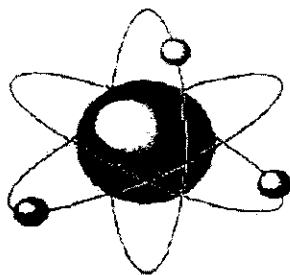


Appendix J

Water Testing and Analysis



WILDER-BARTON ENVIRONMENTAL SERVICES
166 SIERRA GRANDE
BISHOP, CA 93514
(760) 873-8624

October 7, 2004

ANALYSIS FOR ACTUAL MINE
DRAINAGE REQUESTED BY USFS
ON 12-21-2003

Mr. Douglas Feay
California Regional Water Quality Control Board
Lahontan Region - Victorville Branch Office
15428 Civic Drive, Suite 100
Victorville, CA 92392-2359

Dear Douglas,

RE: Brownstone Holdings, LLC NPDES Permit No. R6T-2003-0034-10

Please find enclosed the discharge sampling and analysis requirements for the mine water discharge and receiving waters for NPDES Permit No R6T-2003-0034-10. The report contains the daily, monthly and one time analysis required for the mine water discharge and the daily and monthly requirements for the receiving waters. The CTR Interim Monitoring requirements were submitted to your office in a previous report.

The draining of the mine water was began On August 6, 2004 and was completed on August 21, 2004 at which time the final samples were taken for water quality compliance. (the laboratory results are enclosed)

It is the intent of Brownstone Holdings, LLC , with The Lahontan Water Boards acceptance, to submits this report as a Notice of Termination of Discharge in the belief that Brownstone Holdings, LLC has met all the requirements of the discharge permit.

For additional report information please contact K.M. Wilder, Wilder-Barton Environmental Services (760) 873-8624.

Sincerely,

Kenneth M. Wilder
Laboratory Manager / Chief Chemist
Wilder-Barton Environmental Services

MORGAN ABOVE					
DATE	TURB. NTU	COND. Umho/cm3	Ph UNITS	TEMP. C	TDS mg/L
8/1/04	NO FLOW AS OF THIS DATE				
8/2/04	SAMPLES TAKEN AT ALTERNATE SITES				
8/3/04	IN ACCORDANCE WITH DISCHARGE PERMIT				
8/4/04					
8/5/04					
8/6/04					
8/7/04					
8/8/04					
8/9/04					
8/10/04					
8/11/04					
8/12/04					
8/13/04					
8/14/04					
8/15/04					
8/16/04					
8/17/04					
8/18/04					
8/19/04					
9/20/04					
8/21/04					
8/22/04					
8/23/04					
8/24/04					
8/25/04					
8/26/04					
8/27/04					
8/28/04					
8/29/04					
8/30/04					
8/31/04					
x	x	x	x	x	x

ZERO ADIT DISCHARGE					
DATE	TURB. NTU	COND. Umho/cm3	Ph UNITS	TEMP. F	TDS mg/L
7/29/04	0.05	73.9	7.5	52	59.3
8/2/04					
8/3/04					
8/4/04					
8/5/04					
8/6/04	1.2	83.5	8.00	52	66.9
8/7/04	0.8	75.4	8.00	58	60.5
8/8/04	NS	NS	NS	NS	NS
8/9/04	0.5	83.4	8.00	48	66.9
8/10/04	0.4	78.5	8.00	48	63.0
8/11/04	4.6	89.7	8.00	42	71.9
8/12/04	4.5	105.9	8.00	42	85.0
8/13/04	4.5	106.0	8.00	42	85.1
8/14/04	2.7	77.8	8.00	47	62.4
8/15/04	3.5	81.3	8.00	42	65.2
8/16/04	0.4	78.5	8.00	48	63.0
8/17/04	2.8	77.8	8.00	54	62.4
8/18/04	2.8	78.5	8.00	54	63.0
8/19/04	NS	NS	NS	NS	NS
9/20/04	NS	NS	NS	NS	NS
8/21/04	DISCHARGE COMPLETED TO NATURAL FLOW				
8/22/04					
8/23/04					
8/24/04					
8/25/04					
8/26/04					
8/27/04					
8/28/04					
8/29/04					
8/30/04					
8/31/04					
x	x	x	x	x	x

Date 09-09-04

Sample I.D. Mine Water Discharge

WDID NO. 6B142000003

NOTES	UNITS	CONSTITUENT	RESULTS	METHOD	MDL
	mg/L	Calcium (Ca)		EPA 200.7	
	mg/L	Magnesium (Mg)		EPA 200.7	
	mg/L	Sodium (Na)		EPA 200.7	
	mg/L	Potassium (K)		EPA 200.7	
	mg/L	Carbonate (CO3 =)		EPA 310.1	
	mg/L	Bicarbonate (HCO3)		EPA 310.1	
	mg/l	Sulfate (SO4)		EPA 300.0	
	mg/l	Chloride (Cl)		EPA 300.0	
	mg/L	Total Phosphorus (P)	0.049	EPA 365.4	0.003
	mg/L	Ortho Phosphorus (P)		EPA 365.1	
	mg/L	Flouride (F) temp. depend.		EPA 300.0	
	mg/L	Oxygen (Dissolved)		EPA 360.1	
	mg/L	Nitrate / Nitrite (as N)	0.26	EPA 352.2	0.01
	mg/L	Ammonia (N)	< 0.01	EPA 350.1	0.01
		Kjeldahl (N)	< 0.10	EPA 351.2	0.10
		Total Nitrogen (N)	0.27	EPA 351.2	0.01
	mg/L	Total Alkalinity (as CaCO3)		EPA 310.1	
	mg/L	Total Dissolved Solids (TDS)	60.0	EPA 160.1	4.0
	mg/L	Total Suspended Solids (TSS)	1.3	EPA 160.2	0.1
	mg/L	Total Hardness (as CaCO3)		CALC.	
	units	pH	6.75	EPA 150.1	NA
	uS/cm	Specific Conductance	73.7	EPA 120.1	0.1
	NTU	Turbidity	0.54	EPA 180.1	0.01
	C	Temperature	24.8		0.1
	Ug/L	Aluminum (Al)			
	Ug/L	Antimony (Sb)			
	Ug/L	Arsenic (As)			
	Ug/L	Barium (Ba)			
	Ug/L	Beryllium (Be)			
	Ug/L	Boron (B)			
	Ug/L	Cadmium (Cd)			
	Ug/L	Total Chromium (Cr)			
	Ug/L	Hexavalent Cr (Cr 6+)			
	Ug/L	Copper (Cu)			
	Ug/L	Iron (Fe) Total	0.120	EPA 200.7	0.002
	Ug/L	Lead (Pb)			
	Ug/L	Manganese (Mn)			
	Ug/L	Mercury (Hg)			
	Ug/L	Nickel (Ni)			
	Ug/L	Selenium (Se)			
	Ug/L	Silver (Ag)			
	Ug/L	Thallium (Tl)			
	Ug/L	Zinc (Zn)			


LABORATORY MANAGER



PLEASE COMPLETE
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Page

Report To: Client: Wilder-Barton ENV. Ser.	Project #: 005-04-'3
Attn: K.M. Wilder	Project Name: Pine Creek
Street Address: 186 Sierra Grande	Project Code:
City, State, Zip: Bishop Ca 93514	Sampler(s):
Phone: 760 833 8624 Fax: Saml	Km Wilder
Email Address:	
Submittal #: 04-00502	

Analysis Requested

36892

Comments:

R67-2003-0034-10

Sample #	Description	Date Sampled	Time Sampled
----------	-------------	--------------	--------------

Total 5 of 5 Sides
 TVPH 3108 HPH
 TVPH 3108 HPH
 VOC - 100%
 VOC - 100%

Sample Matrix

Are there any tests with holding time of _____
or equal to 48 hours?

☐ Yes ☒ No

* Standard Turnaround = 10 days

Notes

2 ⁰⁰ ₁₁	MINE WATER Discharge	-1 ⁰⁰ ₁₀	9/9/04	12 ⁰⁵ PM
3	MINE WATER Discharge	2	9/9/04	12 ¹⁰ PM
4	MINE WATER Discharge	-3	9/9/04	12 ¹⁵ PM
5	MINE WATER Discharge	-5	9/9/04	12 ²⁰ PM
6	MINE WATER Discharge	-6	9/9/04	12 ²⁵ PM

-2 Travel Blank

Total metal:
Client: 9/11/14

Billing

☒ Same as above

Report Drinking Waters on State Form?

Sample Disposal

☐ **Return to Client**☐ Disposal by lab☐ Archive: Months

Special Reporting

☐ WIP

Client: _____
Address: _____
City: _____ State _____ Zip _____
Attn: _____
PO#: _____

Send Copy to State of
CA?

☐ Yes ☒ No

1. Relinquished By

2/ Relinquished By

3. Relinquished By

Date	Time
------	------

Date _____ Time _____

Date	Time
------	------

1. Received by

2. Received By

3. Received By: _____

Date _____

Date _____

Date _____

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

> Laboratories, Inc

STON ENVIRONMENTAL
GRANDE
93514
KEN WILDER

Water Analysis (Metals)

Location	PINE CREEK								Receive Date/Time		09/13/2004 @ 10:37			
Sample Depth	---								Sampling Date/Time		09/09/2004 @ 12:30			
Sample Matrix	MINE WATER DISCHARGE								Sample Matrix		Groundwater			
Sample ID	K.M. WILDER								BCL Sample ID		04-09502-1			
Concentration	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
T	< PQL	ug/L	100	5.1	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	50	2.9	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	10	0.83	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	10	0.24	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	10	1.8	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	10	0.17	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	50	1.2	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	10	0.83	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	50	2.6	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T	< PQL	ug/L	0.2	0.050	EPA-7470	09/20/04	09/20/04	15:33	JEE2	CETAC1	1	215-101368	ND	
T _h	80	ug/L	50	2.0	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c	< PQL	ug/L	10	0.37	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c	< PQL	ug/L	100	3.3	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c	< PQL	ug/L	100	2.5	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c	< PQL	ug/L	10	0.93	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c	< PQL	ug/L	50	1.4	EPA-6010	09/15/04	09/16/04	15:05	ARD	PE-OP2	1	385-101471	ND	
T _c Silver	< PQL	ug/L	1	0.0080	EPA-200.8	09/15/04	09/22/04	14:18	TMS	PE-EL1	1	352-101547	ND	

C3 Certification #1186

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B-8

04-09502-1

p.7

7603872086

Doug Hicks

Dec 31 07 12:43p

BCL Laboratories, Inc

REGIONAL ENVIRONMENTAL
GRANDE
CA 93514
Ken Wilder

Water Analysis (General Chemistry)

Project Number	---								Receive Date/Time	09/13/2004 @ 10:37				
Project Name	---								Sampling Date/Time	09/09/2004 @ 12:30				
Sampling Location	PINE CREEK								Sample Depth	---				
Sampling Point	MINE WATER DISCHARGE								Sample Matrix	Groundwater				
Analyst By	K.M. WILDER								BCL Sample ID	04-09502-1				
Chemical	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Sulfide	< PQL	mg/L	0.1	0.050	EPA-376.2	09/14/04	09/14/04	04:30	MRM2	SPEC05	1	241-100590	ND	

Total Sulfide

ISO 9001 Certification #1186

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09/13/2004 10:03:21

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04-09502-1

Certified Analytical Report

➤ **Laboratories, Inc**

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RTON ENVIRONMENTAL
GRANDE
93514
KEN WILDER

Purgeable Aromatics and Total Petroleum Hydrocarbons

Description									Receive Date/Time		09/13/2004 @ 10:37				
									Sampling Date/Time		09/09/2004 @ 12:30				
	PINE CREEK								Sample Depth						
	MINE WATER DISCHARGE								Sample Matrix		Groundwater				
	K.M. WILDER								BCL Sample ID		04-09502-1				
	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quale	
Organics (C4 - C12)	<PQL	ug/L	50	4.0	8015M	08/15/04	09/15/04	15:32	TLF	GC-V4	1	297-100532	ND		
Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quale	
Benzene (8015)	118	%	70-130		8015M	09/15/04	09/15/04	15:32	TLF	GC-V4	1	297-100532			

S Certification #1186

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004 08:55:41

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04-09502-1

7603872086

Doug Hicks

Dec 31 07 12:44p

Certified Analytical Report



Laboratories, Inc

WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

Fuel Identification / Quantitation Summary (EPA Method 8015M)

COC Number	---								Receive Date/Time		09/13/2004 @ 10:37			
Project Number	---								Sampling Date/Time		09/09/2004 @ 12:30			
Sampling Location	PINE CREEK								Sample Depth		---			
Sampling Point	MINE WATER DISCHARGE								Sample Matrix		Groundwater			
Sampled By	K.M. WILDER								BCL Sample ID		04-09502-1			
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Code
Diesel Range Organics (C12 - C24)	< PQL	ug/L	200.	66.	8015M	09/16/04	09/22/04	07:48	MAA	GC-12A	1			
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Code
Tetracosane	108	%	53-124		8015M	09/16/04	09/22/04	07:48	MAA	GC-12A	1			

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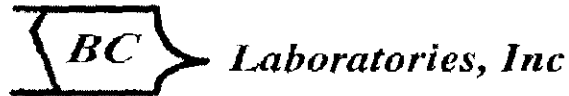
WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

7603872086

Volatile Organic Analysis (EPA Method 624)

COC Number		---										Receive Date/Time		09/13/2004 @ 10:17	
Project Number		---										Sampling Date/Time		09/09/2004 @ 12:30	
Sampling Location		PINE CREEK										Sample Depth		---	
Sampling Point		MINE WATER DISCHARGE										Sample Matrix		Groundwater	
Sampled By		K.M. WILDER										BCL Sample ID		04-09502-1	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MG Bias	Lab	Out
Benzene	< PQL	ug/L	0.5	0.064	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND	BCL	04-09502-1
Bromodichloromethane	< PQL	ug/L	0.5	0.067	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Bromoform	< PQL	ug/L	0.5	0.063	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Bromomethane	< PQL	ug/L	1	0.47	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Carbon tetrachloride	< PQL	ug/L	0.5	0.13	EPA-624	09/16/04	09/16/04	17:48	MGC	MS-V7	1	358-101174	ND		
Chlorobenzene	< PQL	ug/L	0.5	0.083	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Chloroethane	< PQL	ug/L	0.5	0.11	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Chloroform	< PQL	ug/L	0.5	0.096	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Chloromethane	< PQL	ug/L	0.5	0.21	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Dibromochloromethane	< PQL	ug/L	0.5	0.068	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,2-Dichlorobenzene	< PQL	ug/L	0.5	0.081	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,3-Dichlorobenzene	< PQL	ug/L	0.5	0.13	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,4-Dichlorobenzene	< PQL	ug/L	0.5	0.085	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,1-Dichloroethane	< PQL	ug/L	0.5	0.11	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,2-Dichloroethane	< PQL	ug/L	0.5	0.18	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,1-Dichloroethene	< PQL	ug/L	0.5	0.12	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
trans-1,2-Dichloroethene	< PQL	ug/L	0.5	0.13	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,2-Dichloropropane	< PQL	ug/L	0.5	0.18	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
cis-1,3-Dichloropropene	< PQL	ug/L	0.5	0.094	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
trans-1,3-Dichloropropene	< PQL	ug/L	0.5	0.078	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Ethylbenzene	< PQL	ug/L	0.5	0.089	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
Methylene chloride	< PQL	ug/L	1	0.15	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		
1,1,2,2-Tetrachloroethane	< PQL	ug/L	0.5	0.14	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND		

Dec 31 07 12:45p Doug Hicks



Volatile Organic Analysis (EPA Method 624)

Sample Description		PINE CREEK, MINE WATER DISCHARGE, 09/09/2004 @ 12:30, K.M. WILDER											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias
Tetrachloroethene	< PQL	ug/L	0.5	0.069	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Toluene	< PQL	ug/L	0.5	0.15	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
1,1,1-Trichloroethane	< PQL	ug/L	0.5	0.13	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
1,1,2-Trichloroethane	< PQL	ug/L	0.5	0.16	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Trichloroethene	< PQL	ug/L	0.5	0.15	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Trichlorofluoromethane	< PQL	ug/L	0.5	0.15	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	< PQL	ug/L	0.5	0.078	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Vinyl chloride	< PQL	ug/L	0.5	0.17	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Total Xylenes	< PQL	ug/L	1	0.26	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Methyl t-butyl ether	< PQL	ug/L	0.5	0.11	EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	ND
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias
1,2-Dichloroethane-d4	95	%	76-114		EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	
Toluene-d8	101	%	88-110		EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	
4-Bromofluorobenzene	106	%	88-115		EPA-624	09/16/04	09/16/04	17:49	MGC	MS-V7	1	358-101174	

Flag	Explanations
B01	Analyte detected in the Continuing Calibration Blank (CCB) at a level greater than the PQL.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

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PINE CREEK ABOVE					
DATE	TURB. NTU	COND. Umho/cm3	Ph UNITS	TEMP F	TDS mg/L
8/1/04					
8/2/04					
8/3/04					
8/4/04					
8/5/04					
8/6/04	0.5	21.0	8.00	60	16.8
8/7/04	0.5	49.8	8.00	59	40.0
8/8/04	NS	NS	NS	NS	NS
8/9/04	0.5	49.8	8.00	59	40.0
8/10/04	0.6	17.1	8.00	63	13.7
8/11/04	0.6	89.3	8.00	38	71.9
8/12/04	4.2	17.9	8.00	53	14.3
8/13/04	4.2	17.8	8.00	53	14.3
8/14/04	2.7	78.0	8.00	52	62.6
8/15/04	3.9	74.8	8.00	50	60.0
8/16/04	0.6	20.6	8.00	40	16.5
8/17/04	3.1	89.7	8.00	56	72.5
8/18/04	3.0	87.3	8.00	56	70.0
8/19/04	NS	NS	NS	NS	NS
8/20/04	NS	NS	NS	NS	NS
8/21/04	DISCHARGE COMPLETED TO NATURAL FLOW				
8/22/04					
8/23/04					
8/24/04					
8/25/04					
8/26/04					
8/27/04					
8/28/04					
8/29/04					
8/30/04					
8/31/04					
X	X	X	X	X	X

WILDER-BARTON ENVIRONMENTAL SERVICES
Certificate of Analysis

SAMPLED
 Date 09-09-04

Brownstone Holdings, LLC
 Sample I.D. Receiving Water - Pine Creek Above

No. R6T-2003-0034-10
 WDID NO. 6B142000003

NOTES	UNITS	CONSTITUENT	RESULTS	METHOD	MDL
	mg/L	Calcium (Ca)		EPA 200.7	
	mg/L	Magnesium (Mg)		EPA 200.7	
	mg/L	Sodium (Na)		EPA 200.7	
	mg/L	Potassium (K)		EPA 200.7	
	mg/L	Carbonate (CO3 =)		EPA 310.1	
	mg/L	Bicarbonate (HCO3)		EPA 310.1	
	mg/l	Sulfate (SO4)		EPA 300.0	
	mg/l	Chloride (Cl)		EPA 300.0	
	mg/L	Total Phosphorus (P)	0.023	EPA 365.4	0.003
	mg/L	Ortho Phosphorus (P)		EPA 365.1	
	mg/L	Flouride (F) temp. depend.		EPA 300.0	
	mg/L	Oxygen (Dissolved)		EPA 360.1	
	mg/L	Nitrate / Nitrite (as N)	0.15	EPA 352.2	0.01
	mg/L	Ammonia (N)	< 0.01	EPA 350.1	0.01
	mg/L	Kjeldahl (N)	< 0.10	EPA 351.2	0.10
		Total Nitrogen (N)	0.16	EPA 351.2	0.01
	mg/L	Total Alkalinity (as CaCO3)		EPA 310.1	
	mg/L	Total Dissolved Solids (TDS)	32.0	EPA 160.1	4.0
	mg/L	Total Suspended Solids (TSS)	0.6	EPA 160.2	0.1
	mg/L	Total Hardness (as CaCO3)		CALC.	
	units	pH	6.80	EPA 150.1	NA
	uS/cm	Specific Conductance	22.3	EPA 120.1	0.1
	NTU	Turbidity	1.17	EPA 180.1	0.01
	C	Temperature	24.6		0.1
	Ug/L	Aluminum (Al)			
	Ug/L	Antimony (Sb)			
	Ug/L	Arsenic (As)			
	Ug/L	Barium (Ba)			
	Ug/L	Beryllium (Be)			
	Ug/L	Boron (B)			
	Ug/L	Cadmium (Cd)			
	Ug/L	Total Chromium (Cr)			
	Ug/L	Hexavalent Cr (Cr 6+)			
	Ug/L	Copper (Cu)			
	Ug/L	Iron (Fe) Total	0.059	EPA 200.7	0.002
	Ug/L	Lead (Pb)			
	Ug/L	Manganese (Mn)			
	Ug/L	Mercury (Hg)			
	Ug/L	Nickel (Ni)			
	Ug/L	Selenium (Se)			
	Ug/L	Silver (Ag)			
	Ug/L	Thallium (Tl)			
	Ug/L	Zinc (Zn)			

