

Boyle Engineering 1501 Quail St

1501 Quail St Newport-Beach-CA,-92660 Project: T-22 Drinking Water

Project Number: ES-C68-200 Project Manager: Lisa Nelson

Reported: 11/24/03-15:42

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Source: 50 99	0.066	Units 2-01	Level	Result	%REC	Limits	RPD	Limit	Notes
50 99	0.066	2-01							
50 99	0.066	2-01		-:					
99						: 11/17/03			
		mg/L	0.200	0.43	.110	70-130	4.40	20	
14	0.53	h	10.2	280	186	70-130	5.50	20	QM-
	0.012	н .	0.200	ND	107	70-130	5.77	20	
25	0.064	M .	0.200	4.1	75.0	70-130	0.236	20	
3.0	0.41		10.2	82	108	70-130	3.39	20	
27	0.011	•	0.200	2.1	85.0	70-130	2.23	20	
).4	0.90	*	12.0	5.6	123	70-130	7.11	20	
57	0.71		10.2	250	68.6	70-130	1.57	20	QM-C
			Prepared o	& Analyze	d: 11/17/	03			
4D	0.0001	mg/L			٠,				
			Prepared o	& Analyze	d: 11/17/	03			
01	0.0001	mg/L	0.00100		100	80-120			
Source:	031112	2-01	Prepared	& Analyze	d: 11/17/0	03			
01	0.0001	mg/L	0.00100	0.00002	98.0	80-120			
Source:	031112	2-01	Prepared a	& Analyze	d: 11/17/0)3			
01	0.0001	mg/L	0.00100	0.00002	98.0	80-120	0.00	20	
			Prepared	& Analyze	d: 11/18/0)3			
(D)	2.0	μg/L							
ND	2.0								
ID.	2.0	. •							
ID	1.0								
	2.0			•					
	2.0	•							
	5.0	•.		•					
	5.0	•							
	2.0	*							
	2.0	,	*						
									••
-		•							
		*							
		10							
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND 2.0 ND 2.0 ND 1.0 ND 2.0 ND 2.0 ND 5.0 ND 5.0 ND 2.0	ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 μg/L ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 μg/L ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 µg/L ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 µg/L ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "	ND 2.0 µg/L ND 2.0 " ND 2.0 " ND 1.0 " ND 2.0 " ND 2.0 " ND 5.0 " ND 5.0 " ND 2.0 "

he 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.



1501 Quail St Newport Beach CA, 92660 Project: T-22 Drinking Water

Project Number: ES-C68-200

Project Manager: Lisa Nelson

Reported: 11/24/03 15:42

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1803 - EPA 200 Series						4				
LCS (B3K1803-BS1)				Prepared	& Analyza	d: 11/18/	03			
Aluminum	112	2.0	μ g/L	100		112	85-115			
Antimony	105	2.0	н	100		105	85-115			
Arsenic	107	2.0		100		107	85-115			
Bariun	104	1.0	n	100		104	85-115			
Beryllium	111	2.0	H	100		111	85-115			
Cadmium .	105	2.0	n	100		105	85-115			
Chromium	108	5.0	п	100		108	85-115			
Copper	107	5.0	н	100		107	85-115			
Vickel	109	2.0	"	100		109	85-115			
Selenium	109	2.0	*	100		109	85-115			
Silver	106	2.0	•	100		106	85-115			
hallium -	109	2.0		100 .		109	85-115			
/anadium	108	2.0	*	100	•	108	85-115			
line	99,0	. 10	11	100		99.0	85-115			
Natrix Spike (B3K1803-MS1)	Sou	arce: 031112	2-01	Prepared	& Analyza	ed: 11/18/0	03			
Uuminum	90.2	2.0	μg/L	100	3.5	86.7	70-130			
Antimony	108	2.0	R	100	0.69	107	70-130			
Arsenic	122	2.0	P	100	17	105	70-130			
Barium	167	1.0	*	100	69	98.0	70-130			
Beryllium	81.8	2.0	π	100	ND	81.8	70-130			
Cadmium	100	2.0	Ħ	100	ND	100	70-130			
Chromium	103	5.0	P	100	0.67	102	75-130			
Co pper	95.8	5.0	. * .	100	4.1	91.7	70-130			
Vickel	114	2.0	Ħ	100	16	98.0	70-130			
ielenium	116	2.0	н	100	9.1	107	70-130			
lilver	. 98.1	2.0	п	100	ND	98.1	70-130			
hallium	100	2.0	*	100	· ND	100	70-130			
/anadium	107	2.0	Ħ	100	0.075	107	70-130			
Zinc	106	10	#	100	19	87.0	70-130			

Page 17 of 28 _

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.



Boyle Engineering 1501 Quail St Newport Beach CA, 92660 Project: T-22 Drinking Water

Project Number: ES-C68-200
Project-Manager: Lisa Nelson

Reported: --1-1/24/03-1-5:42--

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B3K1803 - EPA 200 Series										
Matrix Spike Dup (B3K1803-MSD1)	Sour	ce: 031112	2-01	Prepared	& Analyz	ed: 11/18/	03			
Aluminum	91.5	2.0	μg/L	100	3.5	88.0	70-130	1.43	20	
Antimony	108	2.0		100	0.69	107	70-130	0.00	20	
Arsenic	123	2.0	. •	100	. 17	106	70-130	0.816	20	
Barium	168	1.0	*	100	69	99.0	70-130	0.597	20	
Beryllium	79.2	2.0	•	100	ND	79.2	70-130	3.23	20	
Cadmium	101	2.0	*	100	ND	101	70-130	0.995	20	
Chromium	106	5.0	• .	100	0.67	105	75-130	2.87	20	
Copper	98.4	5.0	*	100	4.1	94.3	70-130	2.68	20	
Nickel	117	2.0	•	100	16	101	70-130	2.60	20	
Selenium	116	2.0	•	100	9.1	107	70-130	0.00	20	
Silv er	98.2	2.0	. *	100	ND	98.2	70-130	0.102	20	
Thallium	99.9	2.0	•	100	ND	99,9	70-130	0.100	20	
nadium	110	2.0	•	100	0.075	110	70-130	2.76	20	
zunc	107	10		100	19	88.0	70-130	0.939	20	• "

he 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.



Newport Beach CA, 92660

Project: T-22 Drinking Water

1501 Quail St

Project Number: ES-C68-200

Project Manager: Lisa Nelson

Reported: 11/24/03 15:42

Trihalomethanes by EPA Method 502.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1321 - EPA 500 Series	-	•								
Blank (B3K1321-BLK1)				Prepared	& Analyza	ed: 11/13/	03			
Bromodichloromethane	ND	0.500	μg/L							
Bromoform	ND	0.500	n							
Chloroform	ND	0.500	•							
Dibromochioromethane	ND	0.500	•							
Total Trinalomethanes	ND	0.500								
Surrogate: i-Chloro-2-fluorobenzene	12.9			20.0		64.5	60-135			
LCS (B3K1321-BS1)				Prepared	& Analyze	ed: 11/13/	03			
Bromodichloromethane	36.8	0.500	μ g/ L	40.0		92.0	80-120			
Chloreform	32.1	0.500	*	40.0		80.2	80-120			
Dibromochloromethane	36.9	0.500	₩	40.0		92.2	80-120			
Duplicate (B3K1321-DUP1)	Sou	rce: 031112	8-06	Prepared .	& Analyze	ed: 11/13/	03			
Bromodichloromethane	17.8	0,500	μg/L		16.7			6.38	30	
Chloroform	12.0	0.500	•		12.2			1.65	30	
Dibromochloromethane	17.7	0.500	•		16.7			5.81	30	
Matrix Spike (B3K1321-MS1)	Sor	rce: 031112	8-06	Prepared a	& Analyze	ed: 11/13/	03			
Promodichloromethane	42.5	0.500	μ g/ L	40.0	16.7	64.5	47-124			
Chloroform	33.0	0.500	. 4	40.0	12.2	52.0	22-148			٠
Dibromochioromethane	43.9	0.500	n	40.0	16.7	68.0	38-127			
Matrix Spike Dup (B3K1321-MSD1)	Sou	rce: 031112	8-06	Prepared	& Analyze	d: 11/13/	03			
Bromodickloromethane	46.3	0.500	μg/L	40.0	16.7	74.0	47-124	8.56	·30	
Chloroform	36.0	0.500	п	40.0	12.2	59.5	22-148	8.70	30	
Dibromochloromethane	47.8	0.500	Ħ	40.0	16.7	77.8	38-127	8.51	30	

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.



Boyle Engineering 1501 Quail St

Newport Beach CA, 92660

Project: T-22 Drinking Water

Project Number: ES-C68-200 Project Manager: Lisa Nelson

Reported: 11/24/03-15:42

EDB and DBCP by EPA Method 504.1 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1401 - EPA 500 Series										
Blank (B3K1401-BLK1)				Prepared	& Analyze	ed: 11/14/	03		,	
1,2-Dibromoethane (EDB)	ND	0.0200	µg/L							
Dibromochloropropane	ND	0.0100	•			•				
LCS (B3K1401-BS1)				Prepared	& Analyze	ed: 11/14/	03			
1,2-Dibromoethane (EDB)	6.00	0.0200	µg/L	5.71		105	70-110			
Dibromochloropropane	5.90	0.0100	٠.	5.71		103	70-110			
Duplicate (B3K1401-DUP1)	Sou	rce: 031112	2-01	Prepared	& Analyze	d: 11/14/0	03			
1,2-Dioromoethane (EDB)	ND	0.0200	μg/L		0.00				30	
Dibromochloropropane	ND	0.0100	. "		0.00				30	
Matrix Spike (B3K1401-MS1)	Sou	rce: 031112	2-01	Prepared a	& Analyze	ed: 11/14/0	03			
1,2-Dibromoethane (EDB)	7.00	0.0200	μg/L	5.71	0.00	123	50-150			
romochlompropane	6.20	0.0100		5.71	0.00	109	50-150			
Matrix Spike Dup (B3K1401-MSD1)	Sou	rce: 031112	2-01	Prepared a	& Analyze	:d: 11/14/0	03			
1,2-Dibromoethane (EDB)	7.00	0.0200	μg/L	5.71	0.00	123	50-150	0.00	30	
Dibromochloropropane	6.30	0.0100		5,71	0.00	110	50-150	1.60	30	

te 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.



1501 Quail St

Newport Beach CA, 92660

Project: T-22 Drinking Water

Project Number: ES-C68-200

Project Manager: Lisa Nelson

Reported: 11/24/03 15:42

Chlorinated Pesticides and PCBs by EPA Method 505 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units'	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0609 - EPA 500 Series										
Blank (B3K0609-BLK1)				Prengred	11/06/03	Analyzed	- 11/13/03			
Alachlor	ND	1.00	μg/L	Troparos.	11/00/05	7 mary 200	. 11/15/05			
Aldrin	ND	0.0750	n L							
Atrazine	ND	0.500								
Chiordane	ND	0.100	*							
Chlordane-alpha	ND	0.200	*							
Chloniane-gamma	ND	0.200								
Dieldrin	ND	0.0200								
Endrin	ND	0.100	•							
Heptachlor	ND	0.0100	•							
Heptachlor epoxide	ND	0.0100	*							
lexachlorobenzene	ND	0.500	19							
lexachlorocyclopeniadiene	ND	1.00	**							
gamma-BHC (Lindane)	ND	0.200	Ħ							
Methoxychlor	ND	10.0	н	,						
eis-Nonachlor	ND	0.0200	*				*	•		
rans-Nonachior	ND	0.0200	₩							
Simazine	ND	1.00	**							
Toxaphene	ND	1.00								
PCB-1016	ND	0.500	**							
PCB-1221	ND	0.500								
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	•							
PCB-1248	ND	0.500	*							
PCB-1254	ND	0.500	n							
PCB-1260	ND	0.500	H							
Surrogate: 4,4'-Dibromobiphenyl	2.15		#	2.00		108	35-150	·		
LCS (B3K0609-BS1)					11/06/03	Analyzed				
Aldrin	0.680	0.0750	μg/L	0.800		85.0	80-120			
Dieldrin	0.750	0.0200	-	0.800		93.8	80-120			
Endrin	0.756	0.100		0.800		94.5	80-120			

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.



1501 Quail St Newport Beach CA, 92660 Project: T-22 Drinking Water

Project Number: ES-C68-200
Project Manager: Lisa Nelson

Reported: -11/24/03-15:42

Chlorinated Pesticides and PCBs by EPA Method 505 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0609 - EPA 500 Series							-			
Matrix Spike (B3K0609-MS1)	Sou	rce: 031106	0-01	Prepared:	11/06/03	Analyzed	: 11/13/03	_		
Aldrin	0.623	0.0750	μg/L	0.800	ND	77.9	50-150	· ·		. 14
Dieldrin	0.772	0.0200	. •	0.800	MD	96.5	50-150			
Endrin	0.794	0.100	#	0.800	ND	99.2	50-150			
Matrix Spike Dup (B3K0609-MSD1)	Sou	rce: 031106	0-01	Prepared:	11/06/03	Analyzed	: 11/13/03			
Aldrin	0.800	0.0750	μg/L	0.800	ND	100	50-150	24.9	30	
Dieldrin -	0.806	0.0200	#	0.800	ND	100	50-150	3.56	30	
Endrin	0.800	0.100	*	0.800	ND	100	50-150	0.753	30	



1501 Quail St

Newport Beach CA, 92660

Project: T-22 Drinking Water

Project Number: ES-C68-200 Project Manager: Lisa Nelson

Reported:

11/24/03 15:42

Organo-Chlorine Herbicides by EPA Method 515.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0610 - EPA 500 Series										
Blank (B3K0610-BLK1)				Prepared:	11/06/03	Analyzed	: 11/19/03			**
2,4,5-T	ND	0.200	μg/L							
2,4,5-TP (Silvex)	ND	1.00	. *	٠,						
2,4-D	ND	10.0								
2,4-Di	ND	0.200	• .							
3,5-Dichlorobenzoic acid	ND	0.200	-							
Acifluorfen .	ND	0.200	•							
Bentazon	ND	2.00	•							
Daiapon	ND	0.200	*							
Dacthal Acid Metabolites	ND	0.200	. "							
Dicamba	ND	1.50	₩.							
Dichlo rprop	ND	0.200	*							
Oinoseb	ND	2.00	Ħ							
Pentachiorophenol	ND	0.200	*							
Picloram	ND	1.00	*							
Surrogate: 2,4-Dichlorophenylacetic Acid	36.8		"	100		36.8	35-150			
LCS (B3K0610-BS1)				Prepared:	11/06/03	Analyzed	: 11/19/03			
2,4,5-T	4.80	0.200	μg/L	5.00		96,0	80-120			
2,4,5-TP (Süvex)	4.22	1.00	•	5.00		84.4	80-120			
Dacthal Acid Metabolites	4.00	0.200	•	5.00		80.0	80-120			
Dinoseb	4.06	2.00	n	5.00		81.2	80-120			
LCS (B3K0610-BS2)				Prepared:	11/06/03	Analyzed	: 11/19/03			
2,4,5-T	4.80	0.200	μ g/L	5.00		96.0	80-120			
2,4,5-TP (Silvex)	4.06	1.00	•	5.00		81_2	80-120			
Dacthal Acid Metabolites	4.00	0.200	n	5.00		80.0	80-120			
Dinoseb	4.00	2.00	19	5.00		80.0	80-120			

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.



Boyle Engineering 1501 Quail St Newport Beach CA, 92660 Project: T-22 Drinking Water

Project Number: ES-C68-200
Project-Manager: Lisa-Nelson-

Reported: -1-1/24/03-15:42

Organo-Chlorine Herbicides by EPA Method 515.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0610 - EPA 500 Series										
LCS Dup (B3K0610-BSD1)				Prepared:	11/06/03	Analyzed:	11/19/03			
2,4,5-T	4.80	0.200	μg/L	5.00		96.0	80-120	0.00	30	
2,4,5-TP (Silvex)	4.00	1.00	•	5.00		80.0	80-120	5.35	30	
Dacthal Acid Metabolites	4.00	0.200	. •	5.00		80.0	80-120	0.00	30	
Dinoseb	4.06	2.00	•	5.00		80.0	80-120	1.49	30	

he 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.



Boyle Engineering 1501 Quail St Newport Beach CA, 92660

Project: T-22 Drinking Water

Project Number: ES-C68-200
Project Manager: Lisa Nelson

Reported: 11/24/03 15:42

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1202 - EPA 500 Series										
Blank (B3K1202-BLK1)				Prepared	& Analyz	ed: 11/11/	03			
1,2,3-Trichloropropane	ND	0.00500	μg/L							
Surrogate: 1,4-Dichlorobenzene-d4	0.625		···	0.625		100	80-120			
Batch B3K1203 - EPA 500 Series										
Blank (B3K1203-BLK1)				Prepared	& Anaiyz	ed: 11/11/	03		· · · · · · · · · · · · · · · · · · ·	
Benzene	ND	0.500	μg/L							
Bromobenzene	ND	0.500	Ħ							
Bromochloromethane	ND:	0.500	4							
Bromodichloromethane	ND	0.500	. н			•				
Bromoform	ND	0.500	, it							
Bromomethane	ND	0.500	н							
Methyl ethyl ketone	ND	5.00								
n-Butylbenzene	ND	0.500	*						*	
sec-Butylbenzene	ND	0.500	7							
tert-Butylbenzene	ND	0.500	*							
Carbon tetrachionide	ND	0.500	*							
Chlorobenzene	ND	0.500	*							
Chloroethane	ND	0.500	r				•			
2-Chloroethylvinyl ether	ND	1.00	*							
Chloroform	ND	0.500	*							
Chloromethane	ND	0.500								
2-Chlorotoluene	ND	0.500								
4-Chlorotoluene	ND	0.500	*							
Dibromochloromethane	· ND	0.500								
Dibromomethane	ND	0.500	` #							
1,2-Dichlorobenzene	ND	0.500								
1,3-Dichlorobenzene	ND	0.500	•							
1,4-Dichlorobenzene	ND	0.500	*							
Dichlorodifluoromethane	ND	0.500	.*			•				
1,1-Dichloroethane	ND	0.500	•	•						
1,2-Dichlorpethane	ND	0.500	•							
1,1-Dichloroethene	ND	0.500	#							
cis-1,2-Dichloroethene	ND	0.500								
rans-1,2-Dichloroethene	ND	0.500								
1,2-Dichloropropane	ND	0.500	*							
1,3-Dichloropropane	ND	0.500								

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.



1501 Quail St Newport Beach CA, 92660 Project: T-22 Drinking Water

Project Number: ES-C68-200
Project Manager: Lisa Nelson

Reported: 11/24/03_15:42

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Anziyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K1203 - EPA 500 Series										
Blank (B3K1203-BLK1)				Prepared &	& Analyze	xd: 11/11/	03			
2,2-Dichloropropane	ND	0.500	μg/L							
1,1-Dichloropropene	ND	0.500	₩ .							
cis-1,3-Dichloropropene	ND	0.500	**				-			
trans-1,3-Dichloropropene	ND	0.500					-			
Di-isopropyl ether	ND	3.00	*							
Ethyl tert-butyl ether	ND	3.00	*							
Ethylbenzene	ND	0.500	,							
Hexachlorobutadiene	ND	0.500	*							
Isopropylbenzene	ND	0.500	*							
p-Isopropyltoluene	ND	0.500	*							
Methylene chloride	ND	0.500	*					•		
Methyl isobutyl ketone	ND	5.00								
thyl tert-butyl ether	ND	3.00	P							
-vaphthalene	ND	0.500	77							
n-Propylbenzene	ND	0.500	n			•				
Styrene	ND	0.500	η.							
Tert-amyl methyl ether	ND	3.00	Ħ							~
Tert-butyl alcohol	ND	2.00	#							
1,1,1,2-Tetrachloroethane	ND	0.500								
1,1,2,2-Tetrachloroethane	ND	0.500	n							
Tetrachloroethene	ND	0.500	n							
Toluene	ND	0.500				•				
1,2,3-Trichlorobenzene	ND	0.500								
1,2,4-Trichlorobenzene	ND	0.500	n							
1,1,1-Trichloroethane	ND	0.500	*							
1,1,2-Trichloroethane	ND	0.500	*			•				
Trichloroethene	ND	0.500			•				•	
Trichlorofluoromethane	ND	5.00	₩ .		• .					
1,1,2-Trichlorotrifluoroethane	ND	10.0	R							
1,2,3-Trichloropropane	ND	0.500	n							
1,2,4-Trimethylbenzene	ND	0.500	*							
1,3,5-Trimethylbenzene	ND	0.500	•							
Vinyl chloride	ND	0.500	**				٠			
m,p-Xylene	ND	0.500	π .				٠			
o-Xylene	ND	0.500	n							
Surrogate: Dibromofluoromethane	53.2		*	50.0		106	86-118			
Surrogate: Toluene-d8	50.3		" .	50.0		101	88-110			

he 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.