[Signature]
 WILDER-BARTON ENVIRONMENTAL SERVICES

PINE CREEK BELOW [R-3]					
DATE	TURB. NTU	COND. Umho/cm3	Ph UNITS	TEMP. C	TDS mg/L
7/29/04	0.6	69.8	6.55	52	56.0
8/2/04					
8/3/04					
8/4/04					
8/5/04					
8/6/04	1.3	83.4	8.00	58	66.9
8/7/04	1.0	94.8	8.00	59	75.0
8/8/04	NS	NS	NS	NS	NS
8/9/04	0.4	83.3	8.00	53	66.8
8/10/04	0.4	78.5	8.00	38	63.0
8/11/04	3.2	73.6	8.00	38	59.0
8/12/04	4.2	70.2	8.00	42	56.3
8/13/04	4.2	70.0	8.00	42	56.2
8/14/04	3.1	72.3	8.00	40	58.0
8/15/04	4.5	88.4	8.00	52	70.9
8/16/04	0.4	77.3	8.00	40	62.5
8/17/04	0.4	69.0	8.00	58	55.3
8/18/04	0.4	62.8	8.00	58	50.3
8/19/04	NS	NS	NS	NS	NS
9/20/04	NS	NS	NS	NS	NS
8/21/04	DISCHARGE COMPLETED TO NATURAL FLOW				
8/22/04					
8/23/04					
8/24/04					
8/25/04					
8/26/04					
8/27/04					
8/28/04					
8/29/04					
8/30/04					
8/31/04					
x	x	x	x	x	x

WILDER-BARTON ENVIRONMENTAL SERVICES
Certificate of Analysis

SAMPLED
 Date 09-09-04

Brownstone Holdings, LLC
 Sample I.D. Receiving Water - Pine Creek Below

No. R6T-2003-0034-10
 WQID NO. 6B142000003

NOTES	UNITS	CONSTITUENT	RESULTS	METHOD	MDL
	mg/L	Calcium (Ca)		EPA 200.7	
	mg/L	Magnesium (Mg)		EPA 200.7	
	mg/L	Sodium (Na)		EPA 200.7	
	mg/L	Potassium (K)		EPA 200.7	
	mg/L	Carbonate (CO3 =)		EPA 310.1	
	mg/L	Bicarbonate (HCO3)		EPA 310.1	
	mg/l	Sulfate (SO4)		EPA 300.0	
	mg/l	Chloride (Cl)		EPA 300.0	
	mg/L	Total Phosphorus (P)	0.039	EPA 365.4	0.003
	mg/L	Ortho Phosphorus (P)		EPA 365.1	
	mg/L	Flouride (F) temp. depend.		EPA 300.0	
	mg/L	Oxygen (Dissolved)		EPA 360.1	
	mg/L	Nitrate / Nitrite (as N)	0.32	EPA 352.2	0.01
	mg/L	Ammonia (N)	< 0.01	EPA 350.1	0.01
		Kjeldahl (N)	< 0.10	EPA 351.2	0.10
		Total Nitrogen (N)	0.33	EPA 351.2	0.01
	mg/L	Total Alkalinity (as CaCO3)		EPA 310.1	
	mg/L	Total Dissolved Solids (TDS)	60.0	EPA 160.1	4.0
	mg/L	Total Suspended Solids (TSS)	3.6	EPA 160.2	0.1
	mg/L	Total Hardness (as CaCO3)		CALC.	
	units	pH	6.70	EPA 150.1	NA
	uS/cm	Specific Conductance	75.8	EPA 120.1	0.1
	NTU	Turbidity	0.85	EPA 180.1	0.01
	C	Temperature	24.8		0.1
	Ug/L	Aluminum (Al)			
	Ug/L	Antimony (Sb)			
	Ug/L	Arsenic (As)			
	Ug/L	Barium (Ba)			
	Ug/L	Beryllium (Be)			
	Ug/L	Boron (B)			
	Ug/L	Cadmium (Cd)			
	Ug/L	Total Chromium (Cr)			
	Ug/L	Hexavalent Cr (Cr 6+)			
	Ug/L	Copper (Cu)			
	Ug/L	Iron (Fe) Total	0.147	EPA 200.7	0.002
	Ug/L	Lead (Pb)			
	Ug/L	Manganese (Mn)			
	Ug/L	Mercury (Hg)			
	Ug/L	Nickel (Ni)			
	Ug/L	Selenium (Se)			
	Ug/L	Silver (Ag)			
	Ug/L	Thallium (Tl)			
	Ug/L	Zinc (Zn)			

WILDER-BARTON ENVIRONMENTAL SERVICES



Laboratories, Inc.

Chain of Custody Form

PLEASE
RETURN TO

35137

Page

Report To:
Client: Wilder-Barton Env. Project #: 6B141012395
Alt: K.M. Wilder. Project Name: P.C. Development
Street Address: 186 Sierra Grande Project Code: ~
City, State, Zip: Bishop, CA 93514 Sampler(s):
Phone: 760-873-8624 Fax: 760-873-8624 K.M. Wilder
Email Address:
Submital #: 005-04-1 04-01749

Sample #	Description	Date Sampled	Time Sampled
----------	-------------	--------------	--------------

#1	MWD #1	2/17/04	9:20 AM
#2	MWD #1	2/17/04	9:25 AM
#3	MWD #1	2/17/04	9:30 AM
#4	MWD #1	2/17/04	9:35 AM
#5	MWD #1	2/17/04	9:40 AM
#6	MWD #1	2/17/04	9:50 AM
#7	MWD #1 (240 ml v)	2/17/04	10:00 AM
#8	MWD #1 (240 ml v)	2/17/04	10:10 AM

Analysis Requested
INORGANIC - (PES)
MINERALS
EPA 625/8270
EPA 625/8270
EPA 508/8270
EPA 415/8270
8260
8015 GAS
80N Field

Comments:
Run sample
FAST AT

Sample Matrix	Turnaround # of work days	Notes
Soil		
Sludge		
Drinking Water		
Ground Water		
Waste Water		
Other		

CHK BY: 500 DISTRIBUTION
SUB OUT: ☐

SHORT HOLDING
C⁴⁶ NO₂ NO₃ CO
DO BOB MBAS

Billing

☒ Same as above

Report Drinking Waters on State Form?

☐ Yes ☒ No

Send Copy to State of CA?

☐ Yes ☒ No

Sample Disposal

☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

1. Relinquished By

K.M. Wilder.

2. Relinquished By

3. Relinquished By

Date Time

2-17-04 1:30P

Date Time

Date Time

1. Received By

2. Received By

3. Received By

Special Reporting

☐ QC ☐ WIP

Certified Analytical Report



WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

Water Analysis (General Chemistry)

COC Number	---	Receive Date/Time	02/19/2004 @ 11:05
Project Number	---	Sampling Date/Time	02/17/2004 @ 10:10
Sampling Location	P.C. DEVELOPEMENT	Sample Depth	---
Sampling Point	MWD #1	Sample Matrix	Groundwater
Sampled By	K.M. WILDER	BCL Sample ID	04-01749-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias
Calcium	11	mg/L	0.05	0.013	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Magnesium	0.41	mg/L	0.05	0.011	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Sodium	4.7	mg/L	0.5	0.02	EPA-6010	02/20/04	02/24/04	14:13	ARD	PE-OP2	1	385-100968	ND
Potassium	< PQL	mg/L	1	0.033	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Total Cations	0.81	meq/L	0.1	0.1	Calculated								
Hydroxide Alkalinity as CaCO3	< PQL	mg/L	2.5	2.5	EPA-310.1	02/24/04	02/24/04	11:45	JSM	BDB	1	283-101206	ND
Carbonate Alkalinity as CaCO3	< PQL	mg/L	2.5	2.5	EPA-310.1	02/24/04	02/24/04	11:45	JSM	BDB	1	283-101206	ND
Bicarbonate Alkalinity as CaCO3	29	mg/L	2.5	2.5	EPA-310.1	02/24/04	02/24/04	11:45	JSM	BDB	1	283-101206	ND
Sulfate	9.9	mg/L	1	0.096	EPA-300.0	02/19/04	02/19/04	19:40	DPC	IC1	1	268-102678	ND
Chloride	1.0	mg/L	0.5	0.048	EPA-300.0	02/19/04	02/19/04	19:40	DPC	IC1	1	268-102678	ND
Nitrate as N	0.28	mg/L	0.1	0.021	EPA-300.0	02/19/04	02/19/04	19:40	DPC	IC1	1	268-102678	ND
Fluoride	0.38	mg/L	0.05	0.014	EPA-300.0	02/19/04	02/19/04	19:40	DPC	IC1	1	268-102678	ND
Bromide	< PQL	mg/L	0.1	0.03	EPA-300.0	02/19/04	02/19/04	19:40	DPC	IC1	1	268-102678	ND
Total Anions	0.86	meq/L	0.1	0.1	Calculated								
Anion / Cation Balance	3.1	% Error			Calc								
pH	7.81	pH Units	0.05	0.05	EPA-150.1	02/23/04	02/23/04	08:25	JSM	B360	1	257-101731	
Electrical Conductivity @ 25 C	77	umhos/cm	1	1	EPA-120.1	02/23/04	02/23/04	08:15	JSM	CND-3	1	196-101589	
Total Dissolved Solids @ 180 C	59	mg/L	10	4	EPA-160.1	02/23/04	02/23/04	09:30	MV1	MANUAL	0.667	284-102275	ND
Hardness as CaCO3	30	mg/L	0.5		SM-23408								
Total Cyanide	< PQL	mg/L	0.02	0.0083	EPA-335.3	02/25/04	02/26/04	08:00	MRM2	AAI-1	1	216-100855	ND
Nitrite as N	< PQL	ug/L	20	10	EPA-353.2	02/19/04	02/19/04	15:08	PDL	KONE-1	1	390-100344	ND
ortho-Phosphate	< PQL	mg/L	0.05	0.030	EPA-365.1	02/19/04	02/19/04	15:10	PDL	KONE-1	1	394-100290	ND

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BC Laboratories, Inc

Certified Analytical Report

WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

Water Analysis (Metals)

COC Number	---								Receive Date/Time		02/19/2004 @ 1:05		
Project Number	---								Sampling Date/Time		02/17/2004 @ 10:10		
Sampling Location	P.C. DEVELOPEMENT								Sample Depth		---		
Sampling Point	MWD #1								Sample Matrix		Groundwater		
Sampled By	K.M. WILDER								BCL Sample ID		04-01749-1		
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	AC
Dissolved Antimony	< PQL	ug/L	100	3.2	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Dissolved Arsenic	1.1	ug/L	1	0.58	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Beryllium	< PQL	ug/L	1	0.013	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101229	ND
Dissolved Cadmium	< PQL	ug/L	1	0.0083	EPA-200.8	02/20/04	02/23/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Chromium	< PQL	ug/L	3	0.17	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Hexavalent Chromium	< PQL	ug/L	2	1	EPA-7196	02/19/04	02/19/04	15:16	PDL	KONE-1	1	388-100368	ND
Dissolved Copper	< PQL	ug/L	2	0.021	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Iron	< PQL	ug/L	50	5.2	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Dissolved Lead	< PQL	ug/L	1	0.011	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Manganese	< PQL	ug/L	10	0.45	EPA-6010	02/20/04	02/23/04	20:18	ARD	PE-OP2	1	385-100964	ND
Dissolved Mercury	< PQL	ug/L	0.2	0.12	EPA-7470	02/24/04	02/25/04	14:20	PAP	LDC1	1	215-101247	ND
Dissolved Nickel	< PQL	ug/L	2	0.022	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Selenium	< PQL	ug/L	1	0.23	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Silver	< PQL	ug/L	1	0.0052	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Thallium	< PQL	ug/L	1	0.12	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND
Dissolved Zinc	12	ug/L	5	0.32	EPA-200.8	02/20/04	02/25/04	16:58	TMS	PE-EL1	1	352-101231	ND

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BC Laboratories, Inc

Certified Analytical Report

WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

Fuel Identification / Quantitation Summary (EPA Method 8015M)

COC Number		---								Receive Date/Time		02/19/2004 @ 11:00	
Project Number		---								Sampling Date/Time		02/17/2004 @ 10:10	
Sampling Location		P.C. DEVELOPEMENT								Sample Depth		---	
Sampling Point		MWD #1								Sample Matrix		Groundwater	
Sampled By		K.M. WILDER								BCL Sample ID		04-01749-1	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	Lab
Diesel Range Organics (C12 - C24)	< PQL	ug/L	200	66	8015M	02/24/04	02/27/04	04:58	MAA	GC-13A	1		Lab
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	Lab
Tetracosane	95	%	37-137		8015M	02/24/04	02/27/04	04:58	MAA	GC-13A	1		Lab

California DOHS Certification #1186

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Certified Analytical Report



WILDER-BARTON ENVIRONMENTAL

186 SIERRA GRANDE

BISHOP, CA 93514

Attn: KEN WILDER

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---								Receive Date/Time		02/19/2004 @ 11:05			
Project Number	---								Sampling Date/Time		02/17/2004 @ 10:10			
Sampling Location	P.C. DEVELOPEMENT							Sample Depth		---				
Sampling Point	MWD #1							Sample Matrix		Groundwater				
Sampled By	K.M. WILDER							BCL Sample ID		04-01749-1				
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	Pass	Fail
Gasoline Range Organics	< PQL	ug/L	50	4.0	8015M	02/23/04	02/23/04	22:10	TLF	GC-V4	1	297-100496	Pass	Fail
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	Pass	Fail
m, p, a-Trifluorotoluene (8015 Surrogate)	91	%	70-130		8015M	02/23/04	02/23/04	22:10	TLF	GC-V4	1	297-100496	Pass	Fail

California DOHS Certification #1186

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04-01



Certified Analytical Report

p.22

WILCENVIRONMENTAL
186 EDE
BISH
N WILDER

7603872086

Dec 31 07 12:49p Doug Hicks

Organochlorine Pesticides and PCB's (EPA Method 8080)

COC	---	Receive Date/Time	02/19/2004 @ 11:05
Proje	---	Sampling Date/Time	02/17/2004 @ 10:10
Samp	P.C. DEVELOPEMENT	Sample Depth	---
Samp	MWD #1	Sample Matrix	Groundwater
Samp	K.M. WILDER	BCL Sample ID	04-01749-1

Const	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	Mo. Recd	Lab. Recd
Aldrin	< PQL	ug/L	0.006	0.0015	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
alpha-B	< PQL	ug/L	0.006	0.0008	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
beta-BI	< PQL	ug/L	0.006	0.0011	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
delta-BI	< PQL	ug/L	0.006	0.0008	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
gamma	< PQL	ug/L	0.006	0.0009	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Chlorda	< PQL	ug/L	2	0.42	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
4,4'-DD	< PQL	ug/L	0.006	0.0011	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
4,4'-DD	< PQL	ug/L	0.006	0.0009	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
4,4'-DD	< PQL	ug/L	0.006	0.0017	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Dieldrin	< PQL	ug/L	0.006	0.0014	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Endosul	< PQL	ug/L	0.006	0.0011	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Endosul	< PQL	ug/L	0.006	0.0012	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Endosul	< PQL	ug/L	0.006	0.0011	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Endrin	< PQL	ug/L	0.006	0.0015	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Endrin a	< PQL	ug/L	0.02	0.0034	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Heptach	< PQL	ug/L	0.006	0.0006	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Heptach	< PQL	ug/L	0.006	0.0009	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Methoxy	< PQL	ug/L	0.02	0.0009	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Toxaph	< PQL	ug/L	2	0.38	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-10	< PQL	ug/L	0.3	0.024	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-12	< PQL	ug/L	0.3	0.089	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-12	< PQL	ug/L	0.3	0.090	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-12	< PQL	ug/L	0.3	0.095	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			

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04-0174



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Certified Analytical Report

Organochlorine Pesticides and PCB's (EPA Method 8080)

Sample Description		P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	Lab. Code	
PCB-1248	< PQL	ug/L	0.3	0.025	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-1254	< PQL	ug/L	0.3	0.042	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
PCB-1260	< PQL	ug/L	0.3	0.079	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Total PCB's (Summation)	< PQL	ug/L	0.3	0.1	8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	Lab. Code	
TCMX	97	%	63-123		8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			
Dibutyl chlorendate	78	%	66-160		8080	02/23/04	02/25/04	21:53	SAM	GC-1	1.1			

Comments

PQL's and/or MDL's were raised due to inadequate sample size received.