1501 Quail St

Project: T-22 Drinking Water

Project Number: ES-C68-200

Reported:

Newport Beach CA, 92660

Project Manager: Lisa Nelson

11/24/03 15:42

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC	•	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B3K1203 - EPA 500 Series										
Blank (B3K1203-BLK1)				Prepared a	& Analyzo	d: 11/11/	03			
Surrogate: 4-Bromofluorobenzene	49.7		μg/L	50.0		99.4	86-115			
LCS (B3K1203-BS1)				Prepared a	& Analyze	ed: 11/11/	03			
Benzene	22.6	0.500	μg/L	25.0		90.4	80-120			
Chlorobenzene	24.4	0.500	*	25,0		97.6	80-120			
,1-Dichloroethene	21.0	0.500	•	25.0		84.0	80-120			
Aethyl ten-butyl ether	21.9	3.00 -	•	25.0		87.6	80-120			
Toluene	21.9	0.500		25.0		87.6	80-120			
Trichloroethene	24,3	0.500	•	25.0		97.2	80-120			
Ouplicate (B3K1203-DUP1)	Sour	ce: 031112	2-01	Prepared a	& Analyze	ed: 11/11/0	03			
Benzene	ND	0.500	μ g/L		ND			——- 	30	
Chlorobenzene	ND	0.500			ND			•	30	
,1-Dichloroethene	ND	0.500	. •		ND				30	
Methyl tert-butyl ether	ND	3.00	•		ND				30	
Toluene	ND	0.500			ND				30	
[richloroethene	ND	0.500			ND				30	
Matrix Spike (B3K1203-MS1)	Sour	ce: 031112	2-01	Prepared &	& Analyze	d: 11/11/0	03			
Benzene	22.4	0.500	μ g/ L	25.0.	ND	89.6	37-151			
Chlorobenzene	24.4	0.500		25.0	ND	97.6	37-160		•	
,1-Dichloroethene	21.9	0.500	*	25.0	ND	87.6	50-150			
Methyl tert-butyl ether	24.3	3.00	10	25.0	ND	97.2	37-160			
Toluene	21.9	0.500		25.0	ND	87.6	47-150			
Trichloroethene	23.8	0.500	•	25.0	ND	95.2	71-157			5
Matrix Spike Dup (B3K1203-MSD1)	Sour	ce: 031112	2-01	Prepared &	& Analyze	:d: 11/11/0	03			
Benzene	22.5	0.500	μ g/L	25.0	ND	90.0	37-151	0.445	30	
Chlorobenzene	24.8	0.500		25.0	ND	99.2	37-160	1.63	30	
,1-Dichloroethene	21.9	0.500		25.0	ND	87.6	50-150	0.00	30	
Methyl tert-buryl ether	24.0	3.00		25.0	ND	96.0	37-160	1.24	30	
Toluene .	22.0	0.500		25.0	ND	88.0	47-150	0.456	30	
Frichloroethene	23.6	0.500		25.0	ND	94.4	71-157	0.844	30	

Page 27 of 28 _

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.



November 18, 2003

Alta Project I.D.: 24405

Ms. Tracy Collins Sierra Analytical 26052 Merit Circle Suite 105 Laguna Hills, CA 92653

Dear Ms. Collins,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on November 12, 2003 under your Project Name "#0311122". This sample was extracted and analyzed using EPA Method 8280 for 2,3,7,8-TCDD. A standard turnaround time was provided for this work.

The following report consists of a Sample Inventory (Section I), Analytical Results (Section II) and the Appendix, which contains the chain-of-custody, a list of data qualifiers and abbreviations, Alta's current certifications, and copies of the raw data (if requested).

Alta Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-933-1640 or by email at mmaier@altalab.com. Thank you for choosing Alta as part of your analytical support team.

Sincerely,

Martha M. Maier

Director of HRMS Services

Marcha Mares







Section I: Sample Inventory Report
Date Received: 11/12/2003

Alta Lab. ID

Client Sample ID

24405-001

0311122-01



SECTION II

Project 24405



Method Blank								EPA M	ethod 828(
Matrix: Sample Size:	Aqueous 1,000 L		Batch No.: Extracted:	53 16	71 -Nov-03	•	-MB001 7-Nov-03	Date Analyzed DB-22	25: NA
Analyte	Conc. (ng/L)	DL ^a	EMPC ^b	MDL c	Qualifiers	Labeled Standard	%R	LCL-UCL ^d	Oualifiers
2,3,7,8-TCDD	ND	0.00835		0.0380		<u>IS</u> 13C-2,3,7,8-TCDD <u>CRS</u> 37Cl-2,3,7,8-TCDD			
						Footnotes			
		•				a. Sample specific estimated determined b. Estimated maximum possible comparison limit. d. Lower control limit - upper cont	concentration.		
Analyst: MS							Martha M. Mai	er 18-Nov-2003 12:3	8

Analyst: MS



OPR Results					, .	EPA Method 828Ö
Matrix: Sample Size:	Aqueous	QC Batch No.: Date Extracted:	5371 16-Nov-03	Lab Sample: Date Analyzed DB-5:	0-OPR001 17-Nov-03	Date Analyzed DB-225: NA
Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	10.0	9.49	7 - 13	<u>IS</u> 13C-2,3,7,8-TCDD	75.5	25 - 150
				CRS 37CI-2,3,7,8-TCDI	90.9	25 - 150

Analyst: MS

Approved By:

Martha M. Maier 18-Nov-2003 12:38



Sample ID:	0311122-01							E	PA N	Method 8280
Client Data Name: Project: Date Collected: Time Collected:	Sierra Analytical #0311122 10-Nov-03			Sample Data Matrix: Sample Size:	Aqueous 0.951 L	Laboratory Data Lab Sample: QC Batch No.: Date Analyzed DB-5:	24405-001 5371 18-Nov-03	Date Received: Date Extracted: Date Analyzed	DB-22	12-Nov-03 16-Nov-03 NA
Analyte	Conc. (ng/L)	DL ^a	EMPC ^b	MDL c	Qualifiers	Labeled Standa	rd	%R LCL-I	JCL ^d	Qualifiers
2,3,7,8-TCDD	, ND	0.00471		0.0380		IS 13C-2,3,7,8-TCl CRS 37Cl-2,3,7,8-TC Footnotes		73.8 25 - 15 102 25 - 15	-	
						a. Sample specific estimated b. Estimated maximum possi c. Method detection limit. d. Lower control limit - uppe	ble concentration			

Analyst: MS

Approved By:

Martha M. Maier 18-Nov-2003 12:38



APPENDIX

Project 24405



DATA QUALIFIERS & ABBREVIATIONS

The amount detected is below the Lower Calibration Limit of the instrument. A

This compound was also detected in the method blank. В

The amount reported is the maximum possible concentration due to possible D

chlorinated diphenylether interference.

The amount detected is above the Upper Calibration Limit of the instrument. \mathbf{E}

H The signal-to-noise ratio is greater than 10:1.

Chemical Interference

See Cover Letter

Conc. Concentration

Sample-specific estimated detection limit DL

EMPC Estimated Maximum Possible Concentration

NA Not applicable

ND Not Detected

TEQ Toxic Equivalency



CURRENT CERTIFICATIONS

NELAP — (Primary AA: California, Certificate No. 02102CA)

Department of the Navy

U.S. Army Corps of Engineers

U.S. EPA Region 5

Commonwealth of Kentucky — (Certificate No. 90063)

Bureau of Reclamation — Mid-Pacific Region — (MP-470, Res-1.10)

Commonwealth of Kentucky — (Certificate No. 90063)

Commonwealth of Virginia — (Certificate No. 00013)

State of Alaska, Department of Environmental Conservation — (Certificate No. OS-00197)

State of Arkansas, Department of Health — (Approval granted through CA certification)

State of Arkansas, Department of Environmental Quality

State of California — (Certificate No. 1640)

State of Connecticut — (Certificate No. PH-0182)

State of Florida — (Certificate No. 87456)

State of Louisiana, Department of Health and Hospitals — (Certificate No. LA000014)

State of Louisiana, Department of Environmental Quality

State of Mississippi — (Approval granted through CA certification)

State of Nevada — (Certificate No. CA413)

State of New Jersey — (Certificate No. CA003)

State of New Mexico

State of New York, Department of Health — (Certificate No. 11411)

State of North Carolina — (Certification No. 06700)

State of North Dakota, Department of Health — (Certificate No. R-078)

State of Oregon – (Certificate No. CA413)

State of Pennsylvania — (Certificate No. 68-490)

State of South Carolina — (Certificate No. 87002001)

State of Tennessee — (Certificate No. 02996)

State of Texas — (Certificate No. TX247-1000A

State of Utah — (Certificate No. E-201)

State of Washington – (Certification No. C091)

State of Wisconsin — (Certificate No. 998036160)

State of Wyoming — (USEPA Region 8 Ref: 8TMS-Q)



Client Name: Sierra Laboratories

Contact: Tracy Collins

Address: 26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Analytical Report: Page 1 of 4

Project Name: No Project

Project Number: Project #0311122

Report Date: 18-Nov-2003

Work Order Number: A3K1010

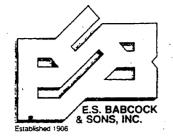
Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department at the phone number above.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	<u>By</u>	Date Submitted	<u>By</u>
A3K1010-01	Dance Hall - 2 (0311122-01)	Water	11/10/03 13:30		11/12/03 09:44	UPS





Client Name: Sierra Laboratories

Contact: Tracy Collins

Address: 26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Analytical Report: Page 2 of 4

Project Name: No Project

Project Number: Project #0311122

Report Date: 18-Nov-2003

Work Order Number: A3K1010

Laboratory Reference Number A3K1010-01

Sample Description
Dance Hall - 2 (0311122-01)

Matrix Water Sampled Date/Time 11/10/03 13:30 Received Date/Time 11/12/03 9:44

Analyte(s)

Result RDL Units Method Analysis Date Analyst Flag

General Inorganics

Perchlorate

ND 4.0 ug/L EPA 314.0 11/14/03 18:04 KOS





Client Name: Sierra Laboratories

Contact: Tracy Collins

Address: 26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Analytical Report: Page 3 of 4

Project Name: No Project

Project Number: Project #0311122

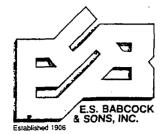
Report Date: 18-Nov-2003

Work Order Number: A3K1010

General Inorganics - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 3K14003 - Analyzed as rece	ved									
Blank (3K14003-BLK1)				Prepare	d & Analy	zed: 11/1	4/03			
Perchlorate	ND	4.0	ug/L							
LCS (3K14003-BS1)				Prepare	d & Analy	zed: 11/1	4/03			
Perchiorate	25.3	4.0	ug/L	25.0	_	101	85-115			··
Duplicate (3K14003-DUP1)	Sou	rce: A3K1	010-01	Prepare	d & Analy	zed: 11/1	4/03		•	
Perchlorate	ND	4.0	ug/L		ND				15	
Matrix Spike (3K14003-MS1)	Sou	rce: A3K1	010-01	Prepare	d & Analy	zed: 11/1	4/03			
Perchlorate	10.7	4.0	ug/L	12.5	ND	85.6	80-120			
Matrix Spike Dup (3K14003-MSD1)	Sou	rce: A3K1	010-01	Prepare	d & Analy	zed: 11/1	4/03	1		
Perchlorate	10.1	4.0	ug/L	12.5	ND	80.8	80-120	5.77	15	





Client Name: Sierra Laboratories Contact: Tracy Collins

Address: 26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Analytical Report: Page 4 of 4
Project Name: No Project
Project Number: Project #0311122

Report Date: 18-Nov-2003

Work Order Number: A3K1010

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit (RDL)

NR Not Reported

RDL = Reportable Detection Limit

MDL = Method Detection Limit

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

James K. Babcock ☐ Allison Mackenzie ☐ Lawrence J. Chrystal President ☐ General Manager ☐ Laboratory Director

cc:

Standard ESB Report





LABORATORY REPORT

Report No.: 140565

Purchase Order: 0311122-01

External No.:

TRACY COLLINS
SIERRA ANALYTICAL LABS INC
26052 MERIT CIRCLE STE 105
LAGUNA HILLS CA 92653

Date Received: 11-NOV-03 Date Completed: 12-NOV-03

Date Sent: 12-NOV-03

Page 1 of 1

Analytical Method: EPA 600/R-93-116

RESULTS TABLE

Sample Count (1) / Separable Layers (1)

Sample No.	Description	Sample Homogeneity	Asbestos Fibers	Nonasbestos Fibers
0311122-01 (ashed)	WATER	100 %	BELOW LIMIT OF DETECTION	

Remarks : Sample(s) and sampling data as provided

by TRACY COLLINS

AIHA ELLAP Accreditation No.: 10985

AIHA Accreditation No.: 172
California ELAP No.: 1406
NVLAP Accreditation No.: 101384

Analyst: CHRISC / AR

Asbestos PLM Supervisor, Donald R.

Technical Approval: Jai Stute - Ly L

Laboratory Director, Jaime Steedman-Lyde

Bissing, PhD

10771 Noel St., Los Alamitos, CA 90720 714/220-3922 Fax 714/220-2081 e-mail hsa@healthscience.com

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without written authorization is prohibited.



TECHNICAL AND ADVISORY SERVICES • ENVIRONMENTAL HEALTH AND SAFETY

TYPE OF ANALYSIS REQUESTED:

Identification/Quantitation of Asbestos in Bulk Material.

METHOD OF ANALYSIS:

Sample(s) were analyzed according to guidelines for polarized light microscopy (PLM) set forth in the EPA "Method for the Determination of Asbestos in Bulk Building Materials", EPA 600/R-93-116 (equivalent to EPA 600/M4-8-020, Dec., 1982)

SENSITIVITY OF ANALYTICAL METHOD:

Limit of detection/quantitation = 1% asbestos. The method employed was designed to reliable detect and quantify asbestos in bulk samples if present in concentrations of 1% or greater. The method may detect asbestos when present in concentrations below the method's established level of quantitation (1%). In such cases, the asbestos concentration is reported as "<1%". If quantitation below the 1% level is desired, analysis by either point count or transmission electron microscopy methods should be performed.

CLIENT COLLECTION DATA:

To the extent such data was provided by the client, sample locations and descriptions, sampler name and signature, and client instructions are shown on the copy of the client's laboratory sample submittal/chain of custody form(s) that accompany this report.

RESULTS TABLE:

The enclosed Results Table lists for each sample the following data: client identification number, description, homogeneity, type(s) and concentration(s) of asbestos fibers detected, and type(s) and concentration(s) of non-asbestos fibers detected.

Sample homogeneity is presented in one of the following ways: (1) "100%)" = homogeneous sample; (2) "Composite" = non-homogeneous sample in which components were analyzed separately, but reported results represent a composite of the entire sample; or (3) each component listed by description and percentage of the entire sample followed by analytical findings for each component.

There are six types of regulated asbestiform minerals: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite. The asbestos type(s) and their concentration(s) determined for samples of this report are given in the "Asbestos Fibers" column. For samples in which no asbestos fibers were detected, the term "BELOW LIMIT OF DETECTION" appears in the "Asbestos Fibers" column

Asbestos concentration is expressed either as (1) the percentage observed or (2) "<1%" for samples in which asbestos was detected but in quantities less than the established level of quantitation (1%) of the analytical method employed.

The "Nonasbestos Fibers" column identifies non-asbestos fiber types, e.g., cellulose, synthetic, fibrous glass, that were detected in the sample(s). Each fiber type is followed by its concentration.

All fiber concentration percentages were determined by calibrated visual estimate (CVE) unless otherwise stated. The remainder of the sample(s) was non-fibrous material.

FRIABILITY:

Friability was assessed for all samples submitted for identification/quantitation of asbestos by PLM. A sample friability report will be provided if requested by the client at the time of sample submission and will include only those samples found to contain asbestos.

<u>BLANKS:</u>

Blank quality control samples of SEM 1866 (fibrous glass) were analyzed on the day(s) of sample analysis. Result: No asbestos contamination of refractive index fluids was detected.

Health Science Associates is accredited for PLM bulk asbestos fiber analysis under the following programs: National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No.: 101384), California Department of Health Services-Environmental Laboratory Accreditation Program (CAL-ELAP Accreditation No.: 1406). Neither this report nor the NVLAP accreditation of this laboratory may be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

If you have any questions concerning this report or if Health Science Associates can be of further assistance, please do not hesitate to contact us.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this laboratory's name for advertising or publicity purposes without prior written authorization is prohibited.

TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES



Established 1931

14201 FRANKLIN AVENUE TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 · FAX (714) 730-6462 www.truesdail.com

REPORT

Report Date: January 6, 2004 Date Received: November 11, 2003

Laboratory No: 924270

Client: Sierra Analytical Labs, Inc.

26052 Merit Circle, Suite #105

Laguna Hills, CA 92653

Attention: Tracy Collins

Sample: Water/1
Project No: 0310103

Investigation: Gross Alpha Activity by SM7110C

Gross Beta Activity by EPA 900.0 Tritium Analysis per EPA 906.0

Strontium-90 Analysis per EPA 905.0 (by Severn Trent Labs)

Analytical Results

Sample ID	Analysis	Activity pCi/L	Two Sigma Error	MDA pCi/L	Date Analyzed
0311122-01	Gross Alpha	3.22	+/- 1.38	1.65	12/10/03
	Gross Beta	5.02	+/- 2.94	4.12	12/18/03
	Tritium	-42.5	+/- 290	485	11/16/03
• .	Strontium-90	0.15	+/- 0.70	1.53	12/18/03

Gross Alpha results are basez on a Uranium calibration curve. Gross Beta results are basez on a Cesium calibration curve.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC

Rossina Tomova, Project Manager Radiochemistry Group

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.



Environmental and Analytical Services - Since 1964

Report Date: Wednesday, November 26, 2003

Received Date: Tuesday, November 11, 2003

Received Time: 1:16 pm

Turnaround Time: Normal

Client: Sierra Analytical

26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Tracy Collins

Project: 0311122

Attn:

Phone: (949) 348-9389 FAX: (949) 348-9115

P.O.#:

Certificate of Analysis

Work Order No: 3111119-01 Sampled by: Client	Sample ID: Sampled	0311122-01 l: 11/10/03 13:30	Ma Sample	trix: Wate Note: Dan	r ice Hall-2				
Analyte	Result	Qualifier	Units	Reporting Limit	Dilution	Method	Prepared	Analyzo	ed Batch
Alachlor	ND		ug/l	1.0	1	EPA 507	11/12/03	11/14/03	hn W311290
Atrazine			ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290
Bromacil		•	ug/l	10	. 1	EPA 507	11/12/03	11/14/03	hn W311290
Butachlor.	ND		ug/l	0.38	1	EPA 507	11/12/03	11/14/03	hn W311290
Diazinon	ND	•	ug/l	0.25	l	EPA 507	11/12/03	11/14/03	hn W3111
Dimethoate	ND		ug/1	1.0	1	EPA 507	11/12/03	11/14/03	hn W311290 -
Metolachlor	ND		ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290
Metribuzin	ND		ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290
Molinate	ND		ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290 —
Prometon	ND		ug/l	1.0	.1	EPA 507	11/12/03	11/14/03	hn W311290
Prometryn	ND		ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290
Simazine			ug/l	0.50	1	EPA 507	11/12/03	11/14/03	hn W311290
Thiobencarb	ND		ug/i	1.0	1	EPA 507	11/12/03	11/14/03	hn W311290
Surrogate: 1,3-Dimethyl-2-nitrobenz	ene		90.0 %	70-1	30		11/12/03	11/14/03	hn W311290
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1	EPA 525.2	11/12/03	11/13/03	bn W311274
Bis(2-ethylhexyl)adipate	ND		ug/l	5.0	1	EPA 525.2	11/12/03	11/13/03	bn W311274
Benzo (a) pyrene	ND		ug/l	0.10	1	EPA 525.2	11/12/03	11/13/03	bn W311274
Surrogate: 1,3-Dimethyl-2-nitrobenz	tene		106 %	70-1	30		11/12/03	11/13/03	bn W311274
Surrogate: Perylene-d12			93.8 %	70-1	30		11/12/03	11/13/03	bn W311274
Surrogate: Triphenyl phosphate			86.2 %	70-1	30		11/12/03	11/13/03	bn W311274
Aldicarb sulfoxide	ND		ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp W311376
Aldicarb sulfone	ND		ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp W311376 -
Oxamyl	ND		ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp W311376
Methornyl	ND		ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp W311376
3-Hydroxycarbofuran	ND		ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp .W311376
Aldicarb	ND		ug/l	2.0	ı	EPA 531.1	11/17/03	11/17/03	hp W311376
Propoxur (Baygon)	ND		ug/i	5.0	i	EPA 531.1	11/17/03	11/17/03	hp W311376
Carbofuran	ND		ug/l	5.0	1	EPA 531.1	11/17/03	11/17/03	hp W311376
Carbaryl	ND	•	ug/l	2.0	1	EPA 531.1	11/17/03	11/17/03	hp_W311?
Methiocarb		•	ug/l	3.0	1	EPA 531.1	11/17/03	11/17/03	hp W3113,.
Glyphosate	ND		ug/l	6.0	. 1	EPA 547	11/13/03	11/13/03	hp W311314 —

Lab#: 3111119

Page 1 of 8



Environmental and Analytical Services - Since 1964

Certificate of Analysis

Work Order No: 3111119-01 Sampled by: Client Sample ID: 0311122-01 Sampled: 11/10/03 13:30

Matrix: Water

Sample Note: Dance Hall-2

Reporting

				reporting					
Analyte	Result	Qualifier	Units	Limit	Dilution	Method	Prepared	Analyzed	Batch
Endothall	ND	O-05	ug/l	45	1	EPA 548.1	11/21/03	11/25/03 e	m W311614
Diquat	ND		ug/l	4.0	1	EPA 549.2	11/14/03	11/14/03	hp W311340
Paraquat	ND		ug/l	4.0	1	EPA 549.2	11/14/03	11/14/03	hp W311340



Environmental and Analytical Services - Since 1964

Quality Control Report

Weck Laboratories, Inc.

Glyphosate by EPA 547 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W311314 - EPA 547 - di	LC. Lilli.	-	·						
Blank (W311314-BLK1)					Prepared	l & Analyz	zea: 11/13/		
Glyphosate	•••••	ND		ug/l	,				
LCS (W311314-BS1)					Ртерагес	l & Analyz	zed: 11/13/	03	
Glyphosate	•••••	22.6		ug/l	20.0	113	69-129		
Matrix Spike (W311314-MS1)		Source	ce: 3111120-01		Prepared	l & Analyz	zed: 11/13/	03	
Glyphosate	ND	20.4		ug/l	20.0	102	69-129		
Matrix Spike Dup (W311314-MS)	D 1)	Sour	ce: 311112 0-0 1		Prepared	i & Analyz	zed: 11/13/	03	
Glyphosate		19.9		ug/l	20.0	99.5	69-129	2.48	30
Gryphosate			aboratories,	-	20.0	22.0	-,		50
	N &	P Pesticides b			ontrol				
	Sample	oc		-	Spike		0/BEC		RPD
Analyte	Result	QC Result	Qualifier	Units	Level	%REC	%REC Limits	RPD	Limit
Batch W311290 - EPA 3510C									
Blank (W311290-BLK1)					Prepared	i: 11/12/03	Analyze	i: 11/14/0	3
Alachlor		ND		ug/l					
Atrazine		ND		ug/l	•				
Bromacil		ND	•	ug/l					
Butachlor		ND		ug/l				4	
Diazinon		ND		ug/l					
Dimethoate		ND		ug/l					
Metolachlor		ND	1	u g/l					
Metribuzin		ND		ug/l			*		
Molinate		ND		ug/l					
Prometon		ND	•	ug/l					
Prometryn		ND		ug/l					
Simazine		ND		ug/I					
Thiobencarb		ND	2.71	ug/l	1.50	0.4.4	70 120		
Surrogate: 1,3-Dimethyl-2-nitrobenzen	e		2.11	ug∕I	2.50	64.4	70-130		
LCS (W311290-BS1)					Preparec	i: 11/12/03	Analyze	i: 11/14/0	3
Alachlor		2.79		ug/l	4.00	69.8	25-160		
Atrazine		0.665		ug/l	1.00	66.5	22-156		
Bromacil		14.3		ug/l	20.0	71.5	28-168		
Butachlor		1.47		ug/l	2.00	73.5	23-160		
Diazinon		0.771		ug/l	1.00	77.1	14-157		
		1.20			2.00	69.5	34-138		
Metolachlor	•••••	1.39		ug/l	2.00	. 05.5	J -1 -1J6		



Environmental and Analytical Services - Since 1964

Quality Control Report Weck Laboratories, Inc

N & P Pesticides by EPA 507 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPI Lim
Batch W311290 - EPA 351	10 C								
.CS (W311290-BS1)					Prepared	: 11/12/03	Analyzed:	11/14/03	
Aetribuzin		1.46	•	սջ/1	2.00	73.0	44-132		
Molinate		0.684		ug/!	1.00	68.4	24-163		
rometryn		0.683		ug/l	1.00	68.3	21-160		
imazine		0.711	•	ug/l	1.00	71.1	29-162		
hiobencarb		2.82		ug/l	4.00	70.5	33-154		
urrogate: 1,3-Dimethyl-2-nitrobe			1.88	ug/l	2.50	75.2	70-130		
Matrix Spike (W311290-MS1	N.	Sour	ce: 3110528-03		Prepared	: 11/12/03	Analyzed:	11/14/03	
lachlor		3.40		ug/l	4,00	85.0	60-130		
Atrazine		1.01		ug/l	1.00	82.0	57-127		
Bromacil	***********	18.1		ug/l	20.0	90.5	56-126		
Butachlor		1.79		ug/l	2.00	89.5	58-128		
Diazinon		0.921		ug/l	1.00	92.1	58-128		
fetolachlor		1.67		ug/l	2.00	83.5	23-149		
Metribuzin		1.81		ug/l	2.00	90.5	66-136		
Molinate	and the second s	0.842		ug/l	1.00	84.2	63-133		
Prometryn		0.866		ug/i	1.00	86.6	58-128		
Simazine		1.12	•	ug/l	1.00	80.0	65-135	•	
Thiobencarb		3.38		ug/l	4.00	84.5	26-167		
Surrogate: 1,3-Dimethyl-2-nitrobe		3.36 ,	2.30	ug/i	2.50	92.0	70-130		
Matrix Spike Dup (W311290		Sour	ce: 3110528-03	·	Prepared	: 11/12/03	Analyzed:	11/14/03	
Alachlor		2.99		ug/l	4.00	74.8	60-130	12.8	30
Atrazine	•	0.881		ug/l	1.00	69.1	57-127	13.6	30
Bromacil		16.1	•	ug∕l	20.0	80.5	56-126	11.7	30
Butachlor		1.65		ug/l	2.00	82.5	58-128	8.14	30
Diazinon		0.807	•	ug/l	1.00	80.7	58-128	13.2	30
Metolachlor	•	1.57		ս ց /1	2.00	78.5	23-149	6.17	30
Metribuzin		1.55		ug/l	2.00	77.5	66-136	15.5	30
Molinate		0.757		ug/i	1.00	75.7	63-133	10.6	30
Prometryn		0.741		ug/l	1.00	74.1	58-128	15.6	30
Simazine		0.985		ug/l	1.00	66.5	65-135	12.8	30
Thiobencarb		3.12		ug/l	4.00	78.0	26-167	8.00	30
Surrogate: 1,3-Dimethyl-2-nitrobe		5.12	1.91	ug/l	2.50	76.4	70-130	5.55	20
J		Weck I	aboratories	•					
	Er	idothall By E		•	trol				
	Sample	QC			Spike		%RFC		RPI
Analyte	Result	Result	Qualifier	Units	Level	%REC_	%REC Limits	RPD	Lim

Batch W311614 - EPA 548.1

Lab#: 3111119



invironmental and Analytical Services - Since 1964

Quality Control Report

Weck Laboratories, Inc.

Endothall By EPA 548.1 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W311614 - EPA 548	9 1								•
Blank (W311614-BLK1)					Prepared	l: 11/21/03	Analyzec	1- 11/25/03	3
Endothall		ND		ug/l	<u> </u>		1 1111 / 200	<u> 11,25,0.</u>	
LCS (W311614-BS1)			•		Prepared	l: 11/21/03	Analyzed	l: 11/25/03	3
Endothall		48.4		ug/l	100	48.4	17-144		
Matrix Spike (W311614-MS)	1)	Sour	ce: 3111119-01	<u> </u>	Prepared	l: 11/21/03	Analyzed	I: 11/25/03	3
Endothall	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	33.8		ug/l	100	33.8	0.1-132		
Matrix Spike Dup (W311614	-MSD1)	Sour	ce: 3111119-01		Prepared	l: 11/21/03	Analyzed	l: 11/25/03	3
Endothall	ND	29.8		ug/l	100	29.8	0.1-132	12.6	30
		Weck L	aboratories,	Inc					
	Diquat a	and Paraquat	by EPA 549.2	- Quality	Control	i			
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W311340 - EPA 549	9.2	<u> </u>				···		·	
.CS (W311340-BS1)				• ••••••	Prepared	& Analyz	ed: 11/14/	03	
Diquat	••••	17.6		ug/l	20.0	88.0	70-130		
araquat		16.0		ug/l	20.0	80.0	70-130		
Matrix Spike (W311340-MS1)		Sour		Prepared & Analyzed: 11/14/03					
Diquat	ND	22.2		ug/l	20.0	111	70-130		
araquat		22.3		ug/l	20.0	112	70-130		
Matrix Spike Dup (W311340-MSD1)		Sour		Prepared & Analyzed: 11/14/03					
Diquat		22.0		ug/l	20.0	110	70-130	0.905	30
Paraquat		21.3		ug/i	20.0	106	70-130	4.59	30
araquat			aboratories,	•	20.0	.00		,	30
c	emivolatile Orgai		•		.2 - Quali	ity Cont	rol		
. 3		00	•		Spike		e/BEC		RPD
	Sample						%REC	RPD	Limit
	Sample Result	QC Result	Qualifier	Units	Level	%REC	Limits	KFD .	Limit
Analyte	Result		Qualifier	Units	Level_	%REC	Limis	KFD .	Linux
Analyte Batch W311274 - EPA 52	Result		Qualifier	Units		%REC		· · · · · · · · · · · · · · · · · · ·	
Analyte Batch W311274 - EPA 52 Blank (W311274-BLK1)	Result	Result	Qualifier	-				· · · · · · · · · · · · · · · · · · ·	
Analyte Batch W311274 - EPA 522 Blank (W311274-BLK1) Bis(2-ethylhexyl)phthalate	Result		Qualifier	ug/l				· · · · · · · · · · · · · · · · · · ·	
Analyte Batch W311274 - EPA 524 Blank (W311274-BLK1) Bis(2-ethylhexyl)phthalate Bis(2-ethylhexyl)adipate Benzo (a) pyrene	Result 5.2	Result ND	Qualifier	-				· · · · · · · · · · · · · · · · · · ·	



Environmental and Analytical Services - Since 1964

Quality Control Report

Weck Laboratories, Inc

Semivolatile Organic Compounds by EPA Method 525.2 - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W311274 - EPA 525.2									
Blank (W311274-BLK1)	·•.		****		Prepared	l: 11/12/03	Analyzed	d: 11/13/0	3
Surrogate: 1,3-Dimethyl-2-nitrobenzene	:		5.76	ug/l	5.00	115	70-130		
Surrogate: Perylene-d12			4.31	ug/l	5.00	86.2	70-130		
urrogate: Triphenyl phosphate			4.84	ug/l	5.00	<i>96</i> .8	70-130		
CS (W311274-BS1)	<u></u>			·	Prepared	1: 11/12/03	Analyzed	<u>1: 11/13/0</u>	3
Bis(2-ethylhexyl)phthalate		6.39		ug/l	5.00	128	70-130		
Bis(2-ethylhexyl)adipate		6.32	<i>±</i>	ug/l	5.00	126	70-130		
Benzo (a) pyrene		4.34		ug/l	5.00	86.8	70-130		
urrogate: 1,3-Dimethyl-2-nitrobenzene			5.50	ug/l	5.00	110	70-130		
urrogate: Perylene-d12			5.12	ug/l	5:00	102	70-130		
urrogate: Triphenyl phosphate			5.14	ug/l	5.00	103	70-130		
CS Dup (W311274-BSD1)	,				Prepared	: 11/12/03	Analyzed	l: 11/13/0	3
is(2-ethylhexyl)phthalate	•	6,06		ug/l	5.00	121	70-130	5.30	30
sis(2-ethylhexyl)adipate		6.44	•	ug/i	5.00	129	70-130	1.88	30
		5.30		ug/i ug/i	5.00	106	70-130	19.9	30
enzo (a) pyreneurrogate: 1,3-Dimethyl-2-nitrobenzene		3.30	5.70	ug/l	5.00	114	70-130	17.7	50
urrogate: 1,5-Dimetnyi-2-ntirovenzene			4.52	ug/l	5.00	90.4	70-130 70-130		
Domilano d12				uz/i	2.00	70.7	70-130		
urrogate: Perylene-d12 urrogate: Triphenyl phosphate	Carbamates		5.47 Laboratories, EPA Method	ug/l Inc	5.00 nality Co	109 ntrol	70-130		
urrogate: Triphenyl phosphate	Sample	in Water by l	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu	nality Con	ntrol		RPD	
urrogate: Triphenyl phosphate			5.47 Laboratories,	ug/l Inc	iality Co		70-130 %REC Limits	RPD	
urrogate: Triphenyl phosphate Apalyte	Sample Result	in Water by l	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu	nality Con	ntrol		RPD	
urrogate: Triphenyl phosphate Analyte Satch W311376 - EPA 531.1- d	Sample Result	in Water by l	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu	Spike Level	ntrol %REC			
urrogate: Triphenyl phosphate Malyte Match W311376 - EPA 531.1 - d Mank (W311376-BLK1) Maldicarb sulfoxide	Sample Result	in Water by l	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu	Spike Level	ntrol %REC	%REC Limits		
urrogate: Triphenyl phosphate Malyte Match W311376 - EPA 531.1 - d Mank (W311376-BLK1) Maldicarb sulfoxide	Sample Result	QC Result	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units	Spike Level	ntrol %REC	%REC Limits		
arrogate: Triphenyl phosphate Analyte Satch W311376 - EPA 531.1- d slank (W311376-BLK1) sldicarb sulfoxide	Sample Result	QC Result	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units	Spike Level	ntrol %REC	%REC Limits		
arrogate: Triphenyl phosphate Satch W311376 - EPA 531.1- d slank (W311376-BLK1) sldicarb sulfoxide	Sample Result	QC Result ND ND	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units ug/l ug/l	Spike Level	ntrol %REC	%REC Limits		
Analyte Satch W311376 - EPA 531.1- d Slank (W311376-BLK1) Idicarb sulfoxide	Sample Result	QC Result ND ND ND	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units ug/l ug/l ug/l ug/l	Spike Level	ntrol %REC	%REC Limits		
Analyte Satch W311376 - EPA 531.1- d Slank (W311376-BLK1) Idicarb sulfoxide	Sample Result	OC Result ND ND ND ND ND ND	5.47 Laboratories, EPA Method 5	ug/! Inc 531.1 - Qu Units ug/! ug/! ug/! ug/! ug/!	Spike Level	ntrol %REC	%REC Limits		
Analyte Satch W311376 - EPA 531.1- d slank (W311376-BLK1) sldicarb sulfoxide	Sample Result	OC Result ND ND ND ND ND ND ND ND ND	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l	Spike Level	ntrol %REC	%REC Limits		
Analyte Satch W311376 - EPA 531.1 - delank (W311376-BLK1) Idicarb sulfoxide	Sample Result	OC Result ND	5.47 Laboratories, EPA Method 5	ug/! Inc 531.1 - Qu Units ug/! ug/! ug/! ug/! ug/! ug/! ug/! ug/	Spike Level	ntrol %REC	%REC Limits		
arrogate: Triphenyl phosphate atch W311376 - EPA 531.1- d lank (W311376-BLK1) ldicarb sulfoxide	Sample Result	ND N	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level	ntrol %REC	%REC Limits		
arrogate: Triphenyl phosphate atch W311376 - EPA 531.1 - d lank (W311376-BLK1) ldicarb sulfoxide	Sample Result	ND N	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level	ntrol %REC	%REC Limits		
atch W311376 - EPA 531.1- d lank (W311376-BLK1) ldicarb sulfoxide	Sample Result	ND N	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level Prepared	%REC & Analyz	%REC Limits	03	
urrogate: Triphenyl phosphate	Sample Result	ND N	5.47 Laboratories, EPA Method 5 Qualifier	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level Prepared	%REC & Analyz	%REC Limits	03	RPD Limit
arrogate: Triphenyl phosphate atch W311376 - EPA 531.1- d lank (W311376-BLK1) Idicarb sulfoxide Idicarb sulfone Examyl Iethomyl Iethomyl Iethorycycarbofuran Idicarb Iarbofuran Iarbofuran Iarbaryl Iethiocarb CS (W311376-BS1) Idicarb sulfoxide	Sample Result	ND N	5.47 Laboratories, EPA Method 5	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level Prepared	%REC & Analyz	%REC Limits ed: 11/17/4	03	
Analyte Satch W311376 - EPA 531.1- d slank (W311376-BLK1) sldicarb sulfoxide sldicarb sulfone bxamyl fethomyl -Hydroxycarbofuran sldicarb cropoxur (Baygon) carbaryl fethiocarb fethiocarb	Sample Result	ND N	5.47 Laboratories, EPA Method 5 Qualifier	ug/l Inc 531.1 - Qu Units Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	Spike Level Prepared Prepared 10.0	%REC & Analyz & Analyz 123	%REC Limits ed: 11/17/4	03	



Environmental and Analytical Services - Since 1964

Quality Control Report



Authorized Signature

ELAP #1132 LACSD#10143

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.

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

ND=Not detected, below the reporting limit.

Sub=Subcontracted analysis, original report enclosed.