California DOHS Certification #1186

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p.24

WILDER-BARTON ENVIRONMENTAL

186 SIERRA GRANDE

BISHOP, CA 93514

Attn: KEN WILDER

7603872086

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	Receive Date/Time	02/19/2004 @ 11:05
Project Number	---	Sampling Date/Time	02/17/2004 @ 10:00
Sampling Location	P.C. DEVELOPEMENT	Sample Depth	---
Sampling Point	MWD #1	Sample Matrix	Groundwater
Sampled By	K.M. WILDER	BCL Sample ID	04-01749-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	Lab Quals
Benzene	< PQL	ug/L	0.5	0.060	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Bromobenzene	< PQL	ug/L	0.5	0.083	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Bromochloromethane	< PQL	ug/L	0.5	0.024	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Bromodichloromethane	< PQL	ug/L	0.5	0.086	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Bromoform	< PQL	ug/L	0.5	0.062	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Bromomethane	< PQL	ug/L	1	0.35	8280	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
n-Butylbenzene	< PQL	ug/L	0.5	0.067	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
sec-Butylbenzene	< PQL	ug/L	0.5	0.079	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
tert-Butylbenzene	< PQL	ug/L	0.5	0.053	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Carbon tetrachloride	< PQL	ug/L	0.5	0.061	8280	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Chlorobenzene	< PQL	ug/L	0.5	0.084	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Chloroethane	< PQL	ug/L	0.5	0.29	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Chloroform	< PQL	ug/L	0.5	0.19	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Chloromethane	< PQL	ug/L	0.5	0.040	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
2-Chlorotoluene	< PQL	ug/L	0.5	0.081	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
4-Chlorotoluene	< PQL	ug/L	0.5	0.083	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Dibromochloromethane	< PQL	ug/L	0.5	0.12	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
1,2-Dibromo-3-chloropropane	< PQL	ug/L	1	0.42	8280	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
1,2-Dibromoethane	< PQL	ug/L	0.5	0.17	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
Dibromomethane	< PQL	ug/L	0.5	0.060	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
1,2-Dichlorobenzene	< PQL	ug/L	0.5	0.072	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
1,3-Dichlorobenzene	< PQL	ug/L	0.5	0.11	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND
1,4-Dichlorobenzene	< PQL	ug/L	0.5	0.072	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND

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Dec 31 07 12:50p Doug Hicks

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Volatile Organic Analysis (EPA Method 8260)

Sample Description		P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	
Dichlorodifluoromethane	< PQL	ug/L	0.5	0.11	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1-Dichloroethane	< PQL	ug/L	0.5	0.094	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2-Dichloroethane	< PQL	ug/L	0.5	0.088	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1-Dichloroethene	< PQL	ug/L	0.5	0.054	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
cis-1,2-Dichloroethene	< PQL	ug/L	0.5	0.12	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
trans-1,2-Dichloroethene	< PQL	ug/L	0.5	0.081	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2-Dichloropropane	< PQL	ug/L	0.5	0.083	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,3-Dichloropropane	< PQL	ug/L	0.5	0.11	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
2,2-Dichloropropane	< PQL	ug/L	0.5	0.097	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1-Dichloropropene	< PQL	ug/L	0.5	0.073	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
cis-1,3-Dichloropropene	< PQL	ug/L	0.5	0.096	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
trans-1,3-Dichloropropene	< PQL	ug/L	0.5	0.066	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Ethylbenzene	< PQL	ug/L	0.5	0.051	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Hexachlorobutadiene	< PQL	ug/L	0.5	0.088	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Isopropylbenzene	< PQL	ug/L	0.5	0.16	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
p-Isopropyltoluene	< PQL	ug/L	0.5	0.085	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Methylene chloride	< PQL	ug/L	1	0.17	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Naphthalene	< PQL	ug/L	0.5	0.074	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
n-Propylbenzene	< PQL	ug/L	0.5	0.067	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Styrene	< PQL	ug/L	0.5	0.025	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1,1,2-Tetrachloroethane	< PQL	ug/L	0.5	0.088	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1,2,2-Tetrachloroethane	< PQL	ug/L	0.5	0.13	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Tetrachloroethene	< PQL	ug/L	0.5	0.092	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Toluene	< PQL	ug/L	0.5	0.063	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2,3-Trichlorobenzene	< PQL	ug/L	0.5	0.14	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2,4-Trichlorobenzene	< PQL	ug/L	0.5	0.089	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1,1-Trichloroethane	< PQL	ug/L	0.5	0.061	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1,2-Trichloroethane	< PQL	ug/L	0.5	0.12	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Trichloroethene	< PQL	ug/L	0.5	0.070	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
Trichlorofluoromethane	< PQL	ug/L	0.5	0.060	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2,3-Trichloropropane	< PQL	ug/L	1	0.25	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	< PQL	ug/L	0.5	0.13	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,2,4-Trimethylbenzene	< PQL	ug/L	0.5	0.070	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	
1,3,5-Trimethylbenzene	< PQL	ug/L	0.5	0.059	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	ND	

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04-01



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Volatile Organic Analysis (EPA Method 8260)

Sample Description		P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	
Vinyl chloride	< PQL	ug/L	0.5	0.057	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	
Total Xylenes	< PQL	ug/L	1	0.15	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	
Methyl t-butyl ether	< PQL	ug/L	0.5	0.076	8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	
1,2-Dichloroethane-d4	104	%	76-114		8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	
Toluene-d8	99	%	88-110		8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	
4-Bromofluorobenzene	97	%	86-115		8260	02/20/04	02/20/04	19:23	MGC	MS-V5	1	317-100715	

Flag	Explanations
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

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Certified Analytical Report

WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
Attn: KEN WILDER

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

COC Number	---	Receive Date/Time	02/19/2004 @ 11:05
Project Number	---	Sampling Date/Time	02/17/2004 @ 10:10
Sampling Location	P.C. DEVELOPEMENT	Sample Depth	---
Sampling Point	MWD #1	Sample Matrix	Groundwater
Sampled By	K.M. WILDER	BCL Sample ID	04-01749-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias
Acenaphthene	< PQL	ug/L	2	0.24	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Acenaphthylene	< PQL	ug/L	2	0.31	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Aldrin	< PQL	ug/L	2	0.55	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Aniline	< PQL	ug/L	5	0.30	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Anthracene	< PQL	ug/L	2	0.29	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzidine	< PQL	ug/L	20	3.3	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzo[a]anthracene	< PQL	ug/L	2	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzo[b]fluoranthene	< PQL	ug/L	2	0.48	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzo[k]fluoranthene	< PQL	ug/L	2	0.28	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzo[a]pyrene	< PQL	ug/L	2	0.44	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzo[g,h,i]perylene	< PQL	ug/L	2	0.55	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzoic acid	< PQL	ug/L	10	3.5	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzyl alcohol	< PQL	ug/L	2	1.1	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Benzyl butyl phthalate	< PQL	ug/L	2	0.34	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
alpha-BHC	< PQL	ug/L	2	0.37	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
beta-BHC	< PQL	ug/L	2	0.45	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
delta-BHC	< PQL	ug/L	2	0.53	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
gamma-BHC (Lindane)	< PQL	ug/L	2	0.36	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
bis(2-Chloroethyl) ether	< PQL	ug/L	2	0.43	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
bis(2-Chloroethoxy)methane	< PQL	ug/L	2	0.35	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
bis(2-Chloro-1-methylethyl) ether	< PQL	ug/L	2	0.40	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
bis(2-Ethylhexyl)phthalate	< PQL	ug/L	5	0.78	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
4-Bromophenyl phenyl ether	< PQL	ug/L	2	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND

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Laboratories, Inc

Certified Analytical Report

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8)

Sample Description		P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	M/B	
4-Chloroaniline	< PQL	ug/L	2	0.27	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
2-Chloronaphthalene	< PQL	ug/L	2	0.27	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
4-Chlorophenyl phenyl ether	< PQL	ug/L	2	0.38	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Chrysene	< PQL	ug/L	2	0.16	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
4,4'-DDD	< PQL	ug/L	2	0.31	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
4,4'-DDE	< PQL	ug/L	3	0.29	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
4,4'-DDT	< PQL	ug/L	2	0.23	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Dibenzo[a,h]anthracene	< PQL	ug/L	3	0.57	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Dibenzofuran	< PQL	ug/L	2	0.29	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Di-n-butyl phthalate	< PQL	ug/L	2	0.38	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
1,2-Dichlorobenzene	< PQL	ug/L	2	0.35	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
1,3-Dichlorobenzene	< PQL	ug/L	2	0.41	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
1,4-Dichlorobenzene	< PQL	ug/L	2	0.47	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
3,3-Dichlorobenzidine	< PQL	ug/L	10	0.35	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Dieldrin	< PQL	ug/L	3	0.48	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Diethyl phthalate	< PQL	ug/L	2	0.36	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Dimethyl phthalate	< PQL	ug/L	2	0.33	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
2,4-Dinitrotoluene	< PQL	ug/L	2	0.21	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
2,6-Dinitrotoluene	< PQL	ug/L	2	0.45	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Di-n-octyl phthalate	< PQL	ug/L	2	0.77	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
1,2-Diphenylhydrazine	< PQL	ug/L	2	0.30	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Endosulfan I	< PQL	ug/L	10	2.8	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Endosulfan II	< PQL	ug/L	10	2.9	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Endosulfan sulfate	< PQL	ug/L	3	0.76	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Endrin	< PQL	ug/L	2	0.61	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Endrin aldehyde	< PQL	ug/L	10	0.98	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Fluoranthene	< PQL	ug/L	2	0.28	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Fluorene	< PQL	ug/L	2	0.31	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Heptachlor	< PQL	ug/L	2	0.50	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Heptachlor epoxide	< PQL	ug/L	2	0.73	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Hexachlorobenzene	< PQL	ug/L	2	0.50	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Hexachlorobutadiene	< PQL	ug/L	2	0.47	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Hexachlorocyclopentadiene	< PQL	ug/L	2	0.31	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	
Hexachloroethane	< PQL	ug/L	2	0.34	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND	

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Certified Analytical Report

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p.29

7603872086

Doug Hicks

Dec 31 07 12:52p

Base Neutral and Acid Extractables Organic Analysis (EPA Method 821)

Sample Description P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER													
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias
Indeno[1,2,3-cd]pyrene	< PQL	ug/L	2	0.75	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Isophorone	< PQL	ug/L	2	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Methylnaphthalene	< PQL	ug/L	2	0.35	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Naphthalene	< PQL	ug/L	2	0.37	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Naphthylamine	< PQL	ug/L	20	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Nitroaniline	< PQL	ug/L	2	0.29	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
3-Nitroaniline	< PQL	ug/L	2	0.34	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
4-Nitroaniline	< PQL	ug/L	5	0.16	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Nitrobenzene	< PQL	ug/L	2	0.30	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
N-Nitrosodimethylamine	< PQL	ug/L	2	0.27	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
N-Nitrosodiphenylamine	< PQL	ug/L	2	0.33	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
N-Nitrosodi-N-propylamine	< PQL	ug/L	2	0.31	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Phenanthrene	< PQL	ug/L	2	0.28	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Pyrene	< PQL	ug/L	2	0.37	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
1,2,4-Trichlorobenzene	< PQL	ug/L	2	0.43	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
4-Chloro-3-methylphenol	< PQL	ug/L	5	0.38	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Chlorophenol	< PQL	ug/L	2	0.21	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2,4-Dichlorophenol	< PQL	ug/L	2	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2,4-Dimethylphenol	< PQL	ug/L	2	0.32	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2,4-Dinitrophenol	< PQL	ug/L	10	2.8	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Methyl-4,6-dinitrophenol	< PQL	ug/L	10	3.8	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Methylphenol	< PQL	ug/L	2	0.30	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
3- & 4-Methylphenol	< PQL	ug/L	2	0.58	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2-Nitrophenol	< PQL	ug/L	2	0.48	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
4-Nitrophenol	< PQL	ug/L	2	1.7	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Pentachlorophenol	< PQL	ug/L	10	3.9	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Phenol	< PQL	ug/L	2	0.17	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2,4,5-Trichlorophenol	< PQL	ug/L	5	0.38	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
2,4,6-Trichlorophenol	< PQL	ug/L	5	0.33	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	ND
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	
2-Fluorophenol	68	%	21-100		8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	
Phenol-d5	52	%	10-94		8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	
Nitrobenzene-d5	99	%	35-114		8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	

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BC Laboratories, Inc

Certified Analytical Report

Base Neutral and Acid Extractables Organic Analysis (EPA Method 82

Sample Description		P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER										
Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias
2-Fluorobiphenyl	95	%	43-116	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	
2,4,6-Tribromophenol	107	%	10-123	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	
p-Terphenyl-d14	113	%	33-141	8270	02/24/04	02/28/04	21:00	SKC	MS-B2	1.05	290-100646	

Flag	Explanations
C02	The relative standard deviation of the calibration curve response factors exceeds the control limit.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
Q03	Matrix spike recovery is not within the control limits.

California DOHS Certification #1186

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Certified Analytical Report



Laboratories, Inc

WILDER-BARTON ENVIRONMENTAL

186 SIERRA GRANDE

BISHOP, CA 93514

Attn: KEN WILDER

EPA Method 1664

COC Number	---										Receive Date/Time	02/19/2004 @ 11:05			
Project Number	---										Sampling Date/Time	02/17/2004 @ 10:10			
Sampling Location	P.C. DEVELOPEMENT										Sample Depth	---			
Sampling Point	MWD #1										Sample Matrix	Groundwater			
Sampled By	K.M. WILDER										BCL Sample ID	04-01749-1			
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Code	
Oil and Grease	< PQL	mg/L	8	2.2	EPA-1664H EM	02/25/04	02/25/04	09:40	JAK	MANUAL	1.2			A11	

Flag	Explanations
A11	PQL's and/or MDL's were raised due to inadequate sample size received.

California DOHS Certification #1186

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Laboratories, Inc.

Page 1

WILDER-BARTON ENVIRONMENTAL
186 SIERRA GRANDE
BISHOP, CA 93514
ATTN: KEN WILDER 760-873-8624

Date Reported: 03/01/2004
Date Received: 02/19/2004
Laboratory No: 04-01749

Sample Descriptions:

04-01749-1 P.C. DEVELOPEMENT, MWD #1, 02/17/2004 @ 10:10, K.M. WILDER

Asbestos Analysis

Attached are the results from EMSL Analytical, Inc.

Attn: A. Cantoma
 BC Laboratories, Inc.
 4100 Atlas Court
 Bakersfield, CA 93308

Fax: (561) 327-1918

Phone: (561) 327-4911

Project:

Customer ID: BCLA50

Customer PO:

Received: 02/24/04 8:45 AM

EMSL Order: 090400724

EMSL Proj:

Analysis Date: 3/1/2004

Determination of Asbestos Structures over 10um in Length in Drinking Water Performed by the EPA 100.2 Method

Sample ID	Sample Prep Date	# Fibers Asbestos	# Fibers Non-Asbestos	Type(s) Of Asbestos	Analytical Sensitivity (MFL)	Confidence Limits	Concentration Of Asbestos Fibers (MFL)	Comments
04-01749-1 050400724-0001	2/24/04	0	0		0.17	0.00-0.63	<0.17	

Analyst(s)

Derrick Tanner (1)



or other approved signatory

Sample collection and containers provided by the client. Acceptable blank level is defined as <=0.01MFL/10L. NO=none Detected. This report may not be reproduced, except in whole, without the written permission of EMSL Analytical, Inc.



**Weck Laboratories, Inc.**

Environmental and Analytical Services - Since 1964

Report Date: Wednesday, March 17, 2004**Received Date:** Tuesday, March 2, 2004**Received Time:** 4:18 pm**Turnaround Time:** Normal**Client:** BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308**Phone:** (661) 327-4911**FAX:** (661) 327-1918**Attn:** Aileen Cantorna**Project:****P.O.#:****Certificate of Analysis****Work Order No:** 4030245-01
Sampled by: Client**Sample ID:** 04-02051-1
Sampled: 02/25/04 13:45**Matrix:** Water
Sample Note:**Reporting**

Analyte	Result	Qualifier	Units	Limit	Dilution	Method	Prepared	Analyzed	Batch
Tungsten, Dissolved.....	83		ug/l	0.50	1	EPA 200.8	03/05/04	03/06/04	na W403166

MAR 03 2004



Triangle Laboratories, Inc.

Prepared for: BC Laboratories

Reference ID: n/a

Project Summary 62505

Method 8290

Concentrations shown in pg/L

TLI Blank 2621-1-B1

Analytes

Dioxin -

2,3,7,8-TCDD

[4.4] J

< 5.9

Extraction Date	3/17/2004	3/17/2004
Analysis Date	3/22/2004	3/22/2004
Primary Filename	U029301	U029309
Confirm Filename	N/A	N/A
Dilution Filename	N/A	N/A

Data Flag Descriptions:

< Not detected - Sample Specific Detection Limit reached
[J] EMPC Value
B Analyte Detected in Blank

C Value reported from Confirmatory Analysis
D Value reported from Confirmation
E Estimated value - based on detection limits
F Estimated value - based on detection limits

N/A Not Applicable

1 Out of range - reference library
2 Not detected - blank
3 Not detected - blank
X Not detected - blank

summary 1

Printed: 03/23/04 11:05

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1

1576-601

Avocet Tungsten, Inc.
Pine Creek Mine and Surface Waters
Bishop, CA

REPORT DATA EXPLANATION

Discharge Point # 001 – Mine Portal Discharge Water (Discharged into Morgan Creek)
Data for years 1999, 2000 & 2001 (NPDES – CA0102725 & B.O. SMR# 6-94-046
(State) – these permits were rescinded in 2002 and replaced with B.O. SMR# 6-00-93A
and the Mine Water Discharge was no longer analyzed)

Sample Point # R-3 – Receiving Water at the confluence of Morgan Creek and Pine
Creek (approximately 1000 feet down stream from where the mine water discharge goes
into Morgan Creek) The Lahontan Water Board felt that this water was indicative of the
background water of the canyon.

The Water Board's main concerns were the contaminant levels at the Rovana Weir.

Sample Point # R-W Receiving water (Rovana Weir) where the water had to be in
compliance with the established contaminant level based on the " Basin Plan ". These
levels were directly impacted by to inflows in the canyon, Carpenter Springs and
Scheelite Springs, which were a direct result of the waste discharge from the " Milling
Operation " to the tailings ponds (unlined) located in the canyon. The waste discharge
directly impacted the ground water in the canyon that resurfaced at the two above
mentioned springs. In 2002 the water board felt that the mine water discharge was no
longer a threat to the surface water (since the mine was no longer in operation) and did
not require any analytical monitoring on the mine water discharge. Only when the "plug"
was placed in the mine and water backed up, did they feel that it could adversely affect
the surface water. They then required Avocet (Mr. Goodfellow) to drain the mine water
from behind the "plug" and analyze the water that was discharged at that time.

As it stands today B.O. SMR# 6-00-93A will remain in effect until the water board feels
that there is no more danger to the surface waters of the canyon or it is replaced by
another B.O. (Board Order) Which will probably happen if Mr. Goodfellow gets a new
closure plan for the site.

Hope this will help you in your endeavors; If you should have any further questions feel
free to call or e-mail them to me and I can get back to you with the answers.

Best Regards
Ken Wilder
Wilder-Barton, Inc.

TABLE 1
 AVOCET TUNGSTEN, INC.
 MINE DRAINAGE DISCHARGE ANNUAL REPORT
 NPDES POINT DISCHARGE # 001
 SMR# 6-94-046, WDID# 6B142000003, CA0102725
 1999

<u>MONTH</u>	<u>MGD FLOW</u>	<u>NTU TURB.</u>	<u>T.D.S.</u>	<u>SUS.S.</u>	<u>NH3-N</u>	<u>NO3-N</u>	<u>TOT-N</u>	<u>TOT-P</u>
JAN	6.840	2.60	58.0	3.09	<.01	0.23	0.24	0.121
FEB	6.815	2.76	58.0	1.89	<.01	0.22	0.23	0.080
MAR	6.804	2.50	59.0	0.72	<.01	0.19	0.20	0.070
APR	6.862	1.87	58.4	1.98	<.01	0.20	0.21	0.069
MAY	6.883	3.24	63.0	1.00	<.01	0.22	0.23	0.058
JUN	6.912	2.02	85.0	1.79	<.01	0.23	0.24	0.079
JUL	6.948	1.74	63.2	1.73	<.01	0.20	0.21	0.097
AUG	6.876	0.84	67.0	0.96	<.01	0.22	0.23	0.101
SEP	6.854	1.18	60.8	0.78	<.01	0.23	0.24	0.094
OCT	6.833	1.41	62.0	0.70	<.01	0.22	0.23	0.098
NOV	6.825	1.45	63.0	1.41	<.01	0.24	0.25	0.920
DEC	6.796	1.51	63.2	1.06	<.01	0.25	0.26	0.083

<u>MONTH</u>	<u>DIS-O</u>	<u>DIS-AL</u>	<u>NA</u>	<u>CL</u>	<u>SO4</u>	<u>TEMP. C</u>	<u>Ph-min</u>	<u>Ph-max</u>
JAN	8.70	<.10	3.08	0.72	11.8	7.2	6.82	7.79
FEB	8.70	<.10	3.59	0.96	13.2	6.5	6.85	7.45
MAR	8.65	<.10	3.38	0.90	12.4	8.0	6.85	7.42
APR	8.13	<.10	3.18	0.84	12.2	7.0	6.88	7.37
MAY	8.35	<.10	3.14	0.89	11.6	8.0	6.80	7.36
JUN	8.68	<.10	3.81	1.02	14.1	7.5	6.71	7.49
JUL	9.75	<.10	3.66	1.02	13.4	7.5	6.66	7.40
AUG	8.85	<.10	3.48	1.02	12.4	12.0	6.95	7.33
SEPT	8.75	<.10	3.26	0.90	12.2	9.0	6.70	7.24
OCT	8.75	<.10	3.11	0.84	12.4	7.5	6.88	7.41
NOV	8.85	<.10	3.32	0.90	12.8	6.0	6.63	7.41
DEC	8.85	<.10	3.26	0.90	12.6	6.0	6.70	7.40

TABLE 2
 AVOCET TUNGSTEN, INC.
 MINE DRAINAGE DISCHARGE ANNUAL REPORT
 NPDES POINT DISCHARGE # 001
 SMR# 6-94-046, WDID# 6B142000003, CA0102725
 1999

QUARTER	ANNUAL AVERAGES (QUARTERLY)				TRACE METALS (ANNUALLY)	
	<u>SODIUM</u>	<u>CHLORIDE</u>	<u>SULFATE</u>	<u>T.D.S.</u>	DATE	4/29/99
					METAL	PPM
<u>1ST</u>	3.33	0.94	12.4	62.1	Cu	<0.01
					Zn	<0.01
					Cd	<.005
<u>2ND</u>	3.35	0.9	12.5	62.4	B	<0.01
					Se	<.005
					Ba	<0.10
<u>3RD</u>	3.39	0.91	12.5	61.4	Ag	<0.01
					As	<0.01
					Pb	<0.01
<u>4TH</u>	3.35	0.91	12.6	61.7	Mo	<0.05
					Fe	0.03
					F	0.32