Flags for Data Qualifiers:

-0-05 = This sample was extracted outside of the EPA recommended holding time.

Q-08 = This analyte bias high in QC sample, but not found in samples.

.



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CVWD#1	0502045-01	Water	02/02/05 14:00	02/02/05 15:00
Dance Hall	0502045-02	Water	02/02/05 14:40	02/02/05 15:00
Kinoshita	0502045-03	Water	02/02/05 14:10	02/02/05 15:00
SBJA #4	0502045-04	Water	02/02/05 13:40	02/02/05 15:00
Tirador	0502045-05	Water	02/02/05 14:20	02/02/05 15:00
SBJA #2	0502045-06	Water	02/02/05 13:50	02/02/05 15:00

CASE NARRATIVE

SAMPLE RECEIPT:

Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION:

Samples requiring preservation were verified prior to sample preparation and analysis.

HOLDING TIMES:

All holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC CRITERIA:

All quality objective criteria were met, except as noted in the report with data qualifiers.



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	r Sampled: 02/02/05 14:00	Receive	ed: 02/02/0	5 15:00					<u></u>
Plate Count (1 ml) Total Coliforms	17 Absent	1 0.0	CFU/mL P/A	1	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	
Dance Hall (0502045-02) Wate	er Sampled: 02/02/05 14:40) Receiv	ed: 02/02/	05 15:00					
Plate Count (1 ml) Total Coliforms	47 Absent	1 0.0	CFU/mL P/A	1	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Receive	d: 02/02/0	5 15:00		9			
Plate Count (1 ml) Total Coliforms	8 Absent	1 0.0	CFU/mL P/A	1 "	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received	: 02/02/05	15:00					
Plate Count (1 ml) Total Coliforms	41 Absent	1 0.0	CFU/mL P/A	1	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	
Tirador (0502045-05) Water	Sampled: 02/02/05 14:20	Received:	02/02/05	15:00					
Plate Count (1 ml) Total Coliforms	63 Absent	1 0.0	CFU/mL P/A	1	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received	: 02/02/05	15:00					
Plate Count (1 ml) Total Coliforms	22 Absent	0.0	CFU/mL P/A	1	B5B0315	02/02/05	02/02/05	SM 9215B SM 9223B	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Sierra Analytical Labs, Inc.													
Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes				
CVWD #1 (0502045-01) Water	Sampled: 02/02/05 14:00	Receiv	ed: 02/02/05	5 15:00									
Total Alkalinity	316	0.400	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 310.1					
Carbonate Alkalinity	ND	0.400	H	п	n	II .	H	11					
Bicarbonate Alkalinity	316	0.400	и	. 11	n	n	17	**					
Hydroxide Alkalinity	ND	0.400	н	11	11	**	11	II .					
Chloride	255	0.500	. "	н	u	**	11	SM 4500-Cl-B					
Color	1.00	1.00	Color Units	**	u	"	II.	EPA 110.2					
Specific Conductance (EC)	2110	0.100	μmhos/cm	17	n n	u	ıı	EPA 120.1					
Cyanide (total)	ND	0.0200	mg/L	11	**	н	n	EPA 335,2					
Fluoride	0.390	0.0200	R	IP	n		n	EPA 340.1					
Total Hardness	786	0.400	ır	и .	**	'n	it	SM 2340					
Methylene Blue Active Substances	ND	0.100	и .	н	**	17	. 11	EPA 425.1					
Odor	1.00	1.00	T.O.N.		tr .	u	. "	EPA 140.1					
pH	6.81	0.100	pH Units	"	u ·	u	11	EPA 150,1					
Sulfate as SO4	500	0.500	mg/L	"		ш	11	EPA 375.4					
Total Dissolved Solids	1480	1.00	. "	"	"	n	n	EPA 160.1	•				
Turbidity	0.880	0.0200	NTU	"	**	н ,	" /	EPA 180.1					
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:40	Recei	ved: 02/02/0	5 15:00									
Total Alkalinity	440	0.400	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 310.1					
Carbonate Alkalinity	ND	0.400	ii	H	II.	u	. "	n					
Bicarbonate Alkalinity	440	0.400	н	H	II .	н	u u	"					
Hydroxide Alkalinity	ND	0.400	, n	11	n	н	II .	u ·					
Chloride	278	0.500	n	u	Ħ	ø	н	SM 4500-CI-B					
Color	1.00	1.00	Color Units	u	tτ	ir `	Ħ	EPA 110.2					
Specific Conductance (EC)	3090		µmhos/cm	п	11	"	ш	EPA 120.1					
Cyanide (total)	ND	0.0200	mg/L	n	н	II .	u	EPA 335.2					
Fluoride	0.630	0.0200	"	н	n	. 11	n	EPA 340.1					
Total Hardness	1020	0.400	II .	Ħ	II .	н	n	SM 2340					
Methylene Blue Active Substances		0.100	n .	It	11	н	Ħ	EPA 425.1					
Odor	1.00 -	1.00	T.O.N.	11	"	**	11	EPA 140.1					
pH	6.97	0.100		. 11	11	a .	ıı	EPA 150.1					
Sulfate as SO4	750	0.500	mg/L		u	u	11	EPA 375.4					
Total Dissolved Solids	2240	1.00	"	u	п	n	"	EPA 160.1					
Turbidity	29.3	0.0200	NTU	u	11	n	tt	EPA 180.1					
·						*							



ECO Resources Inc. 32470 Paseo Adelanto

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

San Juan Capistrano CA, 92675

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Receive	ed: 02/02/05	15:00					
Total Alkalinity	340	0.400	_	1	B5B0318	02/02/05	02/02/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400		If	"	n n	Ħ		
Bicarbonate Alkalinity	340	0.400		11	н	н .	n	ıı	1. 1. 1
Hydroxide Alkalinity	ND	0.400		" .	**	19	11	п	
Chloride	225	0.500		"	. **	11	"	SM 4500-CI-B	
Color	1.00		Color Units	II	17	17	u	EPA 110.2	
Specific Conductance (EC)	2080	0.100	•	11	и	II.	II .	EPA 120.1	
Cyanide (total)	ND	0.0200	_	11	"	п	"	EPA 335.2	
Fluoride	0.250	0.0200		n	н	II .	"	EPA 340.1	
Total Hardness	784	0.400		n	H	н	n	SM 2340	
Methylene Blue Active Substance		0.100		n .	Ħ	н	U	EPA 425.1	
Odor	1.00	1.00		19	n	п	11	EPA 140.1	
рН	7.05	0.100	•	11	Ħ	17	11	EPA 150.1	•
Sulfate as SO4	500	0.500	_	19	11"	17	"	EPA 375.4	
Total Dissolved Solids	1480	1.00		It .	"	u		EPA 160.1	
Turbidity	27.2	0.0200	NTU	"	II .		II	EPA 180.1	
SBJA #4 (0502045-04) Water S	Sampled: 02/02/05 13:40	Received	1: 02/02/05 1	15:00					
Total Alkalinity	334	0.400	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	Tr.	**	# .	**	11	"	
Bicarbonate Alkalinity	334	0.400	11	**	**	77	it	u u	
Hydroxide Alkalinity	ND	0.400	st	н .	**	11	II	II .	
Chloride	289	0.500	st	."	"	11	n	SM 4500-Cl-B	
Color	1.00	1.00	Color Units	17	"	ıı	11	EPA 110.2	
Specific Conductance (EC)	2500	0.100	μmhos/cm			"	"	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	н	11	. "	"	EPA 335.2	
Fluoride	0.250	0.0200	H	11	н	19	II	EPA 340.1	
Total Hardness	848	0.400	п	19	n	11	. "	SM 2340	
Methylene Blue Active Substance	s ND	0.100	н	0	n	II .	"	EPA 425.1	
Odor	1.00	1.00	T.O.N.	**	It	II .	" .	EPA 140.1	
pН	6.98	0.100	pH Units	н		II .	u ,	EPA 150.1	
Sulfate as SO4	650	0.500	mg/L	11	. 11	н	II .	EPA 375.4	
Total Dissolved Solids	1770	1.00			u .	n	н	EPA 160.1	
Turbidity	5.70	0.0200	NTU	н		11	и .	EPA 180.1	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Tirador (0502045-05) Water	Sampled: 02/02/05 14:20	Received	: 02/02/05 1	5:00					
Total Alkalinity	326	0.400	mg/L	. 1	B5B0318	02/02/05	02/02/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	Ħ	. "	n	11	, n	"	
Bicarbonate Alkalinity	326	0.400	n	10	If	11	n	и	
Hydroxide Alkalinity	ND	0.400	11	II .	Ħ	II .	n	ii	
Chloride	324	0.500		"	11	II .	III	SM 4500-CI-B	
Color	1.00	1.00	Color Units	u'	и,	"	in '	EPA 110.2	
Specific Conductance (EC)	3370	0.100	μmhos/cm	Ħ	II	11	. #	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	n	. 11	II .	ij	EPA 335.2	
Fluoride	0.800	0.0200	Ħ	18	#	н	. "	EPA 340.1	
Total Hardness	918	0.400	11	11	. **	н	#	SM 2340	
Methylene Blue Active Substane	ces ND	0.100	"	11	. "	**	"	EPA 425.1	
Odor	1.00	1.00	T.O.N.	н	II .	11	"	EPA 140.1	
pH	6.99	0.100	pH Units	n	n	II .	ti.	EPA 150.1	
Sulfate as SO4	1000	0.500	mg/L	, 19	**	n	11	EPA 375.4	
Total Dissolved Solids	2410	1.00	11	11	"	٠.	u u	EPA 160.1	
Turbidity	17.3	0.0200	NTU	a .	. 11	1f	11	EPA 180.1	
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received	i: 02/02/05	15:00					
Total Alkalinity	402	0.400	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 310.1	-
Carbonate Alkalinity	ND -	0.400	н	17	ш	11	H	II .	
Bicarbonate Alkalinity	402	0.400	н	. 0	11	"	, H	n	
Hydroxide Alkalinity	ND	0.400	н.	u	n	ш	11	19	
Chloride	248	0.500	II.	. "	Ħ	m .	II .	SM 4500-Cl-B	
Color	1.00	1.00	Color Units	17	u	Ħ	II	EPA 110.2	
Specific Conductance (EC)	2350	0.100	μmhos/cm	17	II	ti .	"	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	u	11	II .	tt	EPA 335.2	
Fluoride	0.250	0.0200	11		11	m	11	EPA 340.1	
Total Hardness	816	0.400	II ·	Ħ	11	11	n	SM 2340	
Methylene Blue Active Substane	ces ND	0.100	II .	17	u	11		EPA 425.1	
Odor	1.00	1.00	T.O.N.	11	n	. "	II .	EPA 140.1	
pH	6.98	0.100	pH Units	n	**	н	**	EPA 150.1	
Sulfate as SO4	575	0.500	mg/L		u	"	"	EPA 375.4	
Total Dissolved Solids	1660	1.00	"	"	"	u		EPA 160.1	
Turbidity	2.60	0.0200	NTU	н		n	#1	EPA 180.1	



ECO Resources Inc. 32470 Paseo Adelanto San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	r Sampled: 02/02/05 14:00	Received	1: 02/02	/05 15:00					
Langlier's Index	+0.02		N/A	1	B5B0318	02/02/05	02/02/05	Calculation	
Dance Hall (0502045-02) Wate	er Sampled: 02/02/05 14:4	0 Receive	d: 02/02	2/05 15:00					
Langlier's Index	+0.39		N/A	1	B5B0318	02/02/05	02/02/05	Calculation	
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Received	: 02/02/	05 15:00					1
Langlier's Index	+0.33		N/A	1	B5B0318	02/02/05	02/02/05	Calculation	
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received:	02/02/0	5 15:00					
Langlier's Index	+0.26		N/A	I	B5B0318	02/02/05	02/02/05	Calculation	
Tirador (0502045-05) Water	Sampled: 02/02/05 14:20	Received: (02/02/05	15:00					
Langlier's Index	+0.24		N/A	1	B5B0318	02/02/05	02/02/05	Calculation	
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received:	02/02/0	5 15:00					
Langlier's Index	+0.32		N/A	1	B5B0318	02/02/05	02/02/05	Calculation	



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported:

02/17/05 13:26

Anions by EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	Sampled: 02/02/05 14:00	Receive	d: 02/02/	05 15:00					
Nitrate as N Nitrate as NO3	1.50 6.67	0.0200 0.100	mg/L	· -1	B5B0318	02/02/05	02/02/05	EPA 300.0	
Dance Hall (0502045-02) Wate	r Sampled: 02/02/05 14:40	Receiv	ed: 02/02	/05 15:00					
Nitrate as N Nitrate as NO3	1.10 4.89	0.0200 0.100	mg/L	I	B5B0318	02/02/05	02/02/05	EPA 300.0	
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Receive	d: 02/02/0	05 15:00				•	
Nitrate as N Nitrate as NO3	0.800 3.56	0.0200 0.100	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 300.0	
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received	: 02/02/0:	5 15:00					
Nitrate as N Nitrate as NO3	0.500 2.22	0.0200 0.100	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 300.0	
Tirador (0502045-05) Water	Sampled: 02/02/05 14:20 F	Received:	02/02/05	15:00					
Nitrate as N Nitrate as NO3	0.700 3.11	0.0200 0.100	mg/L "	1	B5B0318	02/02/05	02/02/05	EPA 300.0	
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received	: 02/02/0:	5 15:00					
Nitrate as N Nitrate as NO3	1.20 5.34	0.0200 0.100	mg/L	1	B5B0318	02/02/05	02/02/05	EPA 300.0	



ECO Resources Inc. 32470 Paseo Adelanto San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Total Organic Carbon (TOC) by SM 5310 B

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	Sampled: 02/02/05 14:00	Receive	1: 02/02/	05 15:00					
Total Organic Carbon	ND	0.50	mg/L	1	B5B0913	02/02/05	02/08/05	SM 5310 B	
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:40	Receive	ed: 02/02	/05 15:00					
Total Organic Carbon	ND	0.50	mg/L	1	B5B0913	02/02/05	02/08/05	SM 5310 B	
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Received	: 02/02/0	05 15:00					
Total Organic Carbon	ND	0.50	mg/L	1	B5B0913	02/02/05	02/08/05	SM 5310 B	
SBJA #4 (0502045-04) Water S	Sampled: 02/02/05 13:40	Received:	02/02/05	5 15:00					
Total Organic Carbon	ND	0.50	mg/L	1	B5B0913	02/02/05	02/08/05	SM 5310 B	
Tirador (0502045-05) Water S	ampled: 02/02/05 14:20 F	Received:	02/02/05	15:00					
Total Organic Carbon	ND	0.50	mg/L	1	B5B0913	02/02/05	02/08/05	SM 5310 B	
SBJA #2 (0502045-06) Water S	Sampled: 02/02/05 13:50	Received:	02/02/05	5 15:00					
Total Organic Carbon	ND	0.50	mg/L	I ·	B5B0913	02/02/05	02/08/05	SM 5310 B	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result [*]	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	Sampled: 02/02/05 14:00	Receive	d: 02/02/0	5 15:00					
Silver	ND	0.0030	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200.7	
Aluminum	ND	0.063	. #	n	n .		02/08/05	**	
Arsenic	ND	0.025	н .	II .	11		02/08/05		
Barium	0.054	0.019	н			ii	ıı	n	
Beryllium	ND	0.0090	и .	II .	11	u	02/08/05	. "	
Calcium	220	0.53	п	ш	15	11	02/08/05	**	
Cadmium	ND	0.0040	II	п	11	п	02/08/05	**	
Chromium	ND	0.0060	II .	н	tt.	II	11	H	
Copper	ND	0.012	II .	п	11	n	02/08/05	**	
Iron	0.094	0.064	u	и '	lf.	11	02/08/05	"	
Mercury	ND	0.00073	II.	и	B5B0826	02/08/05	02/09/05	EPA 245.1	
Potassium	4.0	0.90	. IP	II	B5B0806	02/08/05	02/08/05	EPA 200.7	
Magnesium	44	0.41	n	u	lf.	n	02/08/05	11	
Manganese	0.12	0.011	# .	II	17	n	11	*	
Sodium	140	0.71	n		'n	ıı	02/08/05	#	
Nickel	· ND	0.010	n	u'	11	п	02/08/05		
Lead	ND	0.019	**	и	11	ш	**	u ·	
Antimony	ND	0.023	11	, u	11	II	11	II	
Selenium	ND	0.026	H	**	11	п	**	II .	
Silica (SiO2)	30	0.15	11	u	11	ш	02/08/05	If	
Strontium	1.1	0.089	u	11	11	u	02/08/05	п	
Thallium	ND	0.011	н	tt			02/08/05	u	
Zinc	ND	0.024	11	11	11	"		n ·	
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:4	0 Receive	ed: 02/02/	05 15:00		-			
Silver	ND	0.0030	mg/L	I	B5B0806	02/08/05	02/08/05	EPA 200.7	
Aluminum	ND	0.063	11	ır	11	n	02/08/05	ıı	
			,m		ıı	11	02/08/05	17	
Arsenic	ND	0.025	,n n		ıı	11	02/08/05	1f 16 · · · ·	
Arsenic Barium		0.025 0.019							
Arsenic Barium Beryllium	ND 0.072 ND	0.025 0.019 0.0090	II	. "	lt .	Ħ	02/08/05		
Arsenic Barium Beryllium Calcium	ND 0.072	0.025 0.019	"	n n	u , u	11	u	n · ·	
Arsenic Barium Beryllium Calcium Cadmium	ND 0.072 ND 280 ND	0.025 0.019 0.0090 0.53 0.0040	11 11	11 11 11	. u	11 11	" 02/08/05 02/08/05	H · · ·	
Arsenic Barium Beryllium Calcium Cadmium Chromium	ND 0.072 ND 280	0.025 0.019 0.0090 0.53	11 11 11	11 11 11	. u	11 11	02/08/05 02/08/05 02/08/05	n H H	• •
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper	ND 0.072 ND 280 ND ND ND	0.025 0.019 0.0090 0.53 0.0040 0.0060 0.012	11 11 11	11 11 11 11		n n n	02/08/05 02/08/05 02/08/05 "	19 · · · · · · · · · · · · · · · · · · ·	
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper	ND 0.072 ND 280 ND ND	0.025 0.019 0.0090 0.53 0.0040 0.0060	11 11 11 11	11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11	02/08/05 02/08/05 02/08/05 02/08/05 "	10 TO	
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper Iron Mercury	ND 0.072 ND 280 ND ND ND ND ND	0.025 0.019 0.0090 0.53 0.0040 0.0060 0.012 0.064 0.00073	11 11 11 11	11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	" " " " " 02/08/05	02/08/05 02/08/05 02/08/05 " 02/08/05 "	" " " EPA 245.1	
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper Iron Mercury Potassium	ND 0.072 ND 280 ND ND ND 4.2 ND	0.025 0.019 0.0090 0.53 0.0040 0.0060 0.012 0.064 0.00073 0.90	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11	" " " " " " B5B0826	11 11 11 11	02/08/05 02/08/05 02/08/05 " 02/08/05 " 02/09/05 02/08/05	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper Iron Mercury Potassium Magnesium	ND 0.072 ND 280 ND ND ND ND 4.2 ND 6.8	0.025 0.019 0.0090 0.53 0.0040 0.0060 0.012 0.064 0.00073 0.90 0.41	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11	" " " " B5B0826 B5B0806	" " " 02/08/05 02/08/05	02/08/05 02/08/05 02/08/05 " 02/08/05 "	EPA 245.1 EPA 200.7	
Arsenic Barium Beryllium Calcium Cadmium Chromium Copper Iron Mercury Potassium	ND 0.072 ND 280 ND ND ND 4.2 ND	0.025 0.019 0.0090 0.53 0.0040 0.0060 0.012 0.064 0.00073 0.90	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11	B5B0826 B5B0806	02/08/05	02/08/05 02/08/05 02/08/05 02/08/05 " 02/09/05 02/08/05 02/08/05	EPA 245.1 EPA 200.7	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:40				Datell	r. rehaten	Allalyzed	iviettion	140168
Lead	ND	0.019	mg/L	1 "	B5B0806	02/08/05	02/08/05	EPA 200.7	
Antimony	ND	0.023		"	"	" .	. "	-	
Selenium	ND	0.026	"				-	"	*
Silica (SiO2)	36	0.15	u			11	02/08/05	II .	•
Strontium	1.4	0.089	"	II	н	"	02/08/05	"	
Thallium	ND	0.011	"	n	11	11	02/08/05	11	
Zinc	ND	0.024	"	H	. "	"	. "	"	
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Received	l: 02/02/0	5 15:00					
Silver	· ND	0.0030	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200,7	
Aluminum	ND	0.063	"	u	-11 }	,н	02/08/05	It	
Arsenic	ND	0.025	n n	ıı	n	н	02/08/05	11	
Barium	0.084	0.019	и		н	"	02/08/05	11	
Beryllium	ND	0.0090	н		71		#	u	
Calcium	240	0.53	"	. "	. 44		02/08/05	n	
Cadmium	ND	0.0040	н .	*	17	tr .	02/08/05	н	
Chromium	ND	0.0060	11	**	Ħ	lt .	H-		
Copper	ND	0.012	17	11	"	"	02/08/05	11	
Iron	1.8	0.064	11	or or	II .	n			
Mercury		0.00073	It	u '	B5B0826	02/08/05	02/09/05	EPA 245.1	
Potassium	4.6	0.90	11	" .	B5B0806	02/08/05	02/08/05	EPA 200.7	
Magnesium	47	0.41	и	-0	. 11	n	02/08/05	" .	
Manganese	0.42	0.011		Ħ	**	11			
Sodium	110	0.71	U	. н	"		02/08/05	n	
Nickel	ND	0.010	п	If	u .	' п	02/08/05	n	
Lead	ND	0.019	11	u	n-	n .	If	н	
Antimony	ND	0.023	n	11	"	n	п	11	
Selenium	ND	0.026	If	u	n	11	. "	tt.	
Silica (SiO2)	29	0.15	11	u	н	11	02/08/05	II .	
Strontium	1.3	0.089	11	u	11	11	02/08/05	rı	
Thallium	ND	0.011	11	, н	. "	ш	02/08/05	н	
Zinc	ND	0.024	"	н	n	11	11	it.	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods

Sierra Analytical Labs. Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received:	02/02/05	15:00					
Silver	ND	0.0030	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200.7	
Aluminum	ND	0.063	11	11	۳.	"	"	II .	
Arsenic	ND	0.025		11	It	11	"	" -	
Barium	0.068	0.019	"	11	п	u	"	. 0	
Beryllium	ND	0.0090	н	11	н	11	11	II .	
Calcium	250	0.53	IT.	. "		n	02/08/05	H	
Cadmium	ND	0.0040	11	11	"	. #	02/08/05	n	
Chromium	ND	0.0060	u	"	"	. "	t t	II.	
Copper	ND	0.012	"	n	"	ıı	"	н	
ron	0.20	0.064	n	"	11	IT.		#	
Mercury	ND	0.00073	17	**	B5B0826	02/08/05	02/09/05	EPA 245.1	
Potassium	5.2	0.90	11	ir '	B5B0806	02/08/05	02/08/05	EPA 200.7	
Magnesium	56	0.41	ır	10	Ħ	11	02/08/05	н .	
Manganese	0.65	0.011	н	"	17	"	. "	10	
Sodium	190	0.71	II .	"	II .	11	02/08/05	rr rr	
Nickel	ND	0.010	**	II .	H	II .	02/08/05		
ead	ND	0.019	11	n	Ħ	u	ıı	"	
Antimony	ND	0.023	II .	н .	II .	. н	"	н	
Selenium	ND '	0.026	н	u	II .	11	" .	11	
Silica (SiO2)	33	0.15	**	u	н	II		H	
Strontium	1.3	.0.089	n	n	tf		. 02/08/05	It	
Challium	ND	0.011	"	"	ır	# .	02/08/05	n	
Zinc	ND	0.024	II	11	н	11	п	· ·	
Firador (0502045-05) Water	Sampled: 02/02/05 14:20	Received:	02/02/05	15:00					
Silver	ND	0.0030	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200.7	
Aluminum	ND	0.063	н .	11	19	II .	n	н	
Arsenic	ND	0.025	n	11	n,	IT.	02/08/05	H .	
Barium	0.046	0.019	19	п	u	11	"	n .	
Beryllium	ND	0.0090	n n	17	и .	U	02/08/05	II .	
Calcium	260	0.53	11	it	**	11	02/08/05	11	
Cadmium	ND	0.0040	n ·	n	11	Ħ	02/08/05	ii ·	
Chromium	ND	0.0060	**	Ħ	н	10	11	Ħ	
Copper	ND	0.012	11	"	, и	11	02/08/05	"	
ron	2.3	0.064	II	n	11	II .	n	II	
Mercury	ND	0.00073	п	ıı	B5B0826	02/08/05	02/09/05	EPA 245.1	
Potassium	7.4	0.90	н	Ħ	B5B0806	02/08/05	02/08/05	EPA 200.7	
Magnesium	72	0.41	*	19	"	u	02/08/05	"	
viagnesiuni			**	10	11		. 11		
	- 1.9	0.011		11					
Manganese Sodium	1.9 340	0.011 0.71	. "	"	"	"	02/08/05		



Project: Reverse Osmosis

32470 Paseo Adelanto

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

San Juan Capistrano CA, 92675

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
·					Datell	rtepareu	Allalyzeu	ivietilod	Note
Tirador (0502045-05) Water	Sampled: 02/02/05 14:20	Received:	02/02/05	15:00				<u> </u>	
Lead	ND	0.019	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200.7	
Antimony	ND	0.023	ti	r r	u	ij	n	10	
Selenium	ND	0.026	. 11	"	"	n	n	, tr	
Silica (SiO2)	35	0.15	n	н	n	n	02/08/05	п	
Strontium	1.3	0.089	11	и .	n	11	02/08/05	п	
Thallium	ND	0.011	11	н	11	11	02/08/05	n	
Zinc	ND	0.024	tt	"	n	#	11	H	
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received:	02/02/05	5 15:00					
Silver	ND	0.0030	mg/L	1	B5B0806	02/08/05	02/08/05	EPA 200.7	
Aluminum	ND	0.063	11	u	n	#	"	U	
Arsenic	ND	0.025	н .	**	"	17	11	II .	
Barium	0.060	0.019	н	н	Ħ	"	u	"	
Beryllium	ND	0.0090	**	н	#	H	n	и	
Calcium	240	0.53	17	н	it	II .	02/08/05	a a	
Cadmium	ND	0.0040	u ·	II	11	н	02/08/05		
Chromium	ND	0.0060		11	"	Ħ	II .		
Copper	ND	0.012		u	"	Ħ	п	. н	
Iron	0.20	0.064	11	0	n	#	u	"	
Mercury	ND	0.00073	н.	n	B5B0826	02/08/05	02/09/05	EPA 245.1	•
Potassium	5.0	0.90	н	n	B5B0806	02/08/05	02/08/05	EPA 200.7	
Magnesium	50	0.41	**	,0	11	н	02/08/05	n	
Manganese	0.33	0.011	17	н	u	п	ıı .	11	
Sodium	170	0.71		11	II	**	02/08/05		
Nickel	ND .	0.010	"	11	"H	u	02/08/05		
Lead	ND	0.019	II .	U	, и	II .	r		
Antimony	. ND	0.023	n	ır	Ħ	"	u	11	
Selenium	ND	0.026	n	ır	u				
Silica (SiO2)	31	0.15	"		**	ir .	n	II .	
Strontium	1.3	0.089	**	н	11		02/08/05	n	
Thallium	ND	0.011	**	11	"	n	02/08/05	ii -	
Zinc	ND	0.024	tr.		19	"	II .	u	



Project: Reverse Osmosis

Project Number: (Wells)

Reported: 02/17/05 13:26

32470 Paseo Adelanto San Juan Capistrano CA, 92675

Project Manager: Pierre Dreher

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water									.,,,,,
Benzene	ND	0.500	μg/L "	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Bromobenzene	ND	0.500							
Bromochloromethane	ND	0.500			н		11	"	
Bromodichloromethane	ND	0.500	i	II .	11	II	n	17	
Bromoform	ND	0.500		п	11	**	11		
Bromomethane	ND	0.500	**	"	"	#	11	II	
Methyl ethyl ketone	ND	5.00	er .	11	H	II	"	n	•
n-Butylbenzene	ND	0.500	II	"	11	11	11	11	
sec-Butylbenzene	ND	0.500				"	Ħ	II.	
tert-Butylbenzene	ND	0.500	. 11	**	"	17	11		
Carbon tetrachloride	ND	0.500	19	17	"	"	11	"	٠.,
Chlorobenzene	ND	0.500	. "	II .		11	и	н .	
Chloroethane	ND	0.500	16	n	11	n	it.	"	
2-Chloroethylvinyl ether	ND .	1.00	11	11	II	Ħ	It	"	
Chloroform	ND	0.500	n	11	"	11	"	"	
Chloromethane	ND	0.500	**	u u	Ħ		it		
2-Chlorotoluene	ND	0.500	11	"	" .	11	rr .	. "	
4-Chlorotoluene	ND	0.500	"	н	"	н	11	**	
Dibromochloromethane	ND	0.500		11	II		n		
Dibromomethane	ND	0.500	n	ır	11	n	10	n	
1,2-Dichlorobenzene	ND	0.500	**	н	"	n	II	#	
1,3-Dichlorobenzene	ND	0.500	**	. "	u	Ħ	u	н	
1,4-Dichlorobenzene	ND	0.500	"	11	н	, n	IT	п	
Dichlorodifluoromethane	ND	0.500	. и	ır	**	11	11	11	
1,1-Dichloroethane	ND	0.500	Ħ		IT	" .	ıı .	II .	
1,2-Dichloroethane	, ND	0.500	11	н '			"	n .	
1,1-Dichloroethene	ND	0.500	ır	. "	+	11	11	it.	
cis-1,2-Dichloroethene	ND	0.500	"	. #	. (1	H	H	л	
trans-1,2-Dichloroethene	ND	0.500	н	"	II	11	Ħ	Ħ	
1,2-Dichloropropane	ND	0.500	19	• 11	n	п	"	ir .	
1,3-Dichloropropane	ND	0.500	11		11	"	н	н	
2,2-Dichloropropane	ND	0.500	n	tt.	II	n .	*	Ħ	
1,1-Dichloropropene	ND	0.500	п	п	II	,11	u	ıı	
cis-1,3-Dichloropropene	ND	0.500	n	"	11	11	II .	н	
trans-1,3-Dichloropropene	ND	0.500	IT	н	Ħ	II	n	11	
Di-isopropyl ether	ND	3.00	11	11	tt.	If	11	tr	
Ethyl tert-butyl ether	ND	3.00	1f	If	и	11	н	н	
Ethylbenzene	ND	0.500	11	н	n	4	n	"	
Hexachlorobutadiene	ND	0.500	11	II	11	ii .	11	u .	
Isopropylbenzene	ND	0.500	"	н		*	II		
p-Isopropyltoluene	ND	0.500	11	. "	u	**	u	n	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502045-01) Water	Sampled: 02/02/05 14:00	Receive	d: 02/02/05	5 15:00			<u> </u>		
Methylene chloride	ND	0.500	μg/L	1 :	B5B0705	02/04/05	02/04/05	EPA 524.2	
Methyl isobutyl ketone	ND	5.00	It	17	**	11	. " .	u u	
Methyl tert-butyl ether	ND	3.00	н	u	11	11	11	n	
Naphthalene	ND	0.500	"	II .		u	u	"	٠
n-Propylbenzene	ND	0.500	n	n n			n	11	
Styrene	ND	0.500	H	U	H.	II .	n	H*	
Tert-amyl methyl ether	ND	3.00	**	n	H	N.	"	, u	
Tert-butyl alcohol	ND	2.00	.11	н	**	#	" .	п	•
1,1,1,2-Tetrachloroethane	ND	0.500	11	11	"	H	a.	.n	
1,1,2,2-Tetrachloroethane	ND	0.500	II .	11	17	ıt	ii .	Ħ	
Tetrachloroethene	ND	0.500	n	ii	IP .	"	n	it	
Toluene	ND	0.500	п	ù	II .	u .	, н	tt .	
1,2,3-Trichlorobenzene	ND	0.500	"	"	п	II .	H	ıı .	
1,2,4-Trichlorobenzene	ND	0.500	n	11	н	11	10	н	
1,1,1-Trichloroethane	ND	0.500	и	tr.	Ħ	n	u u	**	
1,1,2-Trichloroethane	ND	0.500	17		11	n	. "	11	
Trichloroethene	ND	0.500	11	18	11	lt .	11	u	
Trichlorofluoromethane	ND	5.00	u	"	II.	II	"	n	
1,1,2-Trichlorotrifluoroethane	ND	10.0	п	п	ıı	u	If	n .	
1,2,3-Trichloropropane	ND	0.500	u	u	u .	II	я	11	
1,2,4-Trimethylbenzene	ND	0.500	и .	"	11	н	п	lt .	
1,3,5-Trimethylbenzene	ND	0.500	11	n	н	n ,	0 '	II	
Vinyl chloride	ND	0.500	n	Ħ	19	11	h	п	
m,p-Xylene	ND	0.500	Ħ	IT	11	n ·	11	,,,	
o-Xylene	ND	0.500	19	11	ıı .		II .	e	
Surrogate: Dibromofluoromethan	e	92.0 %	86-1	18	"	"	"	"	
Surrogate: Toluene-d8	•	92.2 %	88-1	10	"	11	"	n	
Surrogate: 4-Bromofluorobenzene	·	98.2 %	86-1	-	"	. 11	. "	n	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)

Project Manager: Pierre Dreher

Reported:

02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

		eporting				_	_		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:40	Receive	ed: 02/02	/05 15:00					
Benzene	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Bromobenzene	ND ·	0.500	11	. "	n	II	ti .	II.	
Bromochloromethane	ND	0.500	n	n	11	11	Ħ	n	
Bromodichloromethane	ND	0.500	н	**	н	ü	16	19	
Bromoform	ND	0.500	"	et .	п	**	u	11	
Bromomethane	ND	0.500	"	"	H		II	II .	
Methyl ethyl ketone	ND	5.00	11	"		II .	11	11	
n-Butylbenzene	ND	0.500	**	11	**	11	n	11	
sec-Butylbenzene	ND	0.500	и .	. "	11	11	IT.	п	
tert-Butylbenzene	ND	0.500	**	**	u	"	11	11	
Carbon tetrachloride	ND	0.500	17	"	"	tt.	п	· u	
Chlorobenzene	ND	0.500	. "	"	"	IF	II	n	
Chloroethane	ND	0.500	11	"	"	II	n	**	
2-Chloroethylvinyl ether	ND	1.00	H	"	"	II .	If	и	•
Chloroform	ND	0.500	n	n	ır	п	II .	0 .	
Chloromethane	ND	0.500	11	"	"	e e	н	n	
2-Chlorotoluene	ND	0.500	11	u	n	II	,	17	
4-Chlorotoluene	ND	0.500	17	u	H	11		· tr	
Dibromochloromethane	ND	0.500	11	n	11	۳.	. "	u	•
Dibromomethane	ND	0.500	H	н	n.	".	н	n	
1,2-Dichlorobenzene	ND	0.500	"	19	. 11		"	**	
1,3-Dichlorobenzene	ND	0.500	"	11	Ü	II .	H	17	
1,4-Dichlorobenzene	ND	0.500	. 44	11	n	н	. 11	"	•
Dichlorodifluoromethane	ND	0.500	H	"	11	H	u	"	
1,1-Dichloroethane	ND	0.500	t†	"	u	11	**	**	
1,2-Dichloroethane	ND	0.500	"	"	u	ll .	11	11	
1,1-Dichloroethene	ND	0.500	н	it.	II	II	11	"	
cis-1,2-Dichloroethene	ND	0.500	п	11	. **	n	u .	n	
trans-1,2-Dichloroethene	ND .	0.500	н	11	15	Ħ	Ħ	11	
1,2-Dichloropropane	ND	0.500	11	п	II	"	II .	II .	
1,3-Dichloropropane	ND	0.500	11	II	н	II	11	n	
2,2-Dichloropropane	ND	0.500	It	n	Ħ	11	H	"	•
1,1-Dichloropropene	ND	0.500	If	tt .	n	"	er e	α.	
cis-1,3-Dichloropropene	ND	0.500) r	n	tr .	"	n.	n	
trans-1,3-Dichloropropene	ND	0.500	11	, п	u .	ır	II	ıı	
Di-isopropyl ether	ND	3.00	Ħ	n				11	
Ethyl tert-butyl ether	ND	3.00	Ħ	н	n	H		11	
Ethylbenzene	ND	0.500	Ħ	. "	, н	tt		u	
Hexachlorobutadiene	ND	0.500	11	"	**	. "	'n	n	
Isopropylbenzene	ND	0.500	19	11	u .	tt .	Ħ	If	
p-Isopropyltoluene	ND	0.500	**				st		



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

A 1		Reporting	7 I24-	Dilest	Pat-1	Denne 1	A1	3 F-4L - 1	a.
Analyte	Result	Limit	Units ·	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0502045-02) Water	Sampled: 02/02/05 14:40	Receive	d: 02/02/0)5 15:00					
Methylene chloride	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Methyl isobutyl ketone	ND	5.00	. 11	**		н	tt	tt	
Methyl tert-butyl ether	ND	3.00	#	11	н	11	n	u	
Naphthalene	ND	0.500	11	u	11	11	11	n .	
n-Propylbenzene	ND	0.500	"	"	li .	ıı	п	11	
Styrene	ND	0.500		**	"	II .	н	st .	
Tert-amyl methyl ether	ND	3.00	н	" .	. "	n	H	11	
Tert-butyl alcohol	ND	2.00	11	Tr.	Ħ	11.	11	н	
1,1,1,2-Tetrachloroethane		0.500	*11	п	11	II		**	
1,1,2,2-Tetrachloroethane	ND	0.500	u	u	m,	II .	п	п	
Tetrachloroethene	, ND	0.500	II	n	n	U	н .	н	
Toluene	ND	0.500	н	n	n	n	n	H	
1,2,3-Trichlorobenzene	ND	0.500	**	11	"		IP .	"	
1,2,4-Trichlorobenzene	ND -	0.500	19	. "	"	u	н	tt.	•
1,1,1-Trichloroethane	ND.	0.500	tr.	u .	n	II	Ħ	n	
1,1,2-Trichloroethane	ND	0.500	u	"	n	"	u	H .	
Trichloroethene	ND	0.500	u ,	11	**	tr.	н	и	
Trichlorofluoromethane	ND	5.00	H	11	."	_ 0	н	H	٠
1,1,2-Trichlorotrifluoroethane	ND	10.0	. 11	и	. 11	n	11	11	
1,2,3-Trichloropropane	ND	0.500	11	. 11	n	11	н	u	
1,2,4-Trimethylbenzene	ND	0.500	. 11	u	**	ur	11	ıı	
1,3,5-Trimethylbenzene	ND	0.500		"	tr.	II	. "	17	
Vinyl chloride	ND	0.500	H	н .	. 11	п	11	IT .	
m,p-Xylene	ND	0.500	H	tt .	n	n	II	н	
o-Xylene	ND	0.500	#	n	It	11	n	н	
Surrogate: Dibromofluoromethane		92.6 %	86-1	18	"	"	."	"	
Surrogate: Toluene-d8		94.6 %	88-1	10	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.6 %	86-1		"	"	. "		



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported:

02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10	Received	: 02/02/0	5 15:00				,	
Benzene	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Bromobenzene	ND	0.500	11 -	ıı .	"	It	11	a	
Bromochloromethane	ND	0.500	**	"	"	II	31	II .	
Bromodichloromethane	ND	0.500	**	11	**	. "	ii .	п	
Bromoform	ND	0.500	11	11	"	11	11	17	
Bromomethane	ND	0.500	и	11	. "	. 11	н	и	
Methyl ethyl ketone	ND	5.00		. 11	it.	It	n		
n-Butylbenzene	ND	0.500	. "	n	11	II	u	n	
sec-Butylbenzene	ND	0.500	***	n	Ir	н	,	**	•
tert-Butylbenzene	ND	0.500	и .	"	" .	18	n	u	
Carbon tetrachloride	ND	0.500	11	e e	n	11	**		
Chlorobenzene	ND	0.500	II.	"	IT.	ıı	· ·	H	
Chloroethane	ND	0.500	н	"	11			If	
2-Chloroethylvinyl ether	ND	1.00	н	. "	ıı .	H	Ħ	ff	
Chloroform	ND	0.500	"	"	u	It	11	n	
Chloromethane	ND	0.500	"	"	"		· ·	"	
2-Chlorotoluene	ND	0.500	II.	."	11	II	u	н	
4-Chlorotoluene	ND	0.500	H	n	u	**	. "	: н	
Dibromochloromethane	ND .	0.500	n	11	11	"	11	н .	
Dibromomethane	ND	0.500	17	t†		. "	" .	н	
1,2-Dichlorobenzene	ND	0.500	. "	It	. "	11	u	11	•
1,3-Dichlorobenzene	ND	0.500	It	н	, "	H	н	u .	
1,4-Dichlorobenzene	ND	0.500	"	Ħ	II .	17	. "	n	
Dichlorodifluoromethane	ND	0.500	н	**	н	II	и .	11	
1,1-Dichloroethane	ND	0.500	**	ut .	"	n	11	II .	
1,2-Dichloroethane	ND	0.500	***	11	(f	11	. 11	it.	
1,1-Dichloroethene	ND	0.500	It	ti	IJ	!! :	n	11	
cis-1,2-Dichloroethene	ND	0.500	II .	11	H	II .	"		
trans-1,2-Dichloroethene	ND	0.500	11 .	11	, 11	H	u u	tř	
1,2-Dichloropropane	ND	0.500	**		11	n	, "	H .	
1,3-Dichloropropane	ND	0.500	**	"	II			II	
2,2-Dichloropropane	ND	0.500	**	"	n	ıı	11	n	
1,1-Dichloropropene	ND	0.500	#	11	11 .	II .		н	
cis-1,3-Dichloropropene	ND	0.500	"	u	11	".	u u	u	
trans-1,3-Dichloropropene	ND	0.500	n	II	U.	11	H	II .	
Di-isopropyl ether	ND	3.00	11	. "	и .	ı ıı	19	**	
Ethyl tert-butyl ether	ND	3.00	lf.	n	n	и .	11	ч	
Ethylbenzene	ND	0.500	D	10	17	н.	II		
Hexachlorobutadiene	ND	0.500	н	ır	и	"	n .	*	
Isopropylbenzene	ND	0.500	#	H .	ıı	tt .	tt	u	
p-Isopropyltoluene	ND	0.500	n	11	11	u	п	u	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0502045-03) Water	Sampled: 02/02/05 14:10		l: 02/02/05						
Methylene chloride	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Methyl isobutyl ketone	ND	5.00	"	u	u	II .	11	"	
Methyl tert-butyl ether	ND	3.00	n .	и		п	tr.	. н	•
Naphthalene	ND	0.500	II.	п	II.	Ħ	n	ıı	
n-Propylbenzene	ND	0.500	11	н	ır	11	н	u ·	
Styrene	ND	0.500		**	11	"	"	n .	
Tert-amyl methyl ether	ND	3.00	n	11	U .	u	et	n	
Tert-butyl alcohol	ND	2.00			u	н		**	
1,1,1,2-Tetrachloroethane	ND	0.500	11		Ħ	11	".	. "	
1,1,2,2-Tetrachloroethane	ND	0.500	**	н	H	17	н	u	
Tetrachloroethene	ND	0.500	lt.	11	19	10	11	н	
Toluene	ND	0.500	n	"	11	II .	11	n	
1,2,3-Trichlorobenzene	ND	0.500	II	u .		II.	II .	tt.	
1,2,4-Trichlorobenzene	ND	0.500	II	"	n .	H	n	n	
1,1,1-Trichloroethane	ND	0.500	, n	11	н	11	, m	н	
1,1,2-Trichloroethane	ND	0.500	11	н	II .	и	11	11	
Trichloroethene	ND	0.500	n	11	11	11	II .	II	
Trichlorofluoromethane	ND	5.00	II	It	· ·	н	u	II .	
1,1,2-Trichlorotrifluoroethane	ND	10.0	11	11	. "	**	"	Ħ	
1,2,3-Trichloropropane	ND	0.500	н	11			11	. "	
1,2,4-Trimethylbenzene	ND	0.500	**	n	"		"	u	
1,3,5-Trimethylbenzene	ND	0.500		11	u	n	н	n	
Vinyl chloride	ND	0.500	u	11	II	"	17	"	
m,p-Xylene	ND	0.500	ii .	и .			n .	u u	
o-Xylene	ND	0.500	Ħ	11	Ħ	" '	"	ti	
Surrogate: Dibromofluoromethan	e	93.4 %	86-11	3	"	n	"	n	
Surrogate: Toluene-d8		92.6%	88-11)	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	2	97.4 %	86-11.	5	"	"	"	"	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

		olei i a Ali	- Total	2425, 1					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received:	02/02/05	15:00					
Benzene	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Bromobenzene	ND	0.500	It	" .	u	n	H	"	
Bromochloromethane	ND	0.500	"	**		11	tt	17	•
Bromodichloromethane	ND	0.500		11	tf.	11	н	II .	
Bromoform	ND	0.500	H	"	11	ır	n	n	
Bromomethane	ND	0.500	17	"	u	n n	11	17	
Methyl ethyl ketone	ND	5.00	l†	n .	11	n '	18	19	
n-Butylbenzene	ND	0.500	If	ır	II	n	**	m ,	
sec-Butylbenzene	ND	0.500	н	. "	n	11.	"	n	
tert-Butylbenzene	ND	0.500	n	'n	19	It	11	17	
Carbon tetrachloride	ND	0.500	**	11	11	н	11	и	
Chlorobenzene	ND	0.500	It	17	н	11		n	
Chloroethane	ND	0.500	· - II	II .	n	11	"	**	
2-Chloroethylvinyl ether	ND	1.00	**	II .	**	и	**	n	
Chloroform	ND	0.500	**	#	n	U	u	н	
Chloromethane	ND	0.500	11	11	н	n	n	. #	
2-Chlorotoluene	ND	0.500	11		Ħ	11	11	a	
4-Chlorotoluene	ND	0.500	н	n	n	· 10	п	u	
Dibromochloromethane	ND	0.500	11	n	n	н	и	tt.	
Dibromomethane	ND	0.500	"	u	н	n	**	u	
1,2-Dichlorobenzene	ND	0.500	u	It	11		ıı	u	
1,3-Dichlorobenzene	ND	0.500	n.	Ħ	II .	11	н ,	I†	
1,4-Dichlorobenzene	ND	. 0.500	н	19	,,	11	n	. 11	
Dichlorodifluoromethane	ND	0.500	11		n	17		n	
1.1-Dichloroethane	ND	0.500	H .		11		п	п	
1,2-Dichloroethane	ND	0.500	11	11	a	11		a	
1,1-Dichloroethene	ND	0.500	n	17	11	"	п	11	
cis-1,2-Dichloroethene	ND	0.500	44.	11	**		n		
trans-1,2-Dichloroethene	ND	0.500	lt .	и .	**	n	**	II .	
1,2-Dichloropropane	ND	0.500	**	и .		**	u	н	
1,3-Dichloropropane	ND	0.500	. 11	**	n	If	11	tr.	
2,2-Dichloropropane	ND	0.500	**	11	#	н	u		
1,1-Dichloropropene	ND ND	0.500	**	, .	u	11		11	
cis-1,3-Dichloropropene	ND ND	0.500		н	11	II .	H	11	
trans-1,3-Dichloropropene	ND ND	0.500	11	e e	11	п.	11		
Di-isopropyl ether	ND ND	3.00	n	. "	"	. н	u	n	
	. ND ND	3.00			e '	"	n	ir.	
Ethyl tert-butyl ether				"		;; IF	. "		
Ethylbenzene Havesblagsbutsdiene	ND ND	0.500		,,	" "	 H	" "	. "	
Hexachlorobutadiene	ND	0.500	91			" H	"		•
Isopropylbenzene	ND	0.500	"	"	17	'n	. "		
p-Isopropyltoluene	ND	0.500		•		" .	17	"	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SBJA #4 (0502045-04) Water	Sampled: 02/02/05 13:40	Received:	02/02/0	5 15:00					
Methylene chloride	ND	.0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Methyl isobutyl ketone	ND	5.00	17	п	u	II	tt	"	
Methyl tert-butyl ether	ND	3.00	11	H	u	11	. 11	",	
Naphthalene	ND	0.500	17	n	H	n	11	11	
n-Propylbenzene	ND	0.500	II	Ħ	u	Ħ	19		
Styrene	ND	0.500	н	, II	'n	11	II	u	
Tert-amyl methyl ether	ND	3.00	н	19	*	11	n .	11	
Tert-butyl alcohol	ND	2.00	н	11	11	п	n .	, II	
1,1,1,2-Tetrachloroethane	ND	0.500	Ħ	"	11	II	n	11	
1,1,2,2-Tetrachloroethane	ND	0.500	11	II.	"	н	#	ıt	
Tetrachloroethene	ND	0.500	n	ıı	"	11	"	п	•
Toluene	ND	0.500	11	"	н	17		n	
1,2,3-Trichlorobenzene	ND	0.500	11	n '	"	"	ıı .	n	
1,2,4-Trichlorobenzene	ND	0.500	11	"	11	II .	н	11	
1,1,1-Trichloroethane	ND	0.500	11	n	51*			и	
1,1,2-Trichloroethane	ND	0.500	11	u	n	. "	"	n n	
Trichloroethene	ND	0.500	n	u	н	II*	a.	n	
Trichloro fluoromethane	ND	5.00	11	· ·	11	11*	II .	H	
1,1,2-Trichlorotrifluoroethane	ND	10.0		II.	н .	u	н .	11	
1,2,3-Trichloropropane	ND	0.500	n	н	Ħ.	11	11	n	
1,2,4-Trimethylbenzene	ND	0.500	u	* H	ш	11	n	н	
1,3,5-Trimethylbenzene	. ND	0.500	11		11	11	II .	н	
Vinyl chloride	ND	0.500	, и	tt.	u	IT.	n	tt	
m,p-Xylene	ND	0.500	H	. "	11	11	*	n ·	
o-Xylene	ND	0.500	Ħ	. 11	**	п	u .	n	
Surrogate: Dibromofluorometha	ine	92.8 %	86-	-118	"	"	"	"	
Surrogate: Toluene-d8		95.0 %	88-	-110	"		<i>n</i> .	"	
Surrogate: 4-Bromofluorobenze	ne	94.8 %	86-	·115	"	"	"	# · .	



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

			arytica	······································					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received:	02/02/05	5 15:00					
Benzene	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Bromobenzene	ND	0.500	II .	н	n	n	11		
Bromochloromethane	ND	0.500	"	H	17	lt.	"	u u	
Bromodichloromethane	ND	0.500	**	17	11	H	n	н	
Bromoform	ND	0.500	"	11	!!	17 .	"	11	
Bromomethane	ND	0.500	11	n	11	u e	II.	u	•
Methyl ethyl ketone	ND	5.00	#	"	11	u	п	,,	
n-Butylbenzene	, ND	0.500	I†	II .	11	н	n	ır	
sec-Butylbenzene	ND	0.500	If	II .	"	er .	11	**	
tert-Butylbenzene	ND ·	0.500	н	н	. "	n	"	m .	
Carbon tetrachloride	ND	0.500	n	11	n	#	n	. н	
Chlorobenzene	ND	0.500	"	II	н .	11*	11	1f	
Chloroethane	ND	0.500	u	ii	. "	II	IF	п	•
2-Chloroethylvinyl ether	ND	1.00	'n	**	n .	. н	н	#	
Chloroform	ND	0.500	11	. 11	n	11	u	u	
Chloromethane	ND	0.500	**	n	n	11	n	. н	
2-Chlorotoluene	ND	0.500	н	#	и	. 11	11	Ħ	
4-Chlorotoluene	ND	0.500	11	u	"	11	II		
Dibromochloromethane	ND	0.500	11	11	19	H	п.	m	
Dibromomethane	ND	0.500	н	ıt .	. "	"			
1.2-Dichlorobenzene	ND .	0.500	н	**	#	ıı	, a .		
1,3-Dichlorobenzene	. ND	0.500	n	и	11		n	IT	
1,4-Dichlorobenzene	ND	0.500	- 0	n	11	17	17	u	
Dichlorodifluoromethane	ND	0.500	ir	n	n	ır	· n	n	
1,1-Dichloroethane	ND	0.500	n	tt.	Ħ	11	**	11	
1,2-Dichloroethane	ND	0.500		и	11	11	n .	u	
1,1-Dichloroethene	ND	0.500	11		п	п	. "	**	
cis-1,2-Dichloroethene	ND	0.500	11	H	**	. н	u		
trans-1,2-Dichloroethene	ND	0.500	tt.	R	II	÷.	n.	"	
1,2-Dichloropropane	ND	0.500		н	n		11	er er	
1,3-Dichloropropane	ND	0.500			11	11		n	
2,2-Dichloropropane	ND	0.500	#		и.	**	"	Iŧ	
1,1-Dichloropropene	ND	0.500	ıt	n	n	п	п	п	
cis-1,3-Dichloropropene	ND .	0.500	II .	11	11	11		n	
trans-1,3-Dichloropropene	ND	0.500	н	ur .	"	ч	н	If	
Di-isopropyl ether	ND	3.00	11	n .	II		ıı .	II .	,
Ethyl tert-butyl ether	ND	3.00	17	n	n .	n	и,	н .	
Ethylbenzene	ND ·	0.500	ır	lf .	11	If	*	11	
Hexachlorobutadiene	ND	0.500	"	ш	u	It	11		
Isopropylbenzene	ND ND	0.500	n	"	11	n		10	
	ND ·		n	11	n	#			
p-Isopropyltoluene	ND	0.500	**			**	•		



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SBJA #2 (0502045-06) Water	Sampled: 02/02/05 13:50	Received:	02/02/05	15:00		, .	1		
Methylene chloride	ND	0.500	μg/L	1	B5B0705	02/04/05	02/04/05	EPA 524.2	
Methyl isobutyl ketone	ND	5.00	18	**	11	11	II .	H .	
Methyl tert-butyl ether	ND	3.00	II .	"	n n		11	19	
Naphthalene	ND	0.500	"	11		u	n	10	
n-Propylbenzene	ND	0.500	11	н	tt.	n	r r	It	
Styrene	ND	0.500	11	17	tf	n	ır	II	
Tert-amyl methyl ether	ND	3.00			11	11	н	н	
Tert-butyl alcohol	(ND	2.00		n .	11	11	r#	10	
1,1,1,2-Tetrachloroethane	ND	0.500	"	11	'n	II .	u	u	
1,1,2,2-Tetrachloroethane	ND	0.500	н	n	Ħ	11	u.	n	
Tetrachloroethene	ND	0.500	17	17	. н	19	u	H	
Toluene	ND	0.500	11*	11	11	II .	. "	11	•
1,2,3-Trichlorobenzene	ND	0.500	u	u	II	11	*	u	
1,2,4-Trichlorobenzene	ND	0.500	п		н	н	н ,	II .	
1,1,1-Trichloroethane	ND	0.500	. 11	н	Ħ	11	n ·	H	
1,1,2-Trichloroethane	ND	0.500	**	**	11	e e	"	rt .	
Trichloroethene	ND	0.500	n .	"	n	II .	II.	II .	
Trichlorofluoromethane	ND	5.00	п	н	. "	" .	*1	н	
1,1,2-Trichlorotrifluoroethane	ND	10.0	H		**	"	н	· et	
1,2,3-Trichloropropane	ND	0.500	"	**	u	II .	10	n .	
1,2,4-Trimethylbenzene	ND	0.500	**	If	ii .	. "		"	
1,3,5-Trimethylbenzene	ND	0.500	u u	п	н .	11	**	n .	
Vinyl chloride	ND	0.500	и .	н	11	u .	u	и ·	
m,p-Xylene	ND	0.500	н	н	a.	u ·	II .	n	
o-Xylene	ND	0.500	H	11	U	n	н	19	i
Surrogate: Dibromofluorometha	ne	91.6%	86-	118	"	"	и.	"	
Surrogate: Toluene-d8		93.4 %	88-1	110	"	"	n	ıi .	
Surrogate: 4-Bromofluorobenzer	ne	97.2 %	86-1	115	n	"	"	<i>n</i> .	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported:

02/17/05 13:26

Total Organic Carbon (TOC) by SM 5310 B - Quality Control

Sierra Analytical Labs, Inc.