TABLE 4
 AVOCET TUNGSTEN, INC.
 RECEIVING WATER ANNUAL REPORT
 SAMPLE POINT R-3
 SMR# 6-94-046, WID# 6B142000003, CA0102725
 1999

<u>MONTH</u>	<u>Ph</u> UNITS	<u>TEMP.</u> C.	<u>TURB.</u> NTU	<u>T.D.S.</u> MG/L	<u>NH3-N</u> MG/L	<u>NO3-N</u> MG/L	<u>TOT-N</u> MG/L	<u>TOT-P</u> MGL
JAN	7.60	4.6	2.9	112.0	<0.01	0.24	0.25	0.084
FEB	7.24	5.5	2.2	140.0	<0.01	0.22	0.23	0.084
MAR	6.70	7.0	2.5	136.0	<0.01	0.24	0.25	0.084
APR	6.67	5.5	1.1	116.0	<0.01	0.32	0.33	0.106
MAY	6.26	6.0	2.1	52.0	<0.01	0.17	0.18	0.045
JUN	6.65	8.0	1.8	32.0	<0.01	0.30	0.31	0.052
JUL	6.69	8.5	2.4	72.0	<0.01	0.21	0.22	0.112
AUG	6.16	10.5	0.8	60.0	<0.01	0.22	0.23	0.093
SEP	6.52	8.0	0.5	68.0	<0.01	0.22	0.23	0.106
OCT	6.71	8.0	0.4	68.0	<0.01	0.22	0.23	0.104
NOV	6.75	5.5	0.9	72.0	<0.01	0.28	0.29	0.104
DEC	6.80	3.5	1.0	72.0	<0.01	0.36	0.37	0.114

<u>MONTH</u>	<u>DIS-O</u> MG/L	<u>NA</u> MG/L	<u>CL</u> MG/L	<u>SO4</u> MG/L	<u>TRACE METALS (ANNUALY)</u>	
					<u>DATE</u>	<u>4/29/99</u>
JAN	10.1	7.18	1.68	27.5	Cd	<.005
FEB	9.4	37.80	2.10	85.3	Al	<0.10
MAR	8.8	36.80	2.04	80.2	Se	<.005
APR	9.1	8.58	1.74	25.2	Cu	<0.01
MAY	9.6	2.91	0.83	10.8	Fe	0.24
JUN	11.1	1.79	<0.50	6.6	Mo	<0.05
JUL	10.4	3.88	1.06	14.2	Zn	<0.01
AUG	9.9	3.07	0.90	10.9	B	<0.01
SEPT	9.0	3.69	1.02	13.8	F	0.67
OCT	8.9	3.77	1.02	15.0	Ag	<0.01
NOV	8.9	3.98	1.08	15.4		
DEC	8.9	3.91	1.08	15.1		

TABLE 5
 AVOCET TUNGSTEN, INC.
 RECEIVING WATER ANNUAL REPORT
 SAMPLE POINT R-W
 SMR# 6-94-046, WDID# 6B142000003, CA0102725
 1999

<u>MONTH</u>	<u>Ph</u> UNITS	<u>TEMP.</u> C.	<u>TURB.</u> NTU	<u>T.D.S.</u> MG/L	<u>NH3-N</u> MG/L	<u>NO3-N</u> MG/L	<u>TOT-N</u> MG/L	<u>TOT-P</u> MGL
JAN	7.34	6.9	2.5	244.0	<0.01	0.34	0.35	0.114
FEB	7.33	7.0	2.3	252.0	<0.01	0.38	0.39	0.123
MAR	6.99	8.0	2.7	260.0	<0.01	0.28	0.29	0.104
APR	6.76	7.0	1.5	208.0	<0.01	0.50	0.51	0.189
MAY	6.23	8.0	3.1	104.0	<0.01	0.27	0.28	0.094
JUN	6.69	8.5	5.0	68.0	<0.01	0.24	0.25	0.094
JUL	6.84	9.0	3.6	164.0	<0.01	0.27	0.28	0.254
AUG	6.20	11.0	1.0	186.0	<0.01	0.35	0.36	0.294
SEP	6.67	9.0	0.5	196.0	<0.01	0.38	0.39	0.195
OCT	7.00	6.5	0.6	188.0	<0.01	0.48	0.49	0.294
NOV	7.00	7.5	1.0	192.0	<0.01	0.48	0.49	0.300
DEC	7.00	5.0	1.0	216.0	<0.01	0.47	0.48	0.313

<u>MONTH</u>	<u>DIS-O</u> MG/L	<u>NA</u> MG/L	<u>CL</u> MG/L	<u>SO4</u> MG/L	<u>TRACE METALS (ANNUALY)</u>	
					<u>DATE</u>	<u>4/30/98</u>
JAN	8.9	66.0	3.66	148.0	Cd	<.005
FEB	8.8	68.1	3.78	153.0	Al	<0.10
MAR	8.3	71.2	3.90	153.0	Se	<.005
APR	8.5	56.2	3.12	106.0	Cu	<0.01
MAY	8.4	28.1	1.66	63.4	Fe	0.44
JUN	9.3	3.8	1.13	16.2	Mo	0.31
JUL	9.4	44.4	2.46	65.9	Zn	<0.01
AUG	8.6	50.8	2.82	75.6	B	<0.01
SEPT	8.6	53.0	2.94	78.7	F	1.21
OCT	8.3	51.5	2.82	75.6	Ag	<0.01
NOV	7.6	51.9	2.88	77.2		
DEC	8.3	59.1	3.24	86.8		

TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2000

		JANUARY		FEBRUARY		MARCH	
		30 D AVG	MAX	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		60.00	3414	60.00	3407	64.00	3630
SET.S.	ml / L	< 0.10	N / A	< 0.10	N / A	< 0.10	N / A
SUS.S.		1.68	92.50	2.18	123.70	1.63	92.50
UI-NH3		<0.01	<0.57	< 0.01	< 0.56	< 0.01	< 0.57
NO3-N		0.24	13.65	0.22	12.49	0.24	13.61
TOT-N		0.25	14.22	0.23	13.06	0.25	14.18
TOT-P		0.094	5.35	0.094	5.34	0.097	5.50
DIS-O	QTRLY	8.65	N / A				
NA	QTRLY	3.27	186.06				
CL	QTRLY	1.20	68.28				
SO4	QTRLY	12.80	728.31				
DIS-AL	QTRLY	< 0.10	N / A				
TEMP.(F)	QTRLY	45.50	N / A				

ANNUAL ANALYSIS

DATE TAKEN:

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TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY

B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2000

		APRIL		MAY		JUNE	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		60.00	3584.28	56.00	3358.21	68.00	4085.76
SET.S.	ml / L	< 0.10	N / A	< 0.10	N / A	< 0.10	N / A
SUS.S.		0.96	57.35	< 1.00	< 60.0	< 1.0	< 60.0
UI-NH3		< 0.01	< 0.60	< 0.01	< 0.60	< 0.01	< 0.60
NO3-N		0.30	17.92	0.27	16.19	0.32	19.22
TOT-N		0.31	18.52	0.28	16.79	0.33	19.82
TOT-P		0.084	5.010	0.087	5.217	0.094	5.648
DIS-O		8.15	N / A				
NA		3.38	201.91				
CL		0.90	53.76				
SO4		12.30	734.78				
DIS-AL		< 0.10	N / A				
TEMP.(F)		46.00	N / A				

ANNUAL ANALYSIS

DATE TAKEN:

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TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2000

		JULY		AUGUST		SEPTEMBER	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		68.00	4119.00	52.00	3121.00	56.00	3345.00
SET.S.	mg / L	< 0.10	N / A	< 0.10	N / A	< 0.01	N / A
SUS.S.		0.66	39.97	1.36	81.63	0.72	43.00
UI-NH3		< 0.01	< 0.60	< 0.01	< 0.60	< 0.01	< 0.60
NO3-N		0.26	15.75	0.28	16.81	0.28	16.72
TOT-N		0.27	16.35	0.29	17.41	0.29	17.32
TOT-P		0.104	6.30	0.075	4.80	0.068	4.06
DIS-O		7.75	N / A				
NA		3.63	219.86	3.13	187.88	3.23	192.92
CL		1.02	61.78	0.78	46.82	0.84	50.17
SO4		13.10	793.44	12.10	726.32	10.80	645.00
DIS-AL		< 0.10	< 6.00	< 0.10	< 6.0	< 0.10	< 6.0
TEMP.(F)		44.60	N / A	46.4	N / A	44.6	N / A

DATE TAKEN:

7/24/00

ANNUAL ANALYSIS

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MG/L	lbs/day
< 0.01	< 0.60
< 0.01	< 0.60
< .005	< 0.30
< 0.05	< 3.03
0.14	8.48
0.39	
< 0.01	
< .005	
< 0.01	
< 0.01	
< 0.10	
< 0.01	

TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2000

	OCTOBER		NOVEMBER		DECEMBER	
	30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
	MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.	60.00	3580.00	56.00	2632.00	56.00	3734.98
SET.S. / mg / L	< 0.10	N / A	< 0.10	N / A	< 0.10	N / A
SUS.S.	1.08	64.40	1.46	68.62	1.56	104.04
UI-NH3	< 0.01	< 0.50	< 0.01	< 0.50	< 0.01	< 0.05
NO3-N	0.21	12.53	0.22	10.34	0.25	16.67
TOT-N	0.22	13.12	0.23	10.81	0.26	17.34
TOT-P	0.055	3.280	0.033	1.550	0.033	2.201
DIS-O	8.15	N / A	9.05	N / A	8.86	N / A
NA	2.71	161.70	3.13	147.12	3.31	220.76
CL	0.90	53.70	0.84	39.48	0.88	58.69
SO4	12.30	733.91	12.20	573.45	12.30	820.36
DIS-AL	< 0.10	< 5.00	< 0.10	< 5.00	< 0.10	< 5.00
TEMP.(F)	46.40	N / A	43.7	N / A	43.7	N / A

NOTE DECEMBER LBS OF DISCHARGE ARE BASED ON AN ESTIMATED MAXIMUM FLOW OF 8.000 MGD

ANNUAL ANALYSIS

DATE TAKEN:

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TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

		JANUARY		FEBRUARY		MARCH	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		56.00	3734.98	68.00	4535.33	64.00	4268.54
SET.S.	mg / L	< 0.10	N / A	< 0.10	N / A	< 0.10	N / A
SUS.S.		2.88	192.08	2.16	144.06	3.10	206.75
UI-NH3		< 0.01	< 0.67	< 0.01	< 0.67	< 0.01	< 0.67
NO3-N		0.26	17.34	0.26	17.34	0.28	18.67
TOT-N		0.27	18.01	0.27	18.01	0.29	19.34
TOT-P		0.058	3.87	0.070	4.67	0.067	4.47
DIS-O		9.15	N / A	*****	N / A	*****	N / A
NA		3.27	218.09	*****	*****	*****	*****
CL		0.84	56.02	*****	*****	*****	*****
SO4		11.70	780.34	*****	*****	*****	*****
DIS-AL		< 0.10	N / A	*****	*****	*****	*****
TEMP.(F)		43.5	N / A	44.0	N / A	44.5	N / A

ANNUAL ANALYSIS

DATE TAKEN:

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TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDI# 6B142000003, NPDES# CA0102725

2001

		APRIL		MAY		JUNE	
		=====		=====		=====	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
		=====		=====		=====	
T.D.S.		76.00	5068.89	56.00	3907.10	60.00	4186.17
SET.S.	mg / L	< 0.10	NA	< 0.10	NA	< 0.10	NA
SUS.S.		6.95	463.53	8.20	572.11	5.00	348.85
UI-NH3		< 0.01	< 0.67	< 0.01	< 0.67	< 0.01	< 0.67
NO3-N		0.39	26.01	0.36	25.12	0.33	23.02
TOT-N		0.40	26.68	0.37	25.81	0.34	23.72
TOT-P		0.055	3.67	0.084	5.86	0.088	6.14
DIS-O		8.15	NA				
NA		3.79	252.78				
CL		1.14	76.03				
SO4		12.80	853.71				
DIS-AL		< 0.10	< 6.67				
TEMP.(F)		42.50	NA				

DATE TAKEN:

ANNUAL ANALYSIS

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TABLE 3
AVOCET TUNGSTEN, INC
MINE DRAINAGE DISCHARGE REPORT
QUARTERLY

B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

		JULY		AUGUST		SEPTEMBER	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		76.00	5068.89	64.00	4268.55	68.00	4535.33
SET.S.	mg / L	< 0.10	N / A	< 0.10	N / A	< 0.01	N / A
SUS.S.		4.60	306.80	2.95	196.75	2.36	157.40
UI-NH3		< 0.01	< 0.67	< 0.01	< 0.67	< 0.01	< 0.67
NO3-N		0.32	21.34	0.35	23.34	0.30	20.00
TOT-N		0.33	22.01	0.36	24.01	0.31	20.67
TOT-P		0.085	5.67	0.068	4.53	0.075	5.00
DIS-O		8.75	N / A				
NA		3.68	245.44				
CL		1.14	76.03				
SO4		13.10	873.72				
DIS-AL		< 0.10	< 6.70				
TEMP.(F)		41.90	N / A				

ANNUAL ANALYSIS

DATE TAKEN: 7/26/01

CU	< 0.01
ZN	< 0.01
CD	< .005
MO	< 0.05
FE	< 0.05
F	0.55
B	< 0.01
SE	< .005
AS	< 0.01
PB	< 0.01
BA	< 0.10
AG	< 0.01

TABLE 3
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

		OCTOBER		NOVEMBER		DECEMBER	
		30 D AVG	MAX.	30 D AVG	MAX	30 D AVG	MAX
		MG/L	LBS/DAY	MG/L	LBS/DAY	MG/L	LBS/DAY
T.D.S.		56.00	3734.98	60.00	4001.76	64.00	4268.55
SET.S.	mg / L	< 0.10	N / A	< 0.10	N / A	< 0.10	N / A
SUS.S.		3.05	203.42	4.70	313.47	2.50	166.74
UI-NH3		< 0.01	< 0.67	< 0.01	< 0.67	< 0.01	< 0.67
NO3-N		0.29	19.34	0.32	21.34	0.29	19.34
TOT-N		0.30	20.00	0.33	22.01	0.30	20.00
TOT-P		0.062	4.13	0.065	4.33	0.072	4.80
DIS-O		8.15	N / A				
NA		1.95	130.06				
CL		0.84	56.02				
SO4		9.50	633.61				
DIS-AL		< 0.10	< 6.67				
TEMP.(F)		43.00	N / A				

ANNUAL ANALYSIS

DATE TAKEN:

CU SEE THIRD QUARTER REPORT
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TABLE 4
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

Surface water

1ST QUARTER

TAKEN 1/25/01 GRABS: (MG/L)	R-1	R-3	R-W	R-G	R-M
pH	7.08	7.21	7.22	FROZEN	7.35
TEMP.(F)	33.00	37.50	45.00		42.60
T.D.S.	40.00	72.00	192.00		60.00
UI-NH3	<0.01	<0.01	<0.01		<0.01
NO3-N	0.21	0.32	0.36		0.26
TOT-N	0.22	0.33	0.37		0.27
TOT-P	0.039	0.075	0.100		0.062
NA	2.32	4.17	51.90		3.48
CL	0.60	1.08	2.88		0.90
SO4	8.30	15.00	79.70		12.50
DIS-O	9.00	8.75	8.35		8.85
TURB. January	0.37	0.89	1.36		0.58
TURB. February					
TURB. March					

ANNUAL ANALYSIS

DATE TAKEN:

Cu
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 Fe
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 Ag
 DIS-Al

TABLE 4
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

Surface Waters

1 2ND QUARTER
 =====

TAKEN 4/20/2001 GRABS: (MG/L)	R-1	R-3	R-W	R-G	R-M
pH	6.80	6.70	6.75	6.80	6.70
TEMP.(F)	37.00	44.00	45.00	41.00	45.50
T.D.S.	32.00	64.00	172.00	68.00	68.00
UI-NH3	<0.01	<0.01	<0.01	<0.01	<0.01
NO3-N	0.14	0.35	0.48	0.13	0.28
TOT-N	0.14	0.36	0.49	0.13	0.29
TOT-P	0.026	0.055	0.163	0.065	0.094
NA	1.80	3.60	46.50	2.52	3.83
CL	<0.50	0.96	2.58	0.85	1.02
SO4	<5.00	13.10	74.90	5.04	13.90
DIS-O	9.25	8.40	8.00	8.80	8.90
TURB. April	0.78	1.21	1.61	0.63	2.06
TURB. May	1.18	1.88	2.96	1.04	3.39
TURB. June					

ANNUAL ANALYSIS
 =====

DATE TAKEN:

Cu
 Zn
 Cd
 B
 Se
 Mo
 Fe
 F
 Ag
 DIS-AI

TABLE 4
AVOCET TUNGSTEN, INC
MINE DRAINAGE DISCHARGE REPORT
QUARTERLY

B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

Surface Waters

I 3RD QUARTER
=====

TAKEN 9/23/2001
GRABS: (MG/L)

	R-1	R-3	R-W	R-G	R-M
pH	7.47	7.31	7.14	7.49	7.67
TEMP.(F)	51.2	48.8	50.6	47.5	47.0
T.D.S.	20.0	57.3	144.0	38.7	58.7
UI-NH3	<0.01	<0.01	<0.01	<0.01	<0.01
NO3-N	0.15	0.26	0.40	0.20	0.26
TOT-N	0.15	0.27	0.41	0.21	0.27
TOT-P	0.026	0.085	0.164	0.053	0.084
NA	1.14	3.32	38.90	2.21	3.05
CL	<0.50	0.88	2.16	0.59	0.88
SO4	<5.00	10.50	62.70	7.88	12.10
DIS-O	10.20	8.60	8.10	9.10	9.50

TURB.	July	1.14	1.27	1.02	0.95	1.56
TURB	AUG.	0.78	0.92	0.91	0.68	0.95
TURB.	SEPT.	0.38	0.41	0.58	0.27	0.90

ANNUAL ANALYSIS
=====

DATE TAKEN: 7/24/1900

Cu	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Zn	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cd	< .005	< .005	< .005	< .005	< .005
B	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Se	< .005	< .005	< .005	< .005	< .005
Mo	< 0.05	< 0.05	0.22	< 0.05	< 0.05
Fe	< 0.10	< 0.10	0.30	< 0.10	< 0.10
F	0.11	0.28	0.83	0.18	0.32
Ag	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIS-AI	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

TABLE 4
 AVOCET TUNGSTEN, INC
 MINE DRAINAGE DISCHARGE REPORT
 QUARTERLY
 B.O.# 6-99-52, WDID# 6B142000003, NPDES# CA0102725

2001

Surface Water

I 4TH QUARTER
 =====

TAKEN 11/30/2001
 GRABS: (MG/L)

	R-1	R-3	R-W	R-G	R-M
pH	7.43	7.18	7.18	7.45	7.67
TEMP.(F)	35.3	40.7	40.7	39.2	42.2
T.D.S.	33.3	61.3	196.0	60.0	53.3
UI-NH3	<0.01	<0.01	<0.01	<0.01	<0.01
NO3-N	0.16	0.29	0.40	0.12	0.25
TOT-N	0.17	0.30	0.41	0.13	0.26
TOT-P	0.025	0.045	0.104	0.055	0.400
NA	1.74	3.28	45.47	3.67	2.97
CL	0.55	0.94	2.46	1.13	0.82
SO4	6.55	13.20	78.00	16.60	12.00
DIS-O	8.35	8.65	8.30	8.85	9.15
TURB. October	1.20	1.18	1.38	0.74	1.07
TURB. November	0.26	0.73	0.80	0.74	0.59
TURB. December	0.88	1.02	1.63	0.74	0.76