•		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch B5B0913 - Micro Prep

 Blank (B5B0913-BLK1)
 Prepared & Analyzed: 02/08/05

 Total Organic Carbon
 ND
 0.50
 mg/L



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Batch B5B0806 - EPA 200 Series Blank (B5B0806-BLK1) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND Cadmium ND Calcium ND Chromium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Assenic ND Barium ND Beryllium ND Cadmium ND	0.063 0.023 0.025 0.019 0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	mg/L	Prepared	& Analyze	ed: 02/08/0	05			
Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.023 0.025 0.019 0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11 11 11 11 11 11 11 11 11	Prepared	& Analyze	ed: 02/08/0	05			
Antimony ND Arsenic ND Barium ND Beryllium ND Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.023 0.025 0.019 0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11 11 11 11 11 11 11 11 11							
Arsenic ND Barium ND Beryllium ND Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Arsenic ND Barium ND Beryllium ND	0.025 0.019 0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026	7 11 11 11 11 11 11 11 11 11 11 11 11 11							
Barium ND Beryllium ND Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Arsenic ND Barium ND Beryllium ND	0.019 0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11 11 11 11 11 11 11 11 11							
Beryllium ND Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Arsenic ND Barium ND Beryllium ND	0.0090 0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026	11 11 11 11 11 11 11 11 11 11 11 11 11							
Cadmium ND Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Barium ND Beryllium ND	0.0040 0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026	11 11 11 11 11 11 11 11 11 11 11 11 11							
Calcium ND Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.53 0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11 11 11 11 11 11 11 11 11							
Chromium ND Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.0060 0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026	11 12 12 13 14 14 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18							
Copper ND Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.012 0.064 0.019 0.41 0.011 0.010 0.90 0.026	11 12 13 14 14 14 17							
Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Arsenic ND Barium ND Beryllium ND	0.064 0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11							
Iron ND Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Arsenic ND Barium ND Beryllium ND	0.019 0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11 11 11 11 11 11 11 11 11 11							
Lead ND Magnesium ND Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Arsenic ND Barium ND Beryllium ND	0.41 0.011 0.010 0.90 0.026 0.0030	11 11 11 11							
Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.011 0.010 0.90 0.026 0.0030	11 11 17							
Manganese ND Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.010 0.90 0.026 0.0030	u u					•		
Nickel ND Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.010 0.90 0.026 0.0030	n n							
Potassium ND Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.90 0.026 0.0030	n					*		
Selenium ND Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.026 0.0030								
Silver ND Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.0030	"							
Sodium 1.17 Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND									
Strontium ND Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	U / I	19							QB-0
Thallium ND Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.089	и.							ζ2 -
Zinc ND Silica (SiO2) ND Blank (B5B0806-BLK2) ND Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.011	n							
Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.024	п							
Blank (B5B0806-BLK2) Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND	0.15	n							
Aluminum ND Antimony ND Arsenic ND Barium ND Beryllium ND			Prepared a	& Analyze	d: 02/08/0)5			
Antimony ND Arsenic ND Barium ND Beryllium ND	0.063	mg/L							
Arsenic ND Barium ND Beryllium ND	0.023	"							•
Barium ND Beryllium ND	0.025	It							
Beryllium ND	0.019	' п							
	0.0090	"							
	0.0040	11							
Calcium ND	0.53	11						•	
Chromium ND	0.0060	u				•			
Copper ND	0.012	11							
Iron ND									
Lead ND	ባ ባፋላ	11							
•	0.064								
Magnesium ND Manganese ND	0.064 0.019 0.41	11							



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B0806 - EPA 200 Series										
Blank (B5B0806-BLK2)				Prepared	& Analyze	ed: 02/08/0)5	•		
Nickel	ND	0.010	mg/L							
Potassium	ND	0.90	н		•					•
Selenium	ND	0.026	И	•		•				
Silver	ND	0.0030	u							
Sodium	1.75	0.71	II				•			QB-0
Strontium	ND	0.089	II				•		•	
Thallium	ND	0.011	n							
Zinc	ND	0.024	11"							
Silica (SiO2)	· ND	0.15	11							
LCS (B5B0806-BS1)			•	Prepared of	& Analyze	ed: 02/08/0)5			<u> </u>
Aluminum	0.190	0.063	mg/L	0.200		95.0	75-125			
Antimony	0.208	0.023	"	0.200		104	85-115		•	
Arsenic	0.201	0.025	п	0.200		100	80-120			
Barium	0.205	0.019	11	0.200		102	85-115			
Beryllium	0.211	0.0090	ш	0.200		106	85-115			
Cadmium	0.200	0.0040	11	0.200		100	85-115			
Calcium	9.89	. 0.53	n	10.2		97.0	80-120			
Chromium	0.212	0.0060	11	0.200		106	85-115			
Copper	0.207	0.012	п	0.200	•	104	85-115			
Iron	0.204	0.064	u	0.200		102	70-130			
Lead	0.204	0.019	. "	0.200		102	85-115			*
Magnesium	10.0	0.41	H	10.2		98.0	80-120			
Manganese	0.204	0.011	18	0.200		102	85-115			
Nickel	0.202	0.010	п	0.200		101	85-115			
Potassium	10.6	0.90	u	10.2		104	80-120			
Selenium	0.200	0.026	n	0.200		100	85-115			
Silver	0.200	0.0030	n	0.200		100	85-115			
Sodium	11.1	0.71	, n	10.2		109	80-120			
Strontium	0.205	0.089	11	0.200		102	75-125			
Thallium	0.204	0.011	п	0.200		102	85-115			
Zinc	0.199	0.024	n	0.200	٠	99.5	85-115			
Silica (SiO2)	0.250	0.15	n	0.200		125	60-140			



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B0806 - EPA 200 Series										
LCS (B5B0806-BS2)				Prepared	& Analyze	d: 02/08/	05			
Aluminum	0.171	0.063	mg/L	0.200		85.5	75-125			
Antimony	0.202	0.023	"	0.200		101	85-115			
Arsenic	0.201	0.025		0.200		100	80-120			
Barium	0.204	0.019	#	0.200		102	85-115			
Beryllium	0.210	0.0090	"	0.200		105	85-115			
Cadmium	0.203	0.0040	ıı .	0.200		102	85-115			
Calcium	9.61	0.53	н	10.2		94.2	80-120			
Chromium	0.215	0.0060	ıř	0.200		108	85-115			
Copper	0.210	0.012	u	0.200		105	85-115			
Iron	0.211	0.064	n	0.200		106	70-130			
Lead	0.203	0.019	n	0.200		102	85-115			
Magnesium	10.1	0.41	ır	10.2		99.0	80-120			
Manganese	0.208	0.011	ti .	0.200		104	85-115			
Nickel	0.201	0.010	н	0.200		100	85-115	*		
Potassium	10.9	0.90	11	10.2		107	80-120			
Selenium	0.201	. 0.026	н	0.200		100	85-115			
Silver	0.204	0.0030	n	0.200		102	85-115			
Sodium	11.4	0.71	n	10.2		112	80-120			
Strontium	0.201	0.089	19	0.200		100	75-125			
Thallium	0.201	0.011	18	0.200		100	85-115			
Zinc	0.199	0.024	п	0.200		99.5	85-115			
Silica (SiO2)	0.244	0.15	11	0.200		122	60-140			
Matrix Spike (B5B0806-MS1)	Sou	ırce: 050204	5-01	Prepared	& Analyze	d: 02/08/	05			
Aluminum	0.198	0.063	mg/L	0.200	ND	99.0	70-130			
Antimony	0.214	0.023	11	0.200	ND	107	70-130	•		
Arsenic	0.207	0.025	11	0.200	ND	104	70-130			
Barium	0.257	0.019	11	0.200	0.054	102	70-130			
Beryllium	0.212	0.0090	'e n	0.200	ND	106	70-130			
Cadmium	0.203	0.0040	" .	0.200	0.00088	101	70-130			
Calcium	237	0.53	R	10.2	220	167	70-130			QM-07
Chromium	0.215	0.0060	"	0.200	0.0043	105	75-130			-
Copper	. 0.217	0.012		0.200	ND	108	70-130			
Iron	0.304	0.064	tr	0.200	0.094	105	70-130			
Lead ·	0.202	0.019	н	0.200	ND	101	70-130			
Magnesium	53.9	0.41	н	10.2	44	97.1	70-130			
Manganese	0.322	0.011	**	0.200	0.12	101	70-130			



Project: Reverse Osmosis

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte .	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B0806 - EPA 200 Series										
Matrix Spike (B5B0806-MS1)	Sou	urce: 050204	5-01	Prepared	& Analyze	d: 02/08/	05			
Nickel	0.202	0.010	mg/L	0.200	ND	101	70-130			
Potassium	15.6	0.90	11	10.2	4.0	114	70-130			
Selenium	0.192	0.026	11	0.200	ND	96.0	70-130			
Silver	0.203	0.0030	u	0.200	ND	102	70-130			
Sodium	160	0.71	u	10.2	140	196	70-130			QM-07
Strontium	1.35	0.089	"	0.200	1.1	125	70-130			
Thallium	0.195	0.011	н	0.200	ND	97.5	70-130			
Zinc	0.202	0.024	"	0.200	ND.	101	70-130			
Silica (SiO2)	30.0	0.15	. #	0.200	30	0.00	60-140			QM-07
Matrix Spike (B5B0806-MS2)				Prepared & Analyzed: 02/08/05						
Aluminum	0.182	0.063	mg/L	0.200	ND	91.0	70-130			
Antimony	0.211	0.023	u	0.200	ND	106	70-130			
Arsenic	0.222	0.025	u	0.200	0.011	106	70-130			
Barium	0.325	0.019	tf	0.200	0.12	102	70-130			
Beryllium	0.210	0.0090	. #	0.200	NĎ	105	70-130			
Ċadmium	0.206	0.0040	11	0.200	ND	103	70-130			
Calcium	15.5	0.53	u	10.2	6.1	92.2	70-130			
Chromium	0.248	0,0060	ø	0.200	0.034	107	75-130			
Copper	0.221	0.012	"	0.200	ND	110	70-130			
Iron	0.217	0.064	"	0.200	ND	108	70-130			
Lead	0,202	0.019	**	0.200	ND	101	70-130			
Magnesium	25.6	0.41	₩.	10.2	16	94.1	70-130			
Manganese	0.208	0.011	. 11	0.200	ND	104	70-130			
Nickel	0.205	0.010	ti	0.200	ND	102	70-130			•
Potassium	13.6	0.90	. 11	10.2	3.1	103	70-130			
Selenium	0.207	0.026	11	0.200	ND	104	70-130			
Silver	0.205	0.0030	11	0.200	ND	102	70-130			
Sodium	148	0.71	11	10.2	130	176	70-130			QM-07
Strontium	0.601	0.089	11	0.200	0.40	100	70-130			•
Thallium	0.197	0.011	11	0.200	ND	98.5	70-130			
Zinc	0.206	0.024	er .	0.200	ND	103	70-130			
Silica (SiO2)	17.5	0.15	" ,	0.200	18	NR	60-140			QM-07



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5B0806 - EPA 200 Series				<u> </u>						
Matrix Spike Dup (B5B0806-MSD1)		rce: 050204			& Analyze					
Aluminum	0.196	0.063	mg/L	0.200	ND	98.0	70-130	1.02	20	
Antimony	0.206	0.023	н	0.200	ND	103	70-130	3.81	20	
Arsenic	0.198	0.025	n	0.200	ND	99.0	70-130	4.44	20	
Barium	0.254	0.019	Ħ	0.200	0.054	100	70-130	1.17	20	
Beryllium	0.208	0.0090	11	0.200	ND	104	70-130	1.90	20	
Cadmium	0.196	0.0040		0.200	0.00088	97.6	70-130	3.51	20	
Calcium	235	0.53	ır	10.2	220	147	70-130	0.847	20	QM-0
Chromium	0.209	0.0060	11	0.200	0.0043	102	75-130	2.83	20	
Copper	0.214	0.012		0.200	ND	107	70-130	1.39	20	
Iron	0.293	0.064	II.	0.200	0.094	99.5	70-130	3.69	20	
Lead	0.195	0.019	**	0.200	ND	97.5	70-130	3.53	20	
Magnesium	53.5	0.41	**	10.2	44	93.1	70-130	0.745	20	
Manganese	0.319	0.011	. "	0.200	0.12	99.5	70-130	0.936	20	
Nickel	0.195	0.010	u u	0.200	ND	97.5	70-130	3.53	20	
Potassium	15.5	0.90		10.2	4.0	113	70-130	0.643	20	
Selenium	0.188	0.026	"	0.200	ND	94.0	70-130	2.11	20	
Silver	0.200	0.0030	**	0.200	ND	100	70-130	1.49	20	
Sodium	161	0.71	*	10.2	140	206	70-130	0.623	20	QM-07
Strontium	1.34	0.089	19	0.200	1.1	120	70-130	0.743	20	
Thallium .	0.189	0.011	n	0.200	ND	94.5	70-130	3.12	20	
Zinc	0.196	0.024	, tt	0.200	ND	98.0	70-130	3.02	20	
Silica (SiO2)	29.9	0.15	u	0.200	30	NR	60-140	0.334	40	QM-07
Matrix Spike Dup (B5B0806-MSD2)	Sou	rce: 050212	0-05	Prepared	d: 02/08/0					
Aluminum	0.178	0.063	mg/L	0.200	ND	89.0	70-130	2.22	20	
Antimony	0.205	0.023	н	0.200	ND	102	70-130	2.88	20	
Arsenic	0.216	0.025	11	0.200	0.011	102	70-130	2.74	20	
Barium	0.317	0.019	u	0.200	0.12	.98.5	70-130	2.49	20	
Beryllium	0.208	0.0090	. "	0.200	ND	104	70-130	0.957	20	
Cadmium	0.201	0.0040		0,200	ND	100	70-130	2.46	20	
Calcium	15.8	0.53	н	10.2	6.1	95.1	70-130	1.92	20	
Chromium	0.244	0.0060	11	0.200	0.034	105	75-130	1.63	20	
Copper	0.217	0.012	**	0.200	ND	108	70-130	1.83	20	
Iron	0.217	0.064	**	0.200	ND	108	70-130	0.00	20	
Lead · ·	0.199	0.019	"	0.200	ND	99.5	70-130	1.50	20	
Magnesium	25.1	0.41		10.2	16	89.2	70-130	1.97	20	
Manganese	0.204	0.011		0.200	ND	102	70-130	1.94	20	
rranganeso	0,204	0.011		0.200	110	102	70-150	1,77	20	



ECO Resources Inc. 32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

41	n 1	Reporting	Hele	Spike	Source	%REC	%REC	DDD	RPD	Nr
Analyte	Result	Limit	Units	Level	Result	%KEC	Limits	RPD	Limit	Notes
Batch B5B0806 - EPA 200 Series		<u> </u>	·							
Matrix Spike Dup (B5B0806-MSD2)	Sou	rce: 0502120	0-05	Prepared	& Analyz	ed: 02/08/	05			
Nickel	0.198	0.010	mg/L	0.200	ND	99.0	70-130	3.47	20	
Potassium	13.9	0.90	и	10.2	3.1	106	70-130	2.18	20	
Selenium	0.203	0.026	u	0.200	ND	102	70-130	1.95	20	
Silver	0.200	0.0030	11	0.200	ND	100	70-130	2.47	20	
Sodium	148	0.71	n.	10.2	130	176	70-130	0.00	20	QM-07
Strontium	0.601	0.089	и	0.200	0.40	100	70-130	0.00	20	
Thallium	0.194	0.011	11	. 0.200	NĐ	97.0	70-130	1.53	20 .	
Zinc .	0.200	0.024	17	0.200	ND	100	70-130	2.96	20	•
Silica (SiO2)	17.1	0.15	н	0.200	18	NR	60-140	2.31	40	QM-07
Batch B5B0826 - EPA 200 Series	•									
Blank (B5B0826-BLK1)				Prepared:	02/08/05	Analyzed	1: 02/09/05			
Mercury	ND	0.00073	mg/L				<u></u>			
Blank (B5B0826-BLK2)				Prepared:	02/08/05	Analyzed	1: 02/09/05		*	
Mercury	ND	0.00073	mg/L		6.					
LCS (B5B0826-BS1)				Prepared:	02/08/05	Analyzed	: 02/09/05			
Mercury	0.00104	0.00073	mg/L	0.00100		104	75-125			
LCS (B5B0826-BS2)				Prepared:	02/08/05	Analyzed	1: 02/09/05			
Mercury	0.00120	0.00073	mg/L	0.00100		120	75-125			
Matrix Spike (B5B0826-MS1)	Sou	ırce: 050204.	3-01	Prepared:	02/08/05	Analyzed	: 02/09/05			
Mercury	0.00111	0.00073	mg/L	0.00100	ND	111	75-125		 	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Metals by EPA 200 Series Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B5B0826 - EPA 200 Series	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·								
Matrix Spike (B5B0826-MS2)	Sou	rce: 050212	5-01	Prepared:	02/08/05	Analyzed	l: 02/09/05			
Mercury	0.00130	0.00073	mg/L	0.00100	ND	130	75-125			QM-07
Matrix Spike Dup (B5B0826-MSD1)	Sou	rce: 050204	3-01	Prepared:	02/08/05	Analyzed	1: 02/09/05			
Mercury ·	0.00114	0.00073	mg/L	0.00100	ND	114	75-125	2.67	20	
Matrix Spike Dup (B5B0826-MSD2)	Sou	rce: 050212	5-01	Prepared:	02/08/05	Analyzed	: 02/09/05			
Mercury	0.00123	0.00073	mg/L	0.00100	ND.	123	75-125	5.53	20	



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Reverse Osmosis

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	•
Analyte	 Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
	 				,					

Batch B5B0705 - EPA 500 Series				
Blank (B5B0705-BLK1)				Prepared & Analyzed: 02/04/05
Benzene	ND	0.500	μg/L	
Bromobenzene	ND	0.500	11	
Bromochloromethane	. ND	0,500	ji	
Bromodichloromethane	ND	0.500	"	
Bromoform	ND	0.500	11	
Bromomethane	ND	0.500		A
Methyl ethyl ketone	ND	5.00	n	
n-Butylbenzene	ND	0.500	. #	
sec-Butylbenzene	ND	0.500	11	
ert-Butylbenzene	ND	0.500	"	
Carbon tetrachloride	ND	0.500	.,	
Chlorobenzene	ND	0.500	11	
Chloroethane	ND	0.500	"	
2-Chloroethylvinyl ether	ND	1.00		
Chloroform	ND	0.500	, 11	
Chloromethane	ND	0.500	19	
-Chlorotoluene	ND	0.500	d .	
l-Chlorotoluene	ND	0.500	ii	
Dibromochloromethane	ND ·	0.500	"	
Dibromomethane	ND	0.500	11	
,2-Dichlorobenzene	ND	0.500	ıı.	
,3-Dichlorobenzene	ND	0.500	"	
,4-Dichlorobenzene	ND	0.500	17	
Dichlorodifluoromethane	ND	0.500	11	
,1-Dichloroethane	ND	0.500	H	
,2-Dichloroethane	ND	0.500	11	(
,1-Dichloroethene	ND	0.500	и	
cis-1,2-Dichloroethene	ND	0.500	u	
rans-1,2-Dichloroethene	· ND	0.500	11	•
1,2-Dichloropropane	ND	0.500	п	
1,3-Dichloropropane	ND	0.500	н	
2,2-Dichloropropane	ND	0.500	"	•
,1-Dichloropropene	ND	0.500	Ħ	,
cis-1,3-Dichloropropene	ND	0.500	11	
rans-1,3-Dichloropropene	ND	0.500		
Di-isopropyl ether	ND	3.00	11	
Ethyl tert-butyl ether	ND	3.00	н	



1,2,3-Trichloropropane

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

Surrogate: Toluene-d8

Surrogate: Dibromofluoromethane

Surrogate: 4-Bromofluorobenzene

Vinyl chloride

m,p-Xylene

o-Xylene

Analyte

Project: Reverse Osmosis

Spike

Level

Source

Result

%REC

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: (Wells)
Project Manager: Pierre Dreher

Reported: 02/17/05 13:26

RPD

Limit

Notes

%REC

Limits

RPD

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Units

Reporting

Result

ND

ND

ND

ND

ND

ND

44.8

46.4

48.0

0.500

0.500

0.500

0.500

0.500

0.500

Limit

Blank (B5B0705-BLK1)				Prepared & Analyzed: 02/04/05
Ethylbenzene	ND	0.500	μg/L	,
Hexachlorobutadiene	, ND	0.500	n	
Isopropylbenzene	ND	0.500	11	·
p-Isopropyitoluene	ND	0.500	11	
Methylene chloride	ND	0.500	11	
Methyl isobutyl ketone	ND	5.00	н	
Methyl tert-butyl ether	. ND	3.00	n	
Naphthalene	. ND	0.500	11	
n-Propylbenzene	ND	0.500	. 19	•
Styrene	ND	0.500	II .	
Tert-amyl methyl ether	ND	3.00	н	
Tert-butyl alcohol	ND	2.00	. 11	
1,1,1,2-Tetrachloroethane	ND	0.500	**	
1,1,2,2-Tetrachloroethane	ND	0.500	**	
Tetrachloroethene	ND	0.500	и,	
Toluene	ND	0.500	H	
1,2,3-Trichlorobenzene	ND	0.500	**	
1,2,4-Trichlorobenzene	ND	0.500	11	
1,1,1-Trichloroethane	ND	0.500	н	
1,1,2-Trichloroethane	ND .	0.500	n	•
Trichloroethene	ND	0.500	19	
Trichlorofluoromethane	, ND	5.00	n	
1,1,2-Trichlorotrifluoroethane	ND	10.0	11	

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.