ANNUAL ANALYSIS
 =====

DATE TAKEN: 7/24/1900

Cu	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Zn	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cd	< .005	< .005	< .005	< .005	< .005
B	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Se	< .005	< .005	< .005	< .005	< .005
Mo	< 0.05	< 0.05	0.22	< 0.05	< 0.05
Fe	< 0.10	< 0.10	0.30	< 0.10	< 0.10
F	0.11	0.28	0.83	0.18	0.32
Ag	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
DIS-Al	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Pine Creek Water Quality Data
Former Pine Creek Mine 2002 Annual Report
Bishop, CA
Annual Post-Closure Monitoring and Maintenance Report - 2002

	Field Parameters			General Minerals (milligrams per liter)							Metals (milligrams per liter)									
	Turbidity (NTU)	pH	Temperature (degrees F)	Total Dissolved Solids	NH3-N	NO3-N	Total N	Sodium	Sulfate	Chloride	Total Phosphorous	Selenium	Cadmium	Silver	Copper	Iron	Molybdenum	Fluoride	Zinc	Boron
Water Quality Objectives(1)				50	-	0.3	0.9	-	13	3	0.04	-	-	-	-	-	-	-	-	-
R-3 (Pine Creek Road Bridge)																				
Mar-99	--	--	--	136	ND	0.24	0.25	36.8	80.2	2.04	0.084	--	--	--	--	--	--	--	--	--
Apr-99	--	--	--	116	ND	0.32	0.33	6.58	25.2	1.74	0.106	--	--	--	--	--	--	--	--	--
May-99	--	--	--	52	ND	0.17	0.18	2.91	10.8	0.83	0.045	--	--	--	--	--	--	--	--	--
Jun-99	--	--	--	32	ND	0.3	0.31	1.79	6.6	0.25	0.052	--	--	--	--	--	--	--	--	--
Jul-99	--	--	--	72	ND	0.21	0.22	3.88	14.2	1.06	0.112	--	--	--	--	--	--	--	--	--
Aug-99	--	--	--	60	ND	0.22	0.23	3.07	10.9	0.9	0.093	--	--	--	--	--	--	--	--	--
Sep-99	--	--	--	68	ND	0.22	0.23	3.69	13.8	1.02	0.106	--	--	--	--	--	--	--	--	--
Oct-99	--	--	--	68	ND	0.22	0.23	3.77	15	1.02	0.104	--	--	--	--	--	--	--	--	--
Nov-99	--	--	--	72	ND	0.28	0.29	3.98	15.4	1.08	0.104	--	--	--	--	--	--	--	--	--
Dec-99	--	--	--	72	ND	0.36	0.37	3.91	15.1	1.08	0.114	--	--	--	--	--	--	--	--	--
Jan-00	--	--	--	72	ND	0.26	0.27	3.91	15.1	1.08	0.114	--	--	--	--	--	--	--	--	--
Apr-00	--	--	--	64	ND	0.35	0.36	3.6	13.1	0.96	0.055	--	--	--	--	--	--	--	--	--
Jul-00	--	--	--	57.3	ND	0.26	0.27	3.32	10.5	0.88	0.085	--	--	--	--	--	--	--	--	--
Oct-00	--	--	--	61.3	ND	0.29	0.3	3.28	13.2	0.94	0.045	--	--	--	--	--	--	--	--	--
Jan-01	--	--	--	72	ND	0.32	0.33	4.17	15	1.08	0.075	--	--	--	--	--	--	--	--	--
Apr-01	--	--	--	52	ND	0.26	0.27	2.63	9.32	0.93	0.046	--	--	--	--	--	--	--	--	--
Jul-01	--	--	--	72	ND	0.27	0.28	3.49	12.4	0.96	0.078	--	--	--	--	--	--	--	--	--
Oct-01	--	--	--	64	ND	0.3	0.31	2.52	12.9	0.96	0.071	--	--	--	--	--	--	--	--	--
Jan-02	0.13	--	--	60	ND	0.31	0.32	4.55	6.33	0.6	0.065	--	--	--	--	--	--	--	--	--
Apr-02	0.68	6.85	43.0	56	ND	0.27	0.28	3.04	5.8	0.84	0.026	--	--	--	--	--	--	--	--	--
May-02	0.77	6.45	36.0	24	ND	0.2	0.21	2.41	2.49	0.25	0.024	--	--	--	--	--	--	--	--	--
Jun-02	1.04	6.50	60.0	32	ND	0.23	0.24	2.68	3.31	0.25	0.033	--	--	--	--	0.07	ND	0.23	--	ND
Jul-02	0.36	6.65	54.5	56	ND	0.28	0.29	2.7	5.96	1.01	0.033	--	--	--	--	0.1	ND	ND	--	ND
Aug-02	0.84	6.75	52.0	64	ND	0.3	0.31	3.07	6.8	1.02	0.055	--	--	--	--	--	--	--	--	--
Sep-02	0.41	6.75	51.5	56	ND	0.29	0.3	5.65	5.96	1.01	0.059	--	--	--	--	--	--	--	--	--
Oct-02	0.21	6.5	46.0	60	ND	0.28	0.29	4.64	6.68	1.08	0.065	--	--	--	--	0.12	ND	ND	--	ND
Nov-02	0.36	6.65	45.0	60	ND	0.29	0.3	4.71	7.06	1.08	0.049	--	--	--	--	--	--	--	--	--
Dec-02	1.30	7.05	38.5	44	ND	0.27	0.28	5.56	5.26	0.66	0.036	--	--	--	--	--	--	--	--	--

Pine Creek Water Quality Data
Former Pine Creek Mine 2002 Annual Report
Bishop, CA
Annual Post-Closure Monitoring and Maintenance Report - 2002

	Field Parameters			General Minerals (milligrams per liter)							Metals (milligrams per liter)									
	Turbidity (NTU)	pH	Temperature (degrees F)	Total Dissolved Solids	NH3 - N	NO3 - N	Total N	Sodium	Sulfate	Chloride	Total Phosphorous	Selenium	Cadmium	Silver	Copper	Iron	Molybdenum	Fluoride	Zinc	Boron
Water Quality Objectives(1)				200	—	0.5	1.5	—	100	7	0.04	—	—	—	—	—	—	—	—	0.1
R-W (Rovana Weir)																				
Mar-99	--	--	--	260	ND	0.28	0.29	71.2	153	3.9	0.104	--	--	--	--	--	--	--	--	--
Apr-99	--	--	--	208	ND	0.5	0.51	56.2	106	3.12	0.189	--	--	--	--	--	--	--	--	--
May-99	--	--	--	104	ND	0.27	0.28	28.1	63.4	1.66	0.094	--	--	--	--	--	--	--	--	--
Jun-99	--	--	--	68	ND	0.24	0.25	3.8	16.2	1.13	0.094	--	--	--	--	--	--	--	--	--
Jul-99	--	--	--	164	ND	0.27	0.28	44.4	65.9	2.46	0.254	--	--	--	--	--	--	--	--	--
Aug-99	--	--	--	188	ND	0.35	0.36	50.8	75.6	2.82	0.294	--	--	--	--	--	--	--	--	--
Sep-99	--	--	--	196	ND	0.38	0.39	53	78.7	2.94	0.195	--	--	--	--	--	--	--	--	--
Oct-99	--	--	--	188	ND	0.48	0.49	51.5	75.6	2.82	0.294	--	--	--	--	--	--	--	--	--
Nov-99	--	--	--	192	ND	0.48	0.49	51.9	77.2	2.88	0.3	--	--	--	--	--	--	--	--	--
Dec-99	--	--	--	216	ND	0.47	0.48	59.1	86.8	3.24	0.313	--	--	--	--	--	--	--	--	--
Jan-00	--	--	--	216	ND	0.47	0.48	59.1	86.8	3.24	0.293	--	--	--	--	--	--	--	--	--
Apr-00	--	--	--	172	ND	0.48	0.49	46.5	74.9	2.58	0.163	--	--	--	--	--	--	--	--	--
Jul-00	--	--	--	144	ND	0.4	0.41	38.9	62.7	2.16	0.164	--	--	--	--	--	--	--	--	--
Oct-00	--	--	--	196	ND	0.4	0.41	45.47	78	2.46	0.104	--	--	--	--	--	--	--	--	--
Jan-01	--	--	--	192	ND	0.36	0.37	51.9	79.7	2.88	0.1	--	--	--	--	--	--	--	--	--
Apr-01	--	--	--	132	ND	0.3	0.31	35.7	79.6	1.98	0.104	--	--	--	--	--	--	--	--	--
Jul-01	--	--	--	168	ND	0.39	0.4	45.4	67.5	2.58	0.196	--	--	--	--	--	--	--	--	--
Oct-01	--	--	--	184	ND	0.4	0.41	20.5	37	2.76	0.114	--	--	--	--	--	--	--	--	--
Jan-02	0.18	--	--	192	ND	0.4	0.41	35.4	90.1	2.88	0.101	--	--	--	--	--	--	--	--	--
Apr-02	1.23	7.10	45.0	140	ND	0.34	0.35	21.6	45.8	2.1	0.052	--	--	--	--	--	--	--	--	--
May-02	2.65	6.65	39.5	64	ND	0.24	0.25	3.48	6.7	0.96	0.067	--	--	--	--	--	--	--	--	--
Jun-02	1.04	6.50	60.0	104	ND	0.23	0.24	4.27	41.8	1.56	0.117	--	--	--	--	0.22	0.16	0.75	--	ND
Jul-02	0.87	6.85	56.0	120	ND	0.6	0.61	17.7	43.9	2.19	0.78	--	--	--	--	0.25	0.18	0.86	--	ND
Aug-02	0.84	6.75	52.0	156	ND	0.39	0.4	23	55.6	2.84	0.143	--	--	--	--	--	--	--	--	--
Sep-02	0.41	6.75	51.5	172	ND	0.39	0.4	25.3	61.3	3.09	0.156	--	--	--	--	--	--	--	--	--
Oct-02	0.58	6.90	47.0	160	ND	0.33	0.34	16.5	54	2.88	0.147	--	--	--	--	0.23	0.12	1.15	--	ND
Nov-02	0.63	6.85	46.0	160	ND	0.35	0.36	17.7	53.5	3.82	0.196	--	--	--	--	--	--	--	--	--
Dec-02	1.06	7.15	41.0	168	ND	0.36	0.37	21.2	58.1	2.52	0.159	--	--	--	--	--	--	--	--	--

Notes
 (1)= RWQCB 1987 Water Quality Objectives (WQOs) for surface waters of Pine Creek at 1) above the Facility and, 2) downstream at the Los Angeles Department of Water and Power weir at the community of Rovana (sample station R-W).
 -- = Not analyzed or not applicable.
 ND = Not detected above the method reporting limits.
Bold = Bolded concentrations are equal to or greater than the WQOs.

TABLE 1
AVOCET TUNGSTEN, INC.
MONITORING AND REPORTING PROGRAM
ANNUAL REPORT
B.O. # 6-00-93A - WDI# 8B142000001

2003

PERIOD DATE		JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
Sample Site	R-3												
pH	units	7.05	7.35	6.70	8.70	6.60	6.70	6.60	6.70	6.70	6.70	6.40	6.25
Temp - (F)		41.5	41.0	45.5	46.0	47.0	52.0	56.0	54.5	51.5	50.0	46.4	37.0
NH3	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
NO3 - N	mg/L	0.36	0.27	0.21	0.42	0.23	0.12	0.22	0.39	0.47	0.33	0.15	0.29
TOT - N	mg/L	0.37	0.28	0.22	0.43	0.24	0.13	0.23	0.40	0.48	0.34	0.18	0.30
Total - P	mg/L	0.059	0.062	0.065	0.055	0.029	0.003	0.033	0.055	0.075	0.042	0.049	0.049
T.D.S.	mg/L	68.0	72.0	76.0	64.0	36.0	12.0	40.0	68.0	88.0	128.0	76.0	60.0
Na	mg/L	8.59	7.99	2.06	4.19	2.34	1.51	4.45	3.76	4.89	7.12	3.46	4.08
SO4	mg/L	8.13	8.60	14.6	13.1	7.40	2.25	13.8	11.8	15.2	22.1	20.7	12.8
Cl	mg/L	1.22	1.29	1.37	1.15	0.65	< 0.50	0.72	1.23	1.32	2.3	1.36	0.58
B	Qtrly. mg/L	< 0.01			< 0.01			< 0.01			< 0.01		
Fe	Qtrly. mg/l	< 0.02			0.12			< 0.10			0.26		
Mo	Qtrly. mg/L	0.05			< 0.05			< 0.05			0.09		
F	Qtrly. mg/L	0.49			0.46			0.29			0.92		
W	Qtrly. mg/L	n/a			n/a			n/a			n/a		
Turbidity	NTU	3.23	0.96	0.35	0.71	3.54	0.49	0.34	2.37	1.24	0.50	0.53	0.41
Dissolved Oxygen	mg/L	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TABLE #2
AVOCET TUNGSTEN , INC.
MONITORING AND REPORTING PROGRAM
ANNUAL REPORT
B.O. # 6-00-93A - WDID# 6B142000001

2003

PERIOD DATE		JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
Sample Site	R-W												
pH	units	7.15	7.40	7.05	6.75	6.25	6.40	6.65	6.95	6.85	6.90	6.65	6.40
Temp - (F)		47.0	43.5	49.0	45.0	50.5	53.0	57.5	57.2	53.5	53.0	44.6	40.0
NH3	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
NO3 - N	mg/L	0.44	0.40	0.40	0.39	0.26	0.15	0.25	0.37	0.45	0.33	0.20	0.36
TOT - N	mg/L	0.45	0.41	0.41	0.40	0.27	0.16	0.26	0.38	0.46	0.34	0.21	0.37
Total - P	mg/L	0.185	0.186	0.146	0.153	0.039	0.016	0.072	0.130	0.172	0.085	0.108	0.134
T.D.S.	mg/L	204.0	204.0	160.0	166.0	48.0	28.0	80.0	144.0	152.0	244.0	152.0	146.0
Na	mg/L	22.7	22.7	26.0	31.9	9.10	3.53	21.3	36.8	39.9	64.4	40.0	24.5
SO4	mg/L	70.7	70.6	53.7	65.6	18.6	6.88	42.6	77.4	81.4	131	81.5	44.9
Cl	mg/L	3.67	3.67	2.88	3.02	0.86	0.50	1.44	2.61	2.35	4.39	4.1	1.42
B	Qtrly. mg/L	< 0.01			< 0.01			< 0.01			< 0.01		
Fe	Qtrly. mg/l	0.41			0.34			0.18			0.49		
Mo	Qtrly. mg/L	0.15			0.12			0.06			0.1		
F	Qtrly. mg/L	1.47			1.21			0.58			1.75		
W	Qtrly. mg/L	n/a			n/a			n/a			n/a		
Turbidity	NTU	1.34	0.41	0.21	0.36	10.30	0.45	0.58	2.46	0.65	1.44	0.43	0.13
Dissolved Oxygen	mg/L	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

PAGE - 1
 AVOCET TUNGSTEN, INC
 ANNUAL WASTE DISCHARGE REPORT
 MRP# 6-00-93A WDID# 6B142000001

REPORT YEAR 2004

STATION MONTH	R-3 Ph	R-3 NH3	R-3 TDS	R-3 NO3-N	R-3 TOT-N	R-3 TOT-P	R-3 Na	R-3 SO4	R-3 Cl
JAN.	6.30	<0.01	68	0.20	0.21	0.059	3.10	13.6	0.65
FEB.	6.50	<0.01	64	0.15	0.16	0.055	2.91	11.5	0.61
MAR.	6.35	<0.01	60	0.25	0.26	0.049	2.74	10.8	0.58
APR.	6.35	<0.01	60	0.23	0.24	0.055	2.77	10.8	0.58
MAY	6.30	<0.01	40	0.18	0.19	0.036	1.83	7.2	<0.50
JUN.	7.20	<0.01	36	0.21	0.22	0.029	1.64	6.6	<0.50
JULY	6.55	<0.01	52	0.19	0.20	0.045	2.54	10.0	0.54
AUG.	6.55	<0.01	52	0.19	0.20	0.045	2.54	10.0	0.54
SEPT.	6.55	<0.01	52	0.19	0.20	0.045	2.54	10.0	0.54
OCT.	6.70	<0.01	56	0.28	0.29	0.081	2.75	9.6	0.54
NOV.	6.70	<0.01	56	0.28	0.29	0.081	2.75	9.6	0.54
DEC	6.70	<0.01	56	0.28	0.29	0.081	2.75	9.6	0.54

STATION MONTH	R-W Ph	R-W NH3	R-W TDS	R-W NO3-N	R-W TOT-N	R-W TOT-P	R-W Na	R-W SO4	R-W Cl
JAN.	6.60	<0.01	152	0.30	0.31	0.137	40.10	81.5	1.46
FEB.	6.85	<0.01	152	0.25	0.26	0.137	40.00	81.4	1.46
MAR.	6.55	<0.01	112	0.26	0.27	0.098	5.11	20.2	1.07
APR.	6.50	<0.01	100	0.24	0.25	0.094	26.40	53.6	0.96
MAY	6.45	<0.01	64	0.19	0.20	0.055	2.92	11.6	0.61
JUN.	6.85	<0.01	44	0.41	0.42	0.033	2.00	8.0	<0.50
JULY	6.75	<0.01	76	0.15	0.16	0.065	3.46	13.7	0.73
AUG.	6.75	<0.01	76	0.15	0.16	0.065	3.46	13.7	0.73
SEPT.	6.75	<0.01	76	0.15	0.16	0.065	3.46	13.7	0.73
OCT.	6.50	<0.01	112	0.26	0.27	0.036	13.30	39.1	1.07
NOV.	6.50	<0.01	112	0.26	0.27	0.036	13.30	39.1	1.07
DEC	6.50	<0.01	112	0.26	0.27	0.036	13.30	39.1	1.07

AVOCET TUNGSTEN, INC

ANNUAL WASTE DISCHARGE REPORT

MRP# 6-00-93A WDI# 6B142000001

REPORT YEAR , 2004

METALS (QUARTERLY & ANNUAL)

SITE	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3
QUARTER	FE	MO	B	F	W	CD	AL	SE	CU	AG	ZN
1ST	0.12	<0.05	<0.01	0.43	X	X	X	X	X	X	X
2ND	<0.10	<0.05	<0.01	0.29	X	X	X	X	X	X	X
3RD	X	X	X	X	X	X	X	X	X	X	X
4TH	0.05	0.07	<0.01	0.52	0.07	<0.01	<0.10	<0.10	<0.01	<0.01	< 0.05

SITE	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W
QUARTER	FE	MO	B	F	W	CD	AL	SE	CU	AG	ZN
1ST	0.22	0.08	<0.01	0.81	X	X	X	X	X	X	X
2ND	0.13	<0.05	<0.01	0.46	X	X	X	X	X	X	X
3RD	X	X	X	X	X	X	X	X	X	X	X
4TH	0.10	0.25	<0.01	0.95	0.38	<0.01	<0.10	<0.10	<0.01	<0.01	< 0.05

SITE	CS	CS	CS	CS	CS	CS = CARPENTER SPRINGS					
QUARTER	FE	MO	B	F	W						
1ST	0.34	0.13	<0.01	1.24	X						
2ND	0.37	0.14	<0.01	1.32	X						
3RD	0.33	0.12	<0.01	1.18	0.522						
4TH	X	X	X	X	X						

SITE	SS	SS	SS	SS	SS	SS = SCHEELITE SPRINGS					
QUARTER	FE	MO	B	F	W						
3RD	0.19	0.07	<0.01	0.69	0.147						

WELL#	1A	1A	1A	1A	1A						
QUARTER	FE	MO	B	F	W						
1ST	X	X	X	X	X						
2ND	0.37	0.14	<0.01	1.31	X						
3RD	X	X	X	X	X						
4TH	0.08	0.2	<0.01	0.85	0.29						

WELL #	2	2	2	2	2						
QUARTER	FE	MO	B	F	W						
1ST	X	X	X	X	X						
2ND	0.14	0.05	<0.01	0.49	X						
3RD	X	X	X	X	X						
4TH	0.05	0.12	<0.01	0.53	0.18						

WELL #	8	8	8	8	8						
QUARTER	FE	MO	B	F	W						
1ST	X	X	X	X	X						
2ND	X	X	X	X	X						
3RD	X	X	X	X	X						
4TH	X	X	X	X	X						

WELL #	9	9	9	9	9						
QUARTER	FE	MO	B	F	W						
1ST	X	X	X	X	X						
2ND	X	X	X	X	X						
3RD	X	X	X	X	X						
4TH	X	X	X	X	X						

PAGE - 1
 AVOCET TUNGSTEN, INC
 ANNUAL WASTE DISCHARGE REPORT
 MRP# 6-00-93A WDID# 6B142000001

REPORT YEAR 2005

STATION PARAMETER	R-3 Ph	R-3 TDS	R-3 NH3	R-3 NO3-N	R-3 TOT-N	R-3 TOT-P	R-3 Na	R-3 SO4	R-3 Cl
1st Quarter	7.05	48	< 0.01	0.32	0.33	0.143	2.54	8.6	0.46
2nd Quarter	6.50	28	< 0.01	0.13	0.14	0.068	0.78	< 1.0	< 0.50
3rd Quarter	6.70	56	< 0.01	0.32	0.33	0.102	2.10	9.7	0.84
4th Quarter	6.55	60	< 0.01	0.25	0.26	0.085	4.21	10.5	0.90

STATION PARAMETER	R-W Ph	R-W TDS	R-W NH3	R-W NO3-N	R-W TOT-N	R-W TOT-P	R-W Na	R-W SO4	R-W Cl
1st Quarter	7.00	116	< 0.01	0.31	0.32	0.130	12.5	36.4	1.11
2nd Quarter	6.55	40	< 0.01	0.18	0.19	0.042	2.97	11.6	< 0.50
3rd Quarter	6.50	96	< 0.01	0.31	0.32	0.050	9.9	33.4	1.44
4th Quarter	6.45	112	< 0.01	0.32	0.37	0.026	21.1	39.0	1.68

STATION PARAMETER	CS Ph	CS TDS	CS NH3	CS NO3-N	CS TOT-N	CS TOT-P	CS Na	CS SO4	CS Cl
1st Quarter	7.00	168	< 0.01	0.43	0.44	0.117	21.6	52.2	1.61
2nd Quarter	6.80	160	< 0.01	0.41	0.42	0.023	20.8	56.6	2.49
3rd Quarter	6.50	184	< 0.01	0.58	0.59	0.034	20.1	53.1	2.76
4th Quarter	6.95	160	0.10	0.44	0.54	0.091	37.0	47.1	2.40

STATION PARAMETER	SS Ph	SS TDS	SS NHS	SS NO3-N	SS TOT-N	SS TOT-P	SS Na	SS SO4	SS Cl
1st Quarter	NS	X	X	X	X	X	X	X	X
2nd Quarter	NS	X	X	X	X	X	X	X	X
3rd Quarter	6.75	132.00	< 0.01	0.53	0.54	0.07	14.6	34.9	1.98
4th Quarter	NS	X	X	X	X	X	X	X	X

All results are reported in mg/L

CS - Carpenter Springs

SS - Scheelite Springs

NS - No Sample Taken

ANNUAL WASTE DISCHARGE REPORT

REPORT YEAR	2005										
	METALS (QUARTERLY & ANNUAL)										
STATION	R-3 FE	R-3 MO	R-3 B	R-3 F	R-3 W	R-3 CD	R-3 AL	R-3 SE	R-3 CU	R-3 AG	R-3 ZN
1st Quarter	< 0.05	0.08	< 0.01	0.57	0.073	X	X	X	X	X	X
2nd Quarter	0.15	< 0.50	< 0.01	< 0.50	0.043	X	X	X	X	X	X
3rd Quarter	0.30	< 0.50	< 0.01	0.56	0.086	X	X	X	X	X	X
4th Quarter	0.33	< 0.05	< 0.01	0.43	0.060	< 0.01	< 0.05	< 0.01	< 0.05	< 0.01	< 0.05
SITE	R-W FE	R-W MO	R-W B	R-W F	R-W W	R-W CD	R-W AL	R-W SE	R-W CU	R-W AG	R-W ZN
1st Quarter	0.10	0.28	< 0.01	1.06	0.421	X	X	X	X	X	X
2nd Quarter	0.22	< 0.05	< 0.01	< 0.50	0.15	X	X	X	X	X	X
3rd Quarter	0.52	0.07	< 0.01	0.96	0.35	X	X	X	X	X	X
4th Quarter	0.61	0.08	< 0.01	0.81	0.31	< 0.01	< 0.05	< 0.01	< 0.05	< 0.01	< 0.05
SITE	CS FE	CS MO	CS B	CS F	CS W		SS FE	SS MO	SS B	SS F	SS W
1st Quarter	0.15	0.51	< 0.01	1.6	0.875		DRY	X	X	X	X
2nd Quarter	0.88	0.12	< 0.01	1.15	0.834		DRY	X	X	X	X
3rd Quarter	1.00	0.13	< 0.01	1.84	0.667		0.72	0.01	< 0.01	1.26	0.479
4th Quarter	0.88	0.12	< 0.01	1.15	0.605		DRY	X	X	X	X
WELL#	1A FE	1A MO	1A B	1A F	1A W		2 FE	2 MO	2 B	2 F	2 W
ANNUAL	0.74	0.10	< 0.01	0.98	0.21		0.48	0.07	< 0.01	0.63	0.14
WELL #	8 FE	8 MO	8 B	8 F	8 W		9 FE	9 MO	9 B	9 F	9 W
ANNUAL	0.50	0.05	< 0.01	0.69	0.111		DRY	X	X	X	X

CS - Carpenter Springs
SS - Scheelite Springs

PAGE - 1
 AVOCET TUNGSTEN, INC
 ANNUAL WASTE DISCHARGE REPORT
 MRP# 6-00-93A WDID# 6B142000001

REPORT YEAR 2006

STATION PARAMETER	R-3 Ph	R-3 TDS	R-3 NH3	R-3 NO3-N	R-3 TOT-N	R-3 TOT-P	R-3 Na	R-3 SO4	R-3 Cl
1st Quarter	6.90	60	< 0.01	0.29	0.30	0.052	4.02	10.7	0.90
2nd Quarter	7.25	44	< 0.01	0.07	0.07	0.033	0.92	<0.50	<0.10
3rd Quarter	7.03	64	< 0.01	0.17	0.18	0.033	3.20	13.0	0.95
4th Quarter	6.85	68	< 0.01	0.22	0.23	0.033	3.54	10.5	1.06

STATION PARAMETER	R-W Ph	R-W TDS	R-W NH3	R-W NO3-N	R-W TOT-N	R-W TOT-P	R-W Na	R-W SO4	R-W Cl
1st Quarter	7.05	120	< 0.01	0.32	0.33	0.036	7.9	16.1	1.78
2nd Quarter	7.20	60	< 0.01	0.14	0.14	0.049	3.54	5.5	<0.10
3rd Quarter	7.30	108	< 0.01	0.21	0.22	0.052	14.4	34.9	1.61
4th Quarter	7.10	120	< 0.01	0.24	0.25	0.013	16.1	33.6	2.15

STATION PARAMETER	CS Ph	CS TDS	CS NH3	CS NO3-N	CS TOT-N	CS TOT-P	CS Na	CS SO4	CS Cl
1st Quarter	6.85	248	< 0.01	0.48	0.49	0.062	36.4	58.6	3.72
2nd Quarter	NS	NS	NS	NS	NS	NS	NS	NS	NS
3rd Quarter	6.70	144	< 0.01	0.26	0.27	0.068	19.2	46.6	2.14
4th Quarter	6.95	236	0.10	0.47	0.48	0.068	31.6	66.1	3.63

STATION PARAMETER	SS Ph	SS TDS	SS NH3	SS NO3-N	SS TOT-N	SS TOT-P	SS Na	SS SO4	SS Cl
1st Quarter	X	X	X	X	X	X	X	X	X
2nd Quarter	X	X	X	X	X	X	X	X	X
3rd Quarter	6.65	104.00	< 0.01	0.19	0.20	0.04	13.9	33.6	1.55
4th Quarter	X	X	X	X	X	X	X	X	X

All results are reported in mg/L

CS - Carpenter Springs

SS - Seneelite Springs

NS - No Sample Taken Because of High Water

X - No Sample Because of No Flow

ANNUAL WASTE DISCHARGE REPORT
 Discharge Report

REPORT YEAR	2006										
	METALS (QUARTERLY & ANNUAL)										
LOCATION	R-3 FE	R-3 MO	R-3 B	R-3 F	R-3 W	R-3 CD	R-3 AL	R-3 SE	R-3 CU	R-3 AG	R-3 ZN
1st Quarter	0.05	0.08	< 0.01	0.56	0.068	X	X	X	X	X	X
2nd Quarter	0.24	< 0.05	< 0.01	< 0.50	< 0.050	X	X	X	X	X	X
3rd Quarter	0.70	< 0.05	< 0.01	0.93	0.098	X	X	X	X	X	X
4th Quarter	0.51	0.33	< 0.01	0.96	0.062	< .005	< 0.100	< .005	< 0.010	< 0.010	< 0.010
TE	R-W FE	R-W MO	R-W B	R-W F	R-W W	R-W CD	R-W AL	R-W SE	R-W CU	R-W AG	R-W ZN
1st Quarter	0.11	0.27	< 0.01	1.02	0.369	X	X	X	X	X	X
2nd Quarter	0.33	< 0.05	< 0.01	< 0.50	0.217	X	X	X	X	X	X
3rd Quarter	1.15	0.07	< 0.01	1.38	0.391	X	X	X	X	X	X
4th Quarter	0.66	0.46	< 0.01	2.43	0.228	< .005	< 0.100	< .005	< 0.010	< 0.010	< 0.010
SITE	CS FE	CS MO	CS B	CS F	CS W		SS FE	SS MO	SS B	SS F	SS W
1st Quarter	0.22	0.72	< 0.01	2.25	1.043		DRY	X	X	X	X
2nd Quarter	NS	NS	NS	NS	NS		DRY	X	X	X	X
3rd Quarter	1.53	0.11	< 0.01	1.94	0.751		1.12	0.08	< 0.01	1.45	0.542
4th Quarter	1.83	0.59	< 0.01	3.65	0.636		DRY	X	X	X	X
WELL#	1A FE	1A MO	1A B	1A F	1A W		2 FE	2 MO	2 B	2 F	2 W
ANNUAL	0.51	0.14	< 0.01	0.43	< 0.050		0.34	0.13	< 0.01	0.59	< 0.050
WELL #	8 FE	8 MO	8 B	8 F	8 W		9 FE	9 MO	9 B	9 F	9 W
ANNUAL	0.65	< 0.05	< 0.01	0.31	< 0.050		DRY	X	X	X	X

CS - Carpenter Springs

SS - Scheelite Springs

PAGE - 1
 AVOCET TUNGSTEN, INC
 ANNUAL WASTE DISCHARGE REPORT
 MRP# 6-00-93A WDID# 6B142000001

REPORT YEAR 2007

STATION PARAMETER	R-3 Ph	R-3 TDS	R-3 NH3	R-3 NO3-N	R-3 TOT-N	R-3 TOT-P	R-3 Na	R-3 SO4	R-3 Cl
1st Quarter	7.45	64	< 0.01	0.20	0.21	0.029	3.11	9.91	0.95
2nd Quarter	7.30	32	< 0.01	0.13	0.13	0.013	1.79	4.20	0.68
3rd Quarter	6.95	60	< 0.01	0.20	0.21	< 0.100	2.79	9.23	0.89
4th Quarter	6.75	60	< 0.01	0.22	0.23	0.068	3.29	9.43	0.90

STATION PARAMETER	R-W Ph	R-W TDS	R-W NH3	R-W NO3-N	R-W TOT-N	R-W TOT-P	R-W Na	R-W SO4	R-W Cl
1st Quarter	7.30	108	< 0.01	0.24	0.25	< 0.010	13.9	34.1	1.43
2nd Quarter	7.35	56	< 0.01	0.14	0.14	0.033	6.55	18.9	1.03
3rd Quarter	7.20	104	< 0.01	0.21	0.22	< 0.100	13.2	35.7	1.55
4th Quarter	7.10	112	< 0.01	0.25	0.26	0.056	15.6	32.0	1.68

STATION PARAMETER	CS Ph	CS TDS	CS NH3	CS NO3-N	CS TOT-N	CS TOT-P	CS Na	CS SO4	CS Cl
1st Quarter	7.15	240	< 0.01	0.53	0.54	0.078	30.9	74.6	2.38
2nd Quarter	6.80	160	< 0.01	0.39	0.40	0.183	22.4	48.9	5.94
3rd Quarter	7.05	208	< 0.01	0.42	0.43	<0.10	17.8	83.7	3.10
4th Quarter	7.35	220	< 0.01	0.49	0.50	0.145	30.6	59.4	3.30

STATION PARAMETER	SS Ph	SS TDS	SS NHS	SS NO3-N	SS TOT-N	SS TOT-P	SS Na	SS SO4	SS Cl
1st Quarter	X	X	X	X	X	X	X	X	X
2nd Quarter	X	X	X	X	X	X	X	X	X
3rd Quarter	X	X	X	X	X	X	X	X	X
4th Quarter	X	X	X	X	X	X	X	X	X

All results are reported in mg/L

CS - Carpenter Springs

SS - Scheelite Springs

X - DRY - No Sample

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AVOCET TUNGSTEN, INC
ANNUAL WASTE DISCHARGE REPORT
MRP# 6-00-93A W DID# 6B142000001

REPORT YEAR		2007		METALS (ANNUAL)							
STATION	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3	R-3
DATE	B	FE	MO	F	W	CD	AL	SE	CU	AG	ZN
12/26/2007	< 0.10	5.34	0.045	0.86	< 0.05	< .005	< 0.10	< .005	< 0.05	< 0.01	<0.01
STATION	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W	R-W
DATE	B	FE	MO	F	W	CD	AL	SE	CU	AG	ZN
12/26/2007	< 0.10	9.97	0.084	1.61	0.188	< .005	< 0.10	< .005	< 0.05	< 0.01	<0.01
STATION	CS	CS	CS	CS	CS						
DATE	B	FE	MO	F	W						
12/26/2007	< 0.10	19.6	0.165	3.17	0.336						
STATION	SS	SS	SS	SS	SS						
DATE	B	FE	MO	F	W						
12/26/2007	DRY	X	X	X	X						
WELL#	1A	1A	1A	1A	1A						
DATE	B	FE	MO	F	W						
12/26/2007	< 0.10	11.40	0.095	1.84	0.16						
WELL#	2	2	2	2	2						
DATE	B	FE	MO	F	W						
12/26/2007	< 0.10	6.40	0.054	1.04	<0.050						
WELL #	8	8	8	8	8						
DATE	B	FE	MO	F	W						
12/26/2007	DRY	X	X	X	X						
WELL #	9	9	9	9	9						
DATE	B	FE	MO	F	W						
39442.00	DRY	X	X	X	X						

CS - Carpenter Springs

SS - Scheelite Springs

Date of Report: 08/18/2015

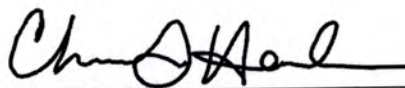
Dave Oldenburg

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

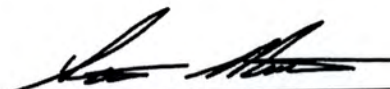
Client Project: Round Valley Water - CRWA Pricing
BCL Project: Drinking Waters
BCL Work Order: 1518323
Invoice ID: B211049

Enclosed are the results of analyses for samples received by the laboratory on 7/28/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Contact Person: Christina Herndon
Client Service Rep



Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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CHAIN OF CUSTODY

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

BC LABORATORIES, INC.

Analysis Requested

Report To:

Name: Dave Oldenburg

Phone:

Address: 2684 Sierra Vista Way

Project: GMPI
Round Valley Water
CRWA

City: Bishop

State: CA

Zip: 93514

Sampler Name:
Dave O.

Attn: Dave Oldenburg

Other:

Lab# Sample Description

Date & Time
Sampled

-1 Sample 1 Bend ~ Easy GO

10:00 AM 7-27-15

-2 Sample 2 Plug ~ Easy GO

10:30 AM 7-27-15

-3 Sample 3 Brownstone

11:15 AM 7-27-15

GMPI

X

X

X

Matrix

(S) Soil

(SL) Sludge

(W) Water

(O) Other

SHORT HOLDING TIME	
Cr+6	NO ₃
DO	Cl ₂
BOD	MBAS
OP	SS
GOT	

DISTRIBUTION	
CHK BY	DATE
MM/	MM/
SUB OUT	

Comment:

Billing Info:

Name: Pine Creek Development

Address: 9050 Pine Creek Rd.

City: Bishop

State: CA

Zip: 93514

Received by: (Signature)

12:28

Relinquished by: (Signature)

Received by: (Signature)

8:07

Relinquished by: (Signature)

Chain of Custody and Cooler Receipt Form for 1518323 Page 2 of 2

BC LABORATORIES INC.				COOLER RECEIPT FORM				Page	Of			
Submission #: <u>15-18323</u>												
SHIPPING INFORMATION Fed Ex ☐ UPS ☐ Ontrac ☒ Hand Delivery ☐ BC Lab Field Service ☐ Other ☐ (Specify) _____				SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____			FREE LIQUID YES ☐ NO ☐					
Refrigerant: Ice ☐ Blue Ice ☒ None ☐ Other ☐ Comments: _____												
Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: _____												
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐												
COC Received YES ☒ NO ☐		Emissivity: <u>0.95</u>		Container: <u>De</u>		Thermometer ID: <u>208</u>		Date/Time: <u>7-28-15</u>				
		Temperature: (A) <u>5.9</u> °C		(C) <u>6.0</u> °C		Analyst Init: <u>JD</u>		8:07				
SAMPLE CONTAINERS			SAMPLE NUMBERS									
			1	2	3	4	5	6	7	8	9	10
QT PE UNPRES			A	A	A							
4oz / 8oz / 16oz PE UNPRES												
2oz Cr ⁶												
QT INORGANIC CHEMICAL METALS												
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz			B	B	B							
PT CYANIDE												
PT NITROGEN FORMS												
PT TOTAL SULFIDE												
2oz. NITRATE / NITRITE												
PT TOTAL ORGANIC CARBON												
PT CHEMICAL OXYGEN DEMAND												
PIA PHENOLICS												
40ml VOA VIAL TRAVEL BLANK												
40ml VOA VIAL												
QT EPA 1664			C	C	C							
PT ODOR												
RADIOLOGICAL												
BACTERIOLOGICAL												
40 ml VOA VIAL- 504												
QT EPA 508/608/8080												
QT EPA 515.1/8150												
QT EPA 525												
QT EPA 525 TRAVEL BLANK												
40ml EPA 547												
40ml EPA 531.1												
8oz EPA 548												
QT EPA 549												
QT EPA 8015M												
QT EPA 8270												
8oz / 16oz / 32oz AMBER												
8oz / 16oz / 32oz JAR												
SOIL SLEEVE												
PCB VIAL												
PLASTIC BAG												
TEDLAR BAG												
FERROUS IRON												
ENCORE												
SMART KIT												
SUMMA CANISTER												

Comments:

Sample Numbering Completed By: AWDate/Time: 7/28/15 0830

Rev 20 07/24/2015

A = Actual / C = Corrected

(S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\ISAMRECrev 20)

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1518323-01	COC Number:	---	Receive Date:	07/28/2015 08:07
	Project Number:	---	Sampling Date:	07/27/2015 10:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Bend - Easy Go	Lab Matrix:	Water
	Sampled By:	Dave Oldenburg	Sample Type:	Drinking Water
1518323-02	COC Number:	---	Receive Date:	07/28/2015 08:07
	Project Number:	---	Sampling Date:	07/27/2015 10:30
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Plug - Easy Go	Lab Matrix:	Water
	Sampled By:	Dave Oldenburg	Sample Type:	Drinking Water
1518323-03	COC Number:	---	Receive Date:	07/28/2015 08:07
	Project Number:	---	Sampling Date:	07/27/2015 11:15
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Brownstone	Lab Matrix:	Water
	Sampled By:	Dave Oldenburg	Sample Type:	Drinking Water



Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-01		Client Sample Name: Bend - Easy Go, 7/27/2015 10:00:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Calcium	7.3	mg/L	0.10	0.014	EPA-200.7	ND		1
Total Recoverable Magnesium	ND	mg/L	0.050	0.019	EPA-200.7	ND		1
Total Recoverable Sodium	12	mg/L	0.50	0.051	EPA-200.7	ND		1
Total Recoverable Potassium	0.22	mg/L	1.0	0.10	EPA-200.7	ND	J	1
Bicarbonate	36	mg/L	5.0	5.0	SM-2320B	ND	Z1	2
Carbonate	ND	mg/L	2.5	2.5	SM-2320B	ND	Z1	2
Hydroxide	ND	mg/L	1.4	1.4	SM-2320B	ND	Z1	2
Alkalinity as CaCO ₃	29	mg/L	4.1	4.1	Calc	ND		3
Chloride	0.82	mg/L	0.50	0.061	EPA-300.0	ND		4
Fluoride	1.3	mg/L	0.050	0.012	EPA-300.0	ND		4
Nitrate as N	0.36	mg/L	0.10	0.018	EPA-300.0	ND		4
Sulfate	7.5	mg/L	1.0	0.10	EPA-300.0	ND		4
Total Cations	0.89	meq/L	0.10	0.10	Calc	ND		3
Total Anions	0.86	meq/L	0.10	0.10	Calc	ND		3
Hardness as CaCO ₃	18	mg/L	0.50	0.10	Calc	ND		3
pH	9.03	pH Units	0.05	0.05	EPA-150.1		S05	5
Electrical Conductivity @ 25 C	78.1	umhos/cm	1.00	1.00	SM-2510B			6
Total Dissolved Solids @ 180 C	48	mg/L	5.0	5.0	SM-2540C	ND		7
Color	1.0	Color Units	1.0	1.0	SM-2120B			8
Odor	No Obs Odor	Odor Units	1.0	1.0	SM-2150B	ND		9
Turbidity	0.35	NT Units	0.10	0.10	EPA-180.1			10
MBAS	ND	mg/L	0.20	0.030	SM-5540C	ND	A07	11
Nitrite as N	ND	ug/L	50	10	EPA-353.2	ND		12

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-01 Client Sample Name: Bend - Easy Go, 7/27/2015 10:00:00AM, Dave Oldenburg

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-200.7	07/29/15	07/30/15 13:20		JRG	PE-OP2	1	BYG2454
2	SM-2320B	08/13/15	08/13/15 14:20		RML	MET-1	1	BYH1058
3	Calc	07/28/15	08/14/15 15:42		MSA	Calc	1	BYG2327
4	EPA-300.0	07/28/15	07/28/15 21:38		TMS	IC5	1	BYG2398
5	EPA-150.1	07/28/15	07/28/15 16:47		RML	MET-1	1	BYG2337
6	SM-2510B	07/28/15	07/28/15 16:47		RML	MET-1	1	BYG2337
7	SM-2540C	07/29/15	07/29/15 11:00		CAD	MANUAL	0.500	BYG2411
8	SM-2120B	07/28/15	07/28/15 11:00		MC1	MANUAL	1	BYG2477
9	SM-2150B	07/28/15	07/28/15 11:00		MC1	MANUAL	1	BYG2691
10	EPA-180.1	07/28/15	07/28/15 11:00		MC1	MANUAL	1	BYG2479
11	SM-5540C	07/29/15	07/29/15 07:30		JMN	MANUAL	2	BYG2394
12	EPA-353.2	07/28/15	07/28/15 11:14		TDC	KONE-1	1	BYG2351

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

BCL Sample ID: 1518323-01		Client Sample Name: Bend - Easy Go, 7/27/2015 10:00:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Aluminum	ND	ug/L	50	26	EPA-200.7	ND		1
Total Recoverable Antimony	ND	ug/L	2.0	0.11	EPA-200.8	ND		2
Total Recoverable Arsenic	1.4	ug/L	2.0	0.70	EPA-200.8	ND	J	2
Total Recoverable Barium	ND	ug/L	10	3.5	EPA-200.7	ND		1
Total Recoverable Beryllium	ND	ug/L	1.0	0.14	EPA-200.8	ND		3
Total Recoverable Cadmium	ND	ug/L	1.0	0.11	EPA-200.8	ND		2
Total Recoverable Chromium	1.5	ug/L	10	1.2	EPA-200.7	1.2	J	1
Total Recoverable Copper	ND	ug/L	10	1.2	EPA-200.7	ND		1
Total Recoverable Iron	ND	ug/L	50	30	EPA-200.7	ND		1
Total Recoverable Lead	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Manganese	ND	ug/L	10	4.0	EPA-200.7	ND		1
Total Recoverable Mercury	0.13	ug/L	0.20	0.066	EPA-200.8	0.12	J	3
Total Recoverable Nickel	ND	ug/L	10	2.3	EPA-200.7	ND		1
Total Recoverable Selenium	0.81	ug/L	2.0	0.19	EPA-200.8	0.73	J	3
Total Recoverable Silver	4.3	ug/L	10	1.3	EPA-200.7	4.9	J	1
Total Recoverable Thallium	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Zinc	2.1	ug/L	50	1.3	EPA-200.7	1.3	J	1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-200.7	07/29/15	07/30/15 13:20		JRG	PE-OP2	1	BYG2454
2	EPA-200.8	08/14/15	08/14/15 21:52		GPD	PE-EL2	1	BYH1300
3	EPA-200.8	08/14/15	08/15/15 23:01		GPD	PE-EL2	1	BYH1300

**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-02		Client Sample Name: Plug - Easy Go, 7/27/2015 10:30:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Calcium	11	mg/L	0.10	0.014	EPA-200.7	ND		1
Total Recoverable Magnesium	0.26	mg/L	0.050	0.019	EPA-200.7	ND		1
Total Recoverable Sodium	4.6	mg/L	0.50	0.051	EPA-200.7	ND		1
Total Recoverable Potassium	0.46	mg/L	1.0	0.10	EPA-200.7	ND	J	1
Bicarbonate	30	mg/L	5.0	5.0	SM-2320B	ND	Z1	2
Carbonate	ND	mg/L	2.5	2.5	SM-2320B	ND	Z1	2
Hydroxide	ND	mg/L	1.4	1.4	SM-2320B	ND	Z1	2
Alkalinity as CaCO ₃	24	mg/L	4.1	4.1	Calc	ND		3
Chloride	1.3	mg/L	0.50	0.061	EPA-300.0	ND		4
Fluoride	0.56	mg/L	0.050	0.012	EPA-300.0	ND		4
Nitrate as N	0.24	mg/L	0.10	0.018	EPA-300.0	ND		4
Sulfate	8.8	mg/L	1.0	0.10	EPA-300.0	ND		4
Total Cations	0.78	meq/L	0.10	0.10	Calc	ND		3
Total Anions	0.75	meq/L	0.10	0.10	Calc	ND		3
Hardness as CaCO ₃	29	mg/L	0.50	0.10	Calc	ND		3
pH	8.09	pH Units	0.05	0.05	EPA-150.1		S05	5
Electrical Conductivity @ 25 C	90.5	umhos/cm	1.00	1.00	SM-2510B			6
Total Dissolved Solids @ 180 C	51	mg/L	5.0	5.0	SM-2540C	ND		7
Color	1.0	Color Units	1.0	1.0	SM-2120B			8
Odor	No Obs Odor	Odor Units	1.0	1.0	SM-2150B	ND		9
Turbidity	0.26	NT Units	0.10	0.10	EPA-180.1			10
MBAS	ND	mg/L	0.10	0.015	SM-5540C	ND		11
Nitrite as N	ND	ug/L	50	10	EPA-353.2	ND		12

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-02		Client Sample Name: Plug - Easy Go, 7/27/2015 10:30:00AM, Dave Oldenburg					
Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.7	07/29/15	07/30/15 13:34	JRG	PE-OP2	1	BYG2454
2	SM-2320B	08/13/15	08/13/15 14:26	RML	MET-1	1	BYH1058
3	Calc	07/28/15	08/14/15 15:42	MSA	Calc	1	BYG2327
4	EPA-300.0	07/28/15	07/28/15 22:50	OLH	IC5	1	BYG2398
5	EPA-150.1	07/28/15	07/28/15 17:00	RML	MET-1	1	BYG2337
6	SM-2510B	07/28/15	07/28/15 17:00	RML	MET-1	1	BYG2337
7	SM-2540C	07/29/15	07/29/15 11:00	CAD	MANUAL	0.500	BYG2411
8	SM-2120B	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2477
9	SM-2150B	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2691
10	EPA-180.1	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2479
11	SM-5540C	07/29/15	07/29/15 07:30	JMN	MANUAL	1	BYG2394
12	EPA-353.2	07/28/15	07/28/15 11:14	TDC	KONE-1	1	BYG2351

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

BCL Sample ID: 1518323-02		Client Sample Name: Plug - Easy Go, 7/27/2015 10:30:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Aluminum	ND	ug/L	50	26	EPA-200.7	ND		1
Total Recoverable Antimony	ND	ug/L	2.0	0.11	EPA-200.8	ND		2
Total Recoverable Arsenic	1.9	ug/L	2.0	0.70	EPA-200.8	ND	J	2
Total Recoverable Barium	3.6	ug/L	10	3.5	EPA-200.7	ND	J	1
Total Recoverable Beryllium	ND	ug/L	1.0	0.14	EPA-200.8	ND		3
Total Recoverable Cadmium	ND	ug/L	1.0	0.11	EPA-200.8	ND		2
Total Recoverable Chromium	ND	ug/L	10	1.2	EPA-200.7	1.2		1
Total Recoverable Copper	ND	ug/L	10	1.2	EPA-200.7	ND		1
Total Recoverable Iron	ND	ug/L	50	30	EPA-200.7	ND		1
Total Recoverable Lead	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Manganese	ND	ug/L	10	4.0	EPA-200.7	ND		1
Total Recoverable Mercury	ND	ug/L	0.20	0.066	EPA-200.8	0.12		3
Total Recoverable Nickel	ND	ug/L	10	2.3	EPA-200.7	ND		1
Total Recoverable Selenium	0.73	ug/L	2.0	0.19	EPA-200.8	0.73	J	3
Total Recoverable Silver	ND	ug/L	10	1.3	EPA-200.7	4.9		1
Total Recoverable Thallium	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Zinc	5.7	ug/L	50	1.3	EPA-200.7	1.3	J	1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-200.7	07/29/15	07/30/15 13:34		JRG	PE-OP2	1	BYG2454
2	EPA-200.8	08/14/15	08/14/15 21:56		GPD	PE-EL2	1	BYH1300
3	EPA-200.8	08/14/15	08/15/15 23:05		GPD	PE-EL2	1	BYH1300



Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-03		Client Sample Name: Brownstone, 7/27/2015 11:15:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Calcium	11	mg/L	0.10	0.014	EPA-200.7	ND		1
Total Recoverable Magnesium	0.26	mg/L	0.050	0.019	EPA-200.7	ND		1
Total Recoverable Sodium	9.7	mg/L	0.50	0.051	EPA-200.7	ND		1
Total Recoverable Potassium	ND	mg/L	1.0	0.10	EPA-200.7	ND		1
Bicarbonate	33	mg/L	5.0	5.0	SM-2320B	ND	Z1	2
Carbonate	ND	mg/L	2.5	2.5	SM-2320B	ND	Z1	2
Hydroxide	ND	mg/L	1.4	1.4	SM-2320B	ND	Z1	2
Alkalinity as CaCO ₃	27	mg/L	4.1	4.1	Calc	ND		3
Chloride	0.74	mg/L	0.50	0.061	EPA-300.0	ND		4
Fluoride	1.3	mg/L	0.050	0.012	EPA-300.0	ND		4
Nitrate as N	0.27	mg/L	0.10	0.018	EPA-300.0	ND		4
Sulfate	15	mg/L	1.0	0.10	EPA-300.0	ND		4
Total Cations	0.98	meq/L	0.10	0.10	Calc	ND		3
Total Anions	0.96	meq/L	0.10	0.10	Calc	ND		3
Hardness as CaCO ₃	28	mg/L	0.50	0.10	Calc	ND		3
pH	8.89	pH Units	0.05	0.05	EPA-150.1		S05	5
Electrical Conductivity @ 25 C	91.4	umhos/cm	1.00	1.00	SM-2510B			6
Total Dissolved Solids @ 180 C	56	mg/L	5.0	5.0	SM-2540C	ND		7
Color	1.0	Color Units	1.0	1.0	SM-2120B			8
Odor	No Obs Odor	Odor Units	1.0	1.0	SM-2150B	ND		9
Turbidity	0.18	NT Units	0.10	0.10	EPA-180.1			10
MBAS	ND	mg/L	0.10	0.015	SM-5540C	ND		11
Nitrite as N	ND	ug/L	50	10	EPA-353.2	ND		12

Dave Oldenburg
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Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

BCL Sample ID: 1518323-03		Client Sample Name: Brownstone, 7/27/2015 11:15:00AM, Dave Oldenburg					
Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.7	07/29/15	07/30/15 12:20	JRG	PE-OP2	1	BYG2458
2	SM-2320B	08/13/15	08/13/15 14:31	RML	MET-1	1	BYH1058
3	Calc	07/28/15	08/14/15 15:42	MSA	Calc	1	BYG2327
4	EPA-300.0	07/28/15	07/28/15 23:43	OLH	IC5	1	BYG2398
5	EPA-150.1	07/28/15	07/28/15 17:05	RML	MET-1	1	BYG2337
6	SM-2510B	07/28/15	07/28/15 17:05	RML	MET-1	1	BYG2337
7	SM-2540C	07/29/15	07/29/15 11:00	CAD	MANUAL	0.500	BYG2411
8	SM-2120B	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2477
9	SM-2150B	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2691
10	EPA-180.1	07/28/15	07/28/15 11:00	MC1	MANUAL	1	BYG2479
11	SM-5540C	07/29/15	07/29/15 07:30	JMN	MANUAL	1	BYG2394
12	EPA-353.2	07/28/15	07/28/15 11:14	TDC	KONE-1	1	BYG2351

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

BCL Sample ID: 1518323-03		Client Sample Name: Brownstone, 7/27/2015 11:15:00AM, Dave Oldenburg						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Recoverable Aluminum	26	ug/L	50	26	EPA-200.7	ND	J	1
Total Recoverable Antimony	ND	ug/L	2.0	0.11	EPA-200.8	ND		2
Total Recoverable Arsenic	1.6	ug/L	2.0	0.70	EPA-200.8	ND	J	2
Total Recoverable Barium	ND	ug/L	10	3.5	EPA-200.7	ND		1
Total Recoverable Beryllium	ND	ug/L	1.0	0.14	EPA-200.8	ND		3
Total Recoverable Cadmium	ND	ug/L	1.0	0.11	EPA-200.8	ND		2
Total Recoverable Chromium	ND	ug/L	10	1.2	EPA-200.7	ND		1
Total Recoverable Copper	ND	ug/L	10	1.2	EPA-200.7	ND		1
Total Recoverable Iron	ND	ug/L	50	30	EPA-200.7	ND		1
Total Recoverable Lead	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Manganese	ND	ug/L	10	4.0	EPA-200.7	ND		1
Total Recoverable Mercury	0.10	ug/L	0.20	0.066	EPA-200.8	0.12	J	3
Total Recoverable Nickel	ND	ug/L	10	2.3	EPA-200.7	ND		1
Total Recoverable Selenium	ND	ug/L	2.0	0.19	EPA-200.8	0.73		3
Total Recoverable Silver	ND	ug/L	10	1.3	EPA-200.7	ND		1
Total Recoverable Thallium	ND	ug/L	1.0	0.10	EPA-200.8	ND		2
Total Recoverable Zinc	1.5	ug/L	50	1.3	EPA-200.7	ND	J	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.7	07/29/15	07/30/15 12:20	JRG	PE-OP2	1	BYG2458
2	EPA-200.8	08/14/15	08/14/15 21:59	GPD	PE-EL2	1	BYH1300
3	EPA-200.8	08/14/15	08/15/15 23:08	GPD	PE-EL2	1	BYH1300

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYG2327						
Alkalinity as CaCO ₃	BYG2327-BLK1	ND	mg/L	4.1	4.1	
Total Cations	BYG2327-BLK1	ND	meq/L	0.10	0.10	
Total Anions	BYG2327-BLK1	ND	meq/L	0.10	0.10	
Hardness as CaCO ₃	BYG2327-BLK1	ND	mg/L	0.50	0.10	
QC Batch ID: BYG2351						
Nitrite as N	BYG2351-BLK1	ND	ug/L	50	10	
QC Batch ID: BYG2394						
MBAS	BYG2394-BLK1	ND	mg/L	0.10	0.015	
QC Batch ID: BYG2398						
Chloride	BYG2398-BLK1	ND	mg/L	0.50	0.061	
Fluoride	BYG2398-BLK1	ND	mg/L	0.050	0.012	
Nitrate as N	BYG2398-BLK1	ND	mg/L	0.10	0.018	
Sulfate	BYG2398-BLK1	ND	mg/L	1.0	0.10	
QC Batch ID: BYG2411						
Total Dissolved Solids @ 180 C	BYG2411-BLK1	ND	mg/L	6.7	6.7	
QC Batch ID: BYG2454						
Total Recoverable Calcium	BYG2454-BLK1	ND	mg/L	0.10	0.014	
Total Recoverable Magnesium	BYG2454-BLK1	ND	mg/L	0.050	0.019	
Total Recoverable Sodium	BYG2454-BLK1	ND	mg/L	0.50	0.051	
Total Recoverable Potassium	BYG2454-BLK1	ND	mg/L	1.0	0.10	
QC Batch ID: BYG2458						
Total Recoverable Calcium	BYG2458-BLK1	ND	mg/L	0.10	0.014	
Total Recoverable Magnesium	BYG2458-BLK1	ND	mg/L	0.050	0.019	
Total Recoverable Sodium	BYG2458-BLK1	ND	mg/L	0.50	0.051	
Total Recoverable Potassium	BYG2458-BLK1	ND	mg/L	1.0	0.10	
QC Batch ID: BYG2691						
Odor	BYG2691-BLK1	ND	Odor Units	1.0	1.0	
QC Batch ID: BYH1058						
Bicarbonate	BYH1058-BLK1	ND	mg/L	5.0	5.0	
Carbonate	BYH1058-BLK1	ND	mg/L	2.5	2.5	
Hydroxide	BYH1058-BLK1	ND	mg/L	1.4	1.4	

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BYG2337										
pH	BYG2337-BS2	LCS	3.9800	4.0000	pH Units	99.5		95 - 105		
Electrical Conductivity @ 25 C	BYG2337-BS1	LCS	316.40	303.00	umhos/cm	104		90 - 110		
QC Batch ID: BYG2351										
Nitrite as N	BYG2351-BS1	LCS	486.09	500.00	ug/L	97.2		90 - 110		
QC Batch ID: BYG2394										
MBAS	BYG2394-BS1	LCS	0.21620	0.20000	mg/L	108		85 - 115		
QC Batch ID: BYG2398										
Chloride	BYG2398-BS1	LCS	52.783	50.000	mg/L	106		90 - 110		
Fluoride	BYG2398-BS1	LCS	0.97300	1.0000	mg/L	97.3		90 - 110		
Nitrate as N	BYG2398-BS1	LCS	5.2650	5.0000	mg/L	105		90 - 110		
Sulfate	BYG2398-BS1	LCS	104.65	100.00	mg/L	105		90 - 110		
QC Batch ID: BYG2411										
Total Dissolved Solids @ 180 C	BYG2411-BS1	LCS	575.00	586.00	mg/L	98.1		90 - 110		
QC Batch ID: BYG2454										
Total Recoverable Calcium	BYG2454-BS1	LCS	10.144	10.000	mg/L	101		85 - 115		
Total Recoverable Magnesium	BYG2454-BS1	LCS	10.271	10.000	mg/L	103		85 - 115		
Total Recoverable Sodium	BYG2454-BS1	LCS	9.8635	10.000	mg/L	98.6		85 - 115		
Total Recoverable Potassium	BYG2454-BS1	LCS	9.6079	10.000	mg/L	96.1		85 - 115		
QC Batch ID: BYG2458										
Total Recoverable Calcium	BYG2458-BS1	LCS	10.094	10.000	mg/L	101		85 - 115		
Total Recoverable Magnesium	BYG2458-BS1	LCS	10.183	10.000	mg/L	102		85 - 115		
Total Recoverable Sodium	BYG2458-BS1	LCS	9.8929	10.000	mg/L	98.9		85 - 115		
Total Recoverable Potassium	BYG2458-BS1	LCS	9.5806	10.000	mg/L	95.8		85 - 115		

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2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Control Limits											
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BYG2337		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00									
pH	DUP	1518323-01	9.0300	9.1500		pH Units	1.3		20		
Electrical Conductivity @ 25 C	DUP	1518323-01	78.100	79.300		umhos/cm	1.5		10		
QC Batch ID: BYG2351		Used client sample: N									
Nitrite as N	DUP	1518313-02	21.083	20.940		ug/L	0.7		10		J
	MS	1518313-02	21.083	537.02	526.32	ug/L		98.0		90 - 110	
	MSD	1518313-02	21.083	538.17	526.32	ug/L	0.2	98.2	10	90 - 110	
QC Batch ID: BYG2394		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00									
MBAS	DUP	1518323-01	ND	ND		mg/L			20		
	MS	1518323-01	ND	0.44260	0.40000	mg/L		111		80 - 120	
	MSD	1518323-01	ND	0.44260	0.40000	mg/L	0	111	20	80 - 120	
QC Batch ID: BYG2398		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00									
Chloride	DUP	1518323-01	0.81500	0.81100		mg/L	0.5		10		
	MS	1518323-01	0.81500	54.412	50.505	mg/L		106		80 - 120	
	MSD	1518323-01	0.81500	54.626	50.505	mg/L	0.4	107	10	80 - 120	
Fluoride	DUP	1518323-01	1.2790	1.2840		mg/L	0.4		10		
	MS	1518323-01	1.2790	2.3404	1.0101	mg/L		105		80 - 120	
	MSD	1518323-01	1.2790	2.3364	1.0101	mg/L	0.2	105	10	80 - 120	
Nitrate as N	DUP	1518323-01	0.35900	0.35700		mg/L	0.6		10		
	MS	1518323-01	0.35900	5.6899	5.0505	mg/L		106		80 - 120	
	MSD	1518323-01	0.35900	5.7000	5.0505	mg/L	0.2	106	10	80 - 120	
Sulfate	DUP	1518323-01	7.4640	7.4820		mg/L	0.2		10		
	MS	1518323-01	7.4640	114.46	101.01	mg/L		106		80 - 120	
	MSD	1518323-01	7.4640	115.01	101.01	mg/L	0.5	106	10	80 - 120	
QC Batch ID: BYG2411		Used client sample: N									
Total Dissolved Solids @ 180 C	DUP	1518370-01	1650.0	1670.0		mg/L	1.2		10		
QC Batch ID: BYG2454		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00									
Total Recoverable Calcium	DUP	1518323-01	7.2612	6.9594		mg/L	4.2		20		
	MS	1518323-01	7.2612	17.549	10.000	mg/L		103		75 - 125	
	MSD	1518323-01	7.2612	17.713	10.000	mg/L	0.9	105	20	75 - 125	
Total Recoverable Magnesium	DUP	1518323-01	ND	0.020856		mg/L			20		J
	MS	1518323-01	ND	11.115	10.000	mg/L		111		75 - 125	
	MSD	1518323-01	ND	11.018	10.000	mg/L	0.9	110	20	75 - 125	
Total Recoverable Sodium	DUP	1518323-01	12.084	11.600		mg/L	4.1		20		
	MS	1518323-01	12.084	21.595	10.000	mg/L		95.1		75 - 125	
	MSD	1518323-01	12.084	22.009	10.000	mg/L	1.9	99.2	20	75 - 125	

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

<u>Control Limits</u>											
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BYG2454		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00									
Total Recoverable Potassium	DUP	1518323-01	0.21851	0.18830		mg/L	14.9		20		J
	MS	1518323-01	0.21851	10.646	10.000	mg/L		104		75 - 125	
	MSD	1518323-01	0.21851	10.515	10.000	mg/L	1.2	103	20	75 - 125	
QC Batch ID: BYG2458		Used client sample: Y - Description: Brownstone, 07/27/2015 11:15									
Total Recoverable Calcium	DUP	1518323-03	10.743	10.866		mg/L	1.1		20		
	MS	1518323-03	10.743	20.876	10.000	mg/L		101		75 - 125	
	MSD	1518323-03	10.743	21.105	10.000	mg/L	1.1	104	20	75 - 125	
Total Recoverable Magnesium	DUP	1518323-03	0.25888	0.26504		mg/L	2.4		20		
	MS	1518323-03	0.25888	11.288	10.000	mg/L		110		75 - 125	
	MSD	1518323-03	0.25888	11.284	10.000	mg/L	0.0	110	20	75 - 125	
Total Recoverable Sodium	DUP	1518323-03	9.7470	9.8473		mg/L	1.0		20		
	MS	1518323-03	9.7470	19.714	10.000	mg/L		99.7		75 - 125	
	MSD	1518323-03	9.7470	19.905	10.000	mg/L	1.0	102	20	75 - 125	
Total Recoverable Potassium	DUP	1518323-03	ND	0.11659		mg/L			20		J
	MS	1518323-03	ND	10.646	10.000	mg/L		106		75 - 125	
	MSD	1518323-03	ND	10.591	10.000	mg/L	0.5	106	20	75 - 125	
QC Batch ID: BYG2477		Used client sample: N									
Color	DUP	1518242-01	3.0000	3.0000		Color Units	0		20		
QC Batch ID: BYG2479		Used client sample: N									
Turbidity	DUP	1518242-01	47.000	47.000		NT Units	0		10		
QC Batch ID: BYH1058		Used client sample: N									
Bicarbonate	DUP	1520128-09	496.00	489.70		mg/L	1.3		10		
Carbonate	DUP	1520128-09	ND	ND		mg/L			10		
Hydroxide	DUP	1520128-09	ND	ND		mg/L			10		

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYG2454						
Total Recoverable Aluminum	BYG2454-BLK1	ND	ug/L	50	26	
Total Recoverable Barium	BYG2454-BLK1	ND	ug/L	10	3.5	
Total Recoverable Chromium	BYG2454-BLK1	ND	ug/L	10	1.2	
Total Recoverable Copper	BYG2454-BLK1	ND	ug/L	10	1.2	
Total Recoverable Iron	BYG2454-BLK1	ND	ug/L	50	30	
Total Recoverable Manganese	BYG2454-BLK1	ND	ug/L	10	4.0	
Total Recoverable Nickel	BYG2454-BLK1	ND	ug/L	10	2.3	
Total Recoverable Silver	BYG2454-BLK1	4.8830	ug/L	10	1.3	J
Total Recoverable Zinc	BYG2454-BLK1	ND	ug/L	50	1.3	
QC Batch ID: BYG2458						
Total Recoverable Aluminum	BYG2458-BLK1	ND	ug/L	50	26	
Total Recoverable Barium	BYG2458-BLK1	ND	ug/L	10	3.5	
Total Recoverable Chromium	BYG2458-BLK1	ND	ug/L	10	1.2	
Total Recoverable Copper	BYG2458-BLK1	ND	ug/L	10	1.2	
Total Recoverable Iron	BYG2458-BLK1	ND	ug/L	50	30	
Total Recoverable Manganese	BYG2458-BLK1	ND	ug/L	10	4.0	
Total Recoverable Nickel	BYG2458-BLK1	ND	ug/L	10	2.3	
Total Recoverable Silver	BYG2458-BLK1	ND	ug/L	10	1.3	
Total Recoverable Zinc	BYG2458-BLK1	ND	ug/L	50	1.3	
QC Batch ID: BYH1300						
Total Recoverable Antimony	BYH1300-BLK1	ND	ug/L	2.0	0.11	
Total Recoverable Arsenic	BYH1300-BLK1	ND	ug/L	2.0	0.70	
Total Recoverable Beryllium	BYH1300-BLK1	ND	ug/L	1.0	0.14	
Total Recoverable Cadmium	BYH1300-BLK1	ND	ug/L	1.0	0.11	
Total Recoverable Lead	BYH1300-BLK1	ND	ug/L	1.0	0.10	
Total Recoverable Mercury	BYH1300-BLK2	0.11500	ug/L	0.20	0.066	J
Total Recoverable Selenium	BYH1300-BLK1	0.72600	ug/L	2.0	0.19	J
Total Recoverable Thallium	BYH1300-BLK1	ND	ug/L	1.0	0.10	

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Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BYG2454										
Total Recoverable Aluminum	BYG2454-BS1	LCS	1011.5	1000.0	ug/L	101		85 - 115		
Total Recoverable Barium	BYG2454-BS1	LCS	414.28	400.00	ug/L	104		85 - 115		
Total Recoverable Chromium	BYG2454-BS1	LCS	204.94	200.00	ug/L	102		85 - 115		
Total Recoverable Copper	BYG2454-BS1	LCS	389.18	400.00	ug/L	97.3		85 - 115		
Total Recoverable Iron	BYG2454-BS1	LCS	1052.9	1000.0	ug/L	105		85 - 115		
Total Recoverable Manganese	BYG2454-BS1	LCS	508.53	500.00	ug/L	102		85 - 115		
Total Recoverable Nickel	BYG2454-BS1	LCS	415.51	400.00	ug/L	104		85 - 115		
Total Recoverable Silver	BYG2454-BS1	LCS	97.000	100.00	ug/L	97.0		85 - 115		
Total Recoverable Zinc	BYG2454-BS1	LCS	531.51	500.00	ug/L	106		85 - 115		
QC Batch ID: BYG2458										
Total Recoverable Aluminum	BYG2458-BS1	LCS	1006.8	1000.0	ug/L	101		85 - 115		
Total Recoverable Barium	BYG2458-BS1	LCS	410.64	400.00	ug/L	103		85 - 115		
Total Recoverable Chromium	BYG2458-BS1	LCS	207.59	200.00	ug/L	104		85 - 115		
Total Recoverable Copper	BYG2458-BS1	LCS	392.92	400.00	ug/L	98.2		85 - 115		
Total Recoverable Iron	BYG2458-BS1	LCS	1077.0	1000.0	ug/L	108		85 - 115		
Total Recoverable Manganese	BYG2458-BS1	LCS	502.15	500.00	ug/L	100		85 - 115		
Total Recoverable Nickel	BYG2458-BS1	LCS	416.07	400.00	ug/L	104		85 - 115		
Total Recoverable Silver	BYG2458-BS1	LCS	98.676	100.00	ug/L	98.7		85 - 115		
Total Recoverable Zinc	BYG2458-BS1	LCS	531.91	500.00	ug/L	106		85 - 115		
QC Batch ID: BYH1300										
Total Recoverable Antimony	BYH1300-BS1	LCS	39.111	40.000	ug/L	97.8		85 - 115		
Total Recoverable Arsenic	BYH1300-BS1	LCS	100.25	100.00	ug/L	100		85 - 115		
Total Recoverable Beryllium	BYH1300-BS1	LCS	46.027	40.000	ug/L	115		85 - 115		
Total Recoverable Cadmium	BYH1300-BS1	LCS	40.534	40.000	ug/L	101		85 - 115		
Total Recoverable Lead	BYH1300-BS1	LCS	105.57	100.00	ug/L	106		85 - 115		
Total Recoverable Mercury	BYH1300-BS2	LCS	8.7580	8.0000	ug/L	109		85 - 115		
Total Recoverable Selenium	BYH1300-BS1	LCS	103.41	100.00	ug/L	103		85 - 115		
Total Recoverable Thallium	BYH1300-BS1	LCS	42.262	40.000	ug/L	106		85 - 115		

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Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

Quality Control Report - Precision & Accuracy

										Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals	
QC Batch ID: BYG2454		Used client sample: Y - Description: Bend - Easy Go, 07/27/2015 10:00										
Total Recoverable Aluminum	DUP	1518323-01	ND	28.078		ug/L			20		J	
	MS	1518323-01	ND	1122.2	1000.0	ug/L		112		75 - 125		
	MSD	1518323-01	ND	1115.2	1000.0	ug/L	0.6	112	20	75 - 125		
Total Recoverable Barium	DUP	1518323-01	ND	3.5691		ug/L			20		J	
	MS	1518323-01	ND	450.16	400.00	ug/L		113		75 - 125		
	MSD	1518323-01	ND	438.96	400.00	ug/L	2.5	110	20	75 - 125		
Total Recoverable Chromium	DUP	1518323-01	1.5233	1.7092		ug/L	11.5		20		J	
	MS	1518323-01	1.5233	222.09	200.00	ug/L		110		75 - 125		
	MSD	1518323-01	1.5233	224.67	200.00	ug/L	1.2	112	20	75 - 125		
Total Recoverable Copper	DUP	1518323-01	ND	ND		ug/L			20			
	MS	1518323-01	ND	422.02	400.00	ug/L		106		75 - 125		
	MSD	1518323-01	ND	413.35	400.00	ug/L	2.1	103	20	75 - 125		
Total Recoverable Iron	DUP	1518323-01	ND	ND		ug/L			20			
	MS	1518323-01	ND	1150.8	1000.0	ug/L		115		75 - 125		
	MSD	1518323-01	ND	1163.4	1000.0	ug/L	1.1	116	20	75 - 125		
Total Recoverable Manganese	DUP	1518323-01	ND	ND		ug/L			20			
	MS	1518323-01	ND	550.05	500.00	ug/L		110		75 - 125		
	MSD	1518323-01	ND	540.11	500.00	ug/L	1.8	108	20	75 - 125		
Total Recoverable Nickel	DUP	1518323-01	ND	ND		ug/L			20			
	MS	1518323-01	ND	442.92	400.00	ug/L		111		75 - 125		
	MSD	1518323-01	ND	432.22	400.00	ug/L	2.4	108	20	75 - 125		
Total Recoverable Silver	DUP	1518323-01	4.2882	ND		ug/L			20			
	MS	1518323-01	4.2882	104.74	100.00	ug/L		100		75 - 125		
	MSD	1518323-01	4.2882	103.22	100.00	ug/L	1.5	98.9	20	75 - 125		
Total Recoverable Zinc	DUP	1518323-01	2.0684	1.8784		ug/L	9.6		20		J	
	MS	1518323-01	2.0684	562.99	500.00	ug/L		112		75 - 125		
	MSD	1518323-01	2.0684	554.83	500.00	ug/L	1.5	111	20	75 - 125		
QC Batch ID: BYG2458		Used client sample: Y - Description: Brownstone, 07/27/2015 11:15										
Total Recoverable Aluminum	DUP	1518323-03	26.103	ND		ug/L			20			
	MS	1518323-03	26.103	1102.4	1000.0	ug/L		108		75 - 125		
	MSD	1518323-03	26.103	1146.9	1000.0	ug/L	4.0	112	20	75 - 125		
Total Recoverable Barium	DUP	1518323-03	ND	ND		ug/L			20			
	MS	1518323-03	ND	448.29	400.00	ug/L		112		75 - 125		
	MSD	1518323-03	ND	456.94	400.00	ug/L	1.9	114	20	75 - 125		
Total Recoverable Chromium	DUP	1518323-03	ND	ND		ug/L			20			
	MS	1518323-03	ND	221.35	200.00	ug/L		111		75 - 125		
	MSD	1518323-03	ND	223.58	200.00	ug/L	1.0	112	20	75 - 125		

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Dave Oldenburg
2681 Sierra Vista Way
Bishop, CA 93514

Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

Quality Control Report - Precision & Accuracy

Control Limits											
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Percent RPD	Lab Recovery	Quals
QC Batch ID: BYG2458		Used client sample: Y - Description: Brownstone, 07/27/2015 11:15									
Total Recoverable Copper	DUP	1518323-03	ND	ND		ug/L			20		
	MS	1518323-03	ND	427.37	400.00	ug/L		107		75 - 125	
	MSD	1518323-03	ND	425.54	400.00	ug/L	0.4	106	20	75 - 125	
Total Recoverable Iron	DUP	1518323-03	ND	ND		ug/L			20		
	MS	1518323-03	ND	1176.7	1000.0	ug/L		118		75 - 125	
	MSD	1518323-03	ND	1183.4	1000.0	ug/L	0.6	118	20	75 - 125	
Total Recoverable Manganese	DUP	1518323-03	ND	ND		ug/L			20		
	MS	1518323-03	ND	548.46	500.00	ug/L		110		75 - 125	
	MSD	1518323-03	ND	559.21	500.00	ug/L	1.9	112	20	75 - 125	
Total Recoverable Nickel	DUP	1518323-03	ND	ND		ug/L			20		
	MS	1518323-03	ND	445.03	400.00	ug/L		111		75 - 125	
	MSD	1518323-03	ND	447.81	400.00	ug/L	0.6	112	20	75 - 125	
Total Recoverable Silver	DUP	1518323-03	ND	ND		ug/L			20		
	MS	1518323-03	ND	104.72	100.00	ug/L		105		75 - 125	
	MSD	1518323-03	ND	106.18	100.00	ug/L	1.4	106	20	75 - 125	
Total Recoverable Zinc	DUP	1518323-03	1.5243	1.4727		ug/L	3.4		20		J
	MS	1518323-03	1.5243	569.52	500.00	ug/L		114		75 - 125	
	MSD	1518323-03	1.5243	571.95	500.00	ug/L	0.4	114	20	75 - 125	
QC Batch ID: BYH1300		Used client sample: N									
Total Recoverable Antimony	DUP	1518014-01	0.25400	0.24600		ug/L	3.2		20		J
	MS	1518014-01	0.25400	42.357	40.816	ug/L		103		70 - 130	
	MSD	1518014-01	0.25400	41.500	40.816	ug/L	2.0	101	20	70 - 130	
Total Recoverable Arsenic	DUP	1518014-01	1.9960	1.8390		ug/L	8.2		20		J
	MS	1518014-01	1.9960	115.02	102.04	ug/L		111		70 - 130	
	MSD	1518014-01	1.9960	112.83	102.04	ug/L	1.9	109	20	70 - 130	
Total Recoverable Beryllium	DUP	1518014-01	ND	ND		ug/L			20		
	MS	1518014-01	ND	46.337	40.816	ug/L		114		70 - 130	
	MSD	1518014-01	ND	45.636	40.816	ug/L	1.5	112	20	70 - 130	
Total Recoverable Cadmium	DUP	1518014-01	0.20700	0.23000		ug/L	10.5		20		J
	MS	1518014-01	0.20700	44.108	40.816	ug/L		108		70 - 130	
	MSD	1518014-01	0.20700	43.357	40.816	ug/L	1.7	106	20	70 - 130	
Total Recoverable Lead	DUP	1518014-01	6.1320	5.9660		ug/L	2.7		20		
	MS	1518014-01	6.1320	115.88	102.04	ug/L		108		70 - 130	
	MSD	1518014-01	6.1320	112.51	102.04	ug/L	3.0	104	20	70 - 130	
Total Recoverable Mercury	DUP	1518014-01	ND	ND		ug/L			20		
	MS	1518014-01	ND	9.1612	8.1633	ug/L		112		70 - 130	
	MSD	1518014-01	ND	9.6071	8.1633	ug/L	4.8	118	20	70 - 130	

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2681 Sierra Vista Way
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Reported: 08/18/2015 16:38
Project: Drinking Waters
Project Number: Round Valley Water - CRWA Pricing
Project Manager: Dave Oldenburg

Metals Analysis

Quality Control Report - Precision & Accuracy

Control Limits											
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BYH1300		Used client sample: N									
Total Recoverable Selenium	DUP	1518014-01	0.82600	0.43700		ug/L	61.6		20		J,A02
	MS	1518014-01	0.82600	119.07	102.04	ug/L		116		70 - 130	
	MSD	1518014-01	0.82600	117.59	102.04	ug/L	1.2	114	20	70 - 130	
Total Recoverable Thallium	DUP	1518014-01	ND	ND		ug/L			20		
	MS	1518014-01	ND	43.419	40.816	ug/L		106		70 - 130	
	MSD	1518014-01	ND	42.836	40.816	ug/L	1.4	105	20	70 - 130	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A02	The difference between duplicate readings is less than the quantitation limit.
A07	Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
S05	The sample holding time was exceeded.
Z1	Alkalinity was analyzed past holding time-original run did not include titration for alkalinity calculation.

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