50.0

50.0

50.0

89.6

92.8

96.0

86-118

88-110

86-115



Project: Reverse Osmosis

32470 Paseo Adelanto

Project Number: (Wells)
Project Manager: Pierre Dreher

Reported:

San Juan Capistrano CA, 92675 Project Manager

02/17/05 13:26

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Batch B5B0705 - EPA 500 Series LCS (B5B0705-BS1) Benzene Chlorobenzene	23.1 28.5 24.0 20.4	0.500 0.500 0.500	μg/L "	Prepared 25.0	& Analyze	ed: 02/04/	05			
Benzene	28.5 24.0	0.500			& Analyze	d: 02/04/0	05			
	28.5 24.0	0.500		25.0			0.5	•		•
Chlorobenzene	24.0		n	25.0		92.4	80-120			
		0.500		25.0		114	80-120			
1,1-Dichloroethene	20.4		**	25.0		96.0	80-120			
Toluene	20.4	0.500	17	25.0		81.6	80-120			
Trichloroethene	. 22.7	0.500		25.0		90.8	80-120			
Duplicate (B5B0705-DUP1)	Sou	rce: 050203	3-07	Prepared	& Analyze	:d: 02/04/0	05			
Benzene	ND	0.500	μg/L		ND				30	
Chlorobenzene	ND	0.500	If		ND				30	
1,1-Dichloroethene	ND	0.500	п		ND				30	
Toluene ·	ND	0.500	т .		ND				30	
Trichloroethene	ND	0.500	11		ND				30	
Matrix Spike (B5B0705-MS1)	Sou	rce: 050203.	3-07	Prepared	& Analyze	:d: 02/04/0	05			
Benzene	17.8	0.500	μg/L	25.0	ND	71.2	37-151			
Chlorobenzene	27.4	0.500	11	25.0	ND	110	37-160			
1,1-Dichloroethene	15.9	0.500	#	25.0	ND	63.6	50-150			
Toluene	19.4	0.500	н	25.0	ND	77.6	47-150			
Trichloroethene	21.3	0.500	"	25.0	ND	85.2	71-157			
Matrix Spike Dup (B5B0705-MSD1)	Sou	rce: 0502033	3-07	Prepared of	& Analyze	d: 02/04/0)5			.*
Benzene	17.7	0.500	μg/L	25.0	ND	70.8	37-151	0.563	30	
Chlorobenzene	27.7	0.500	11	25.0	ND	111	37-160	1.09	30	
1,1-Dichloroethene	15.9	0.500	. "	25.0	ND	63.6	50-150	0.00	30	
Toluene	19.7	0.500	19	25.0	ND .	78.8	47-150	1.53	30	
Trichloroethene	21.3	0.500	ır	25.0	ND	85.2	71-157	0.00	30	



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Quarterly Wells Project Manager: Pierre Dreher Reported: 03/09/05 13:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CVWD#1	0502420-01	Water	02/23/05 14:35	02/23/05 15:30
Dance Hall	0502420-02	Water	02/23/05 15:00	02/23/05 15:30
Kinoshita	0502420-03	Water	02/23/05 14:30	02/23/05 15:30
SBJA #4	0502420-04	Water	02/23/05 14:40	02/23/05 15:30
Tirador	0502420-05	Water	02/23/05 14:05	02/23/05 15:30
SBJA #2	0502420-06	Water	02/23/05 14:45	02/23/05 15:30

CASE NARRATIVE

SAMPLE RECEIPT:

Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION:

Samples requiring preservation were verified prior to sample preparation and analysis. All holding times were met, unless otherwise noted in the report with data qualifiers.

HOLDING TIMES: QA/QC CRITERIA:

All quality objective criteria were met, except as noted in the report with data qualifiers.



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported: 03/09/05 13:48

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

	·	Reporting						<u> </u>	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CVWD #1 (0502420-01) Water	Sampled: 02/23/05 14:35	Receiv	ed: 02/23/05	5 15:30					
Total Alkalinity	304	0.400	mg/L	I	B5B2803	02/24/05	02/24/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	н	н	n	n	Ħ	п	
Bicarbonate Alkalinity	304	0.400	n	Ħ	11	"	11	n	
Hydroxide Alkalinity	ND	0.400	n	n	H	н	ır	н	
Chloride	242	0.500	н	. 4	Ħ .	If	n,	SM 4500-Cl-B	
Color	1.00	1.00	Color Units	11	11	11	. #	EPA 110.2	
Specific Conductance (EC)	2050	0.100	µmhos/cm	**		11*	11	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	"	n	"	11	EPA 335.2	
Fluoride	0.420	0.0200	10	u	п	u	11	EPA 340.1	
Total Hardness	776	0.400	II .	п	II	· "	11	SM 2340	
Methylene Blue Active Substances		0.100	u	ıı	Ħ	11	u	EPA 425.1	
Nitrite as N	ND	0.0200			11	n	н	SM4500-NO2B	
Odor	1.00	1.00	T.O.N.	**	Ħ	n		EPA 140.1	
рН	6.84	0.100	pH Units	11	11	H	, и	EPA 150.1	
Sulfate as SO4	490	0.500	mg/L	H	u ·	**	n	EPA 375.4	
Total Dissolved Solids	1430	1.00	ıı	If	ıı	iī	19	EPA 160.1	
Total Suspended Solids	ND	1.00	n	11	п	· n	11	EPA 160.2	
Turbidity	0.790	0.0200	NTU	11	11	ıı	It	EPA 180.1	
Dance Hall (0502420-02) Water	Sampled: 02/23/05 15:00	Receiv	ved: 02/23/0	5 15:30					
Total Alkalinity	432	0.400	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	"	11	11	"		11	
Bicarbonate Alkalinity	432	0.400	. 0	n	tt.	v	n	u .	
Hydroxide Alkalinity	ND	0.400	H	**	n,	II	n	u	
Chloride	262	0.500	Ħ	н	11		, "	SM 4500-CI-B	
Color	2.00		Color Units	. #	Ħ	"		EPA 110.2	
Specific Conductance (EC)	2930		μmhos/cm	11	H	**	11	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	u	, u	# .	11	EPA 335.2	
Fluoride	0.550	0.0200	"	п	11	"	п	EPA 340.1	
Total Hardness	997	0.400	11		. 11	п	n	SM 2340	
Methylene Blue Active Substances		0.100	u	II.	11			EPA 425.1	
Mitrite as N	ND	0.0200	u	. 11	. "	и.		SM4500-NO2B	
	1.00	1.00	T.O.N.	n	u ·	п		EPA 140.1	
Odor -11	6.95	0.100	pH Units		ii	н	н	EPA 150.1	
pH Sulfata as 804	6.95 710	0.100	-	nt	"	19	n		
Sulfate as SO4			mg/L		,,		,,	EPA 375.4	
Total Dissolved Solids	2070	1.00	!!		rr .		"	EPA 160.1	
Total Suspended Solids	ND 26.4	1.00			,,	."	 II	EPA 160.2	,
Turbidity	26.4	0.0200	NTU			"		EPA 180.1	•



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported:

03/09/05 13:48

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita (0502420-03) Water	Sampled: 02/23/05 14:30	Receive	ed: 02/23/05	15:30					
Total Alkalinity	352	0.400	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 310.1	
Carbonate Alkalinity	ND .	0.400	"	11	11	#	"	II	
Bicarbonate Alkalinity	352	0.400	17	Ir .	н	**	"	lt .	
Hydroxide Alkalinity	ND	0.400	18	"	n	u	u	n	
Chloride	236	0.500	"	" .	11	H	ıı	SM 4500-CI-B	
Color	3.00	1.00	Color Units	n ,	11	11	II .	EPA 110.2	
Specific Conductance (EC)	2130		μmhos/cm	. "	u	#	11	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	If	18	**	11	EPA 335.2	
Fluoride	0.280	0.0200	11	11	11	. " .	"	EPA 340.1	
Total Hardness	792	0.400	**	и	н .	11	"	SM 2340	
Methylene Blue Active Substances	s ND	0.100		u	11	н	ıı	EPA 425.1	
Nitrite as N	ND	0.0200	ii.	"		. "	, " .	SM4500-NO2B	
Odor	2.00	1.00	T.O.N.	n	II	"	n	EPA 140.1	
pH	7.01	0.100	pH Units	"	II	"	Ir	EPA 150.1	
Sulfate as SO4	514	0.500	mg/L '	11	н	н ,	п	EPA 375.4	
Total Dissolved Solids	1500	1.00	и.	91	17	**	. 11	EPA 160.1	
Total Suspended Solids	ND	1.00		, a	u	**	11	EPA 160.2	
Turbidity	25.8	0.0200	NTU	н	II	u	ıt	EPA 180.1	
SBJA #4 (0502420-04) Water S	Sampled: 02/23/05 14:40	Received	1: 02/23/05 1	5:30					
Total Alkalinita	324	0.400	mg/L		B5B2803	02/24/05	00/01/00		
Total Alkalinity			me L	1	B3B2803	02/24/03	02/24/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	"	1	B3B2803	11	02/24/05	EPA 310.1	
			_		B3B2603 "			EPA 310.1	
Carbonate Alkalinity	ND	0.400	"			11	ıı	u	
Carbonate Alkalinity Bicarbonate Alkalinity	ND 324	0.400 0.400	"	11	n u	17	11	u u	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity	ND 324 ND	0.400 0.400 0.400 0.500	"	11	u u n	11 11	11 11	u u u	· .
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride	ND 324 ND 282	0.400 0.400 0.400 0.500	" " Color Units	11 11 11	11 11 11	17 11 11	n n n	" " SM 4500-CI-B	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color	ND 324 ND 282 2.00	0.400 0.400 0.400 0.500 1.00	" " Color Units	11 11 11	11 11 13 15	11 11 11	u u u u	" " SM 4500-CI-B EPA 110.2	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC)	ND 324 ND 282 2.00 2420	0.400 0.400 0.400 0.500 1.00 0.100	" " Color Units µmhos/cm	11 11 11 11	11 11 13 15	11 11 11	11 17 17 11	" " SM 4500-CI-B EPA 110.2 EPA 120.1	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total)	ND 324 ND 282 2.00 2420 ND	0.400 0.400 0.400 0.500 1.00 0.100 0.0200	" " Color Units µmhos/cm	11 11 11 11 11	11 11 13 15	11 11 11 11 11	11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness	ND 324 ND 282 2.00 2420 ND 0.290 836	0.400 0.400 0.400 0.500 1.00 0.100 0.0200 0.0200	" Color Units µmhos/cm mg/L "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 12 14 14 18 19	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride	ND 324 ND 282 2.00 2420 ND 0.290 836	0.400 0.400 0.400 0.500 1.00 0.100 0.0200 0.0200 0.400	" " Color Units µmhos/cm mg/L "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness Methylene Blue Active Substances	ND 324 ND 282 2.00 2420 ND 0.290 836 ND	0.400 0.400 0.400 0.500 1.00 0.100 0.0200 0.0200 0.400 0.100	Color Units μmhos/cm mg/L " "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340 EPA 425.1	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness Methylene Blue Active Substances Nitrite as N Odor	ND 324 ND 282 2.00 2420 ND 0.290 836 ND ND	0.400 0.400 0.500 1.00 0.100 0.0200 0.400 0.100 0.0200 1.00	Color Units μmhos/cm mg/L " "	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340 EPA 425.1 SM4500-NO2B EPA 140.1	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness Methylene Blue Active Substances Nitrite as N	ND 324 ND 282 2.00 2420 ND 0.290 836 ND ND ND 2.00 6.93	0.400 0.400 0.500 1.00 0.100 0.0200 0.400 0.100 0.0200 1.00 0.100	Color Units µmhos/cm mg/L " T.O.N. pH Units		11 11 11 11 11 11 11 11 11 11 11 11 11		11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340 EPA 425.1 SM4500-NO2B	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness Methylene Blue Active Substances Nitrite as N Odor pH	ND 324 ND 282 2.00 2420 ND 0.290 836 ND ND ND 2.00 6.93 635	0.400 0.400 0.500 1.00 0.100 0.0200 0.400 0.100 0.0200 1.00 0.100 0.500	Color Units µmhos/cm mg/L " " " T.O.N.		11 11 11 11 11 11 11 11 11 11 11 11 11		11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340 EPA 425.1 SM4500-NO2B EPA 140.1 EPA 150.1	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Color Specific Conductance (EC) Cyanide (total) Fluoride Total Hardness Methylene Blue Active Substances Nitrite as N Odor pH Sulfate as SO4	ND 324 ND 282 2.00 2420 ND 0.290 836 ND ND ND 2.00 6.93	0.400 0.400 0.500 1.00 0.100 0.0200 0.400 0.100 0.0200 1.00 0.100	Color Units µmhos/cm mg/L " T.O.N. pH Units mg/L		11 11 11 11 11 11 11 11 11 11 11 11 11		11 11 11 11 11 11 11 11 11 11 11 11 11	SM 4500-CI-B EPA 110.2 EPA 120.1 EPA 335.2 EPA 340.1 SM 2340 EPA 425.1 SM4500-NO2B EPA 140.1 EPA 150.1 EPA 375.4	



Project: NA

32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project Number: Quarterly Wells
Project Manager: Pierre Dreher

Reported: 03/09/05 13:48

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

			mary ticar	· · · · · · · · ·			 		·
Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Tirador (0502420-05) Water S	sampled: 02/23/05 14:05	Received	: 02/23/05 1	5:30					
Total Alkalinity	318	0.400	mg/L	ı	B5B2803	02/24/05	02/24/05	EPA 310.1	
Carbonate Alkalinity	, ND	0.400	m	Ħ	11	U	11	. 0	
Bicarbonate Alkalinity	318	0.400	"	n	11	IF	11	11	
Hydroxide Alkalinity	ND	0.400	11	п,	.11	. #	u	и	
Chloride	316	0.500	"	II	я	u	и	SM 4500-Cl-B	
Color	2.00	1.00	Color Units	11	II .	tr .	n .	EPA 110.2	•
Specific Conductance (EC)	3220	0.100	μmhos/cm	Ħ	11	If	#	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	er .	u u	н	u	EPA 335.2	
Fluoride	0.640	0.0200	**	· •	п	11	· "	EPA 340.1	
Total Hardness	896	0.400	II	H	и.	II.	n	SM 2340	
Methylene Blue Active Substance	s ND	0.100	Ir	"	11	II	ji .	EPA 425.1	
Nitrite as N	ND	0.0200	н	11	n	"	II .	SM4500-NO2B	
Odor	1.00	1.00	T.O.N.		11	"	н	EPA 140.1	
На	7.02	0.100	pH Units	rt	н.,	u	19	EPA 150.1	
Sulfate as SO4	975	0.500	•	n	н	· 11	tr	EPA 375.4	
Total Dissolved Solids	2250	1.00		ır	н	11	n	EPA 160.1	
Total Suspended Solids	ND	1.00		11	11	11	н	EPA 160.2	
Turbidity	15.4	0.0200		11			n	EPA 180.1	
SBJA #2 (0502420-06) Water	Sampled: 02/23/05 14:45	Received	1: 02/23/05	15:30			,		
Total Alkalinity	388	0.400		1	B5B2803	02/24/05	02/24/05	EPA 310.1	
Carbonate Alkalinity	ND	0.400	-	u u	п	n	п ,	"	
Bicarbonate Alkalinity	388	0.400	II .	u	. "	Ħ	II	u .	
Hydroxide Alkalinity	ND	0.400		н	n	11	"	п	
Chloride	232	0.500	**	` # .	11	и	II	SM 4500-CI-B	
Color	1.00		Color Units	e	n	п	n	EPA 110.2	
Specific Conductance (EC)	2280		μmhos/cm	n .	11	11	**	EPA 120.1	
Cyanide (total)	ND	0.0200	•	у н	U	11	11	EPA 335.2	
Fluoride	0.320	0.0200	"	11	11	п	n	EPA 340.1	
Total Hardness	804	0.400	"	11			a	SM 2340	
Methylene Blue Active Substance		0.100	u		n	H	ıı	EPA 425.1	
Nitrite as N	ND	0.0200		tr.	. 11	ır	ti	SM4500-NO2B	,
Odor	1.00	1.00	T.O.N.	11	ш	11	19	EPA 140.1	
pH	7.01	0.100	pH Units	"		,,		EPA 150.1	
Sulfate as SO4	7.01 550	0.100	mg/L	11	,		"	EPA 375.4	
	1610	1.00	mg/L	n	#	II	Ħ		
Total Dissolved Solids				 D	ur			EPA 160.1	
Total Suspended Solids	ND	1.00		,,	"	"		EPA 160.2	
Turbidity	2.32	0.0200	NTU				•	EPA 180.1	

 $The \ results \ in \ this \ report \ apply \ to \ the \ samples \ analyzed \ in \ accordance \ with \ the \ chain \ of \ custody \ document. \ This \ analytical \ report \ must \ be \ reproduced \ in \ its \ entirety.$



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported: 03/09/05 13:48

Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502420-01) Water	Sampled: 02/23/05 14:35	Receive	ed: 02/23/	05 15:30					
Langlier's Index	+0.09		N/A	1	B5B2803	02/24/05	02/24/05	Calculation	
Dance Hall (0502420-02) Wate	er Sampled: 02/23/05 15:0	0 Receiv	ed: 02/23	3/05 15:30					
Langlier's Index	+0.37		N/A	1	B5B2803	02/24/05	02/24/05	Calculation	
Kinoshita (0502420-03) Water	Sampled: 02/23/05 14:30	Receive	d: 02/23/0	05 15:30					
Langlier's Index	+0.34		N/A	1	B5B2803	02/24/05	02/24/05	Calculation	
SBJA #4 (0502420-04) Water	Sampled: 02/23/05 14:40	Received	: 02/23/05	5 15:30					
Langlier's Index	+0.26		N/A	1	B5B2803	02/24/05	02/24/05	Calculation	
Tirador (0502420-05) Water	Sampled: 02/23/05 14:05	Received:	02/23/05	15:30					
Langlier's Index	+0.25		N/A	ī	B5B2803	02/24/05	02/24/05	Calculation	
SBJA #2 (0502420-06) Water	Sampled: 02/23/05 14:45	Received	: 02/23/05	5 15:30					
Langlier's Index	+0.34		N/A	1	B5B2803	02/24/05	02/24/05	Calculation	
							•		



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported:

03/09/05 13:48

Anions by EPA Method 300.0

		Reporting	** **	n					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502420-01) Water	Sampled: 02/23/05 14:35	Receive	d: 02/23	05 15:30					
Nitrate as N	1.70	0.0200	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 300.0	
Dance Hall (0502420-02) Wate	r Sampled: 02/23/05 15:00	0 Receive	ed: 02/23	3/05 15:30			•		
Nitrate as N	1.20	0.0200	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 300.0	
Kinoshita (0502420-03) Water	Sampled: 02/23/05 14:30	Received	1: 02/23/	05 15:30			٠		
Nitrate as N	1.10	0.0200	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 300.0	
SBJA #4 (0502420-04) Water	Sampled: 02/23/05 14:40	Received:	02/23/0	5 15:30				_	
Nitrate as N	0.800	0.0200	mg/L	. 1	B5B2803	02/24/05	02/24/05	EPA 300.0	-
Tirador (0502420-05) Water	Sampled: 02/23/05 14:05	Received:	02/23/05	15:30					
Nitrate as N	0.900	0.0200	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 300.0	
SBJA #2 (0502420-06) Water	Sampled: 02/23/05 14:45	Received:	02/23/0	5 15:30					
Nitrate as N	1.30	0.0200	mg/L	1	B5B2803	02/24/05	02/24/05	EPA 300.0	



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Quarterly Wells

Reported:

03/09/05 13:48

Project Manager: Pierre Dreher Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0502420-01) Water	Sampled: 02/23/05 14:35	Receive	d: 02/23/0	5 15:30					
Silver	ND	0.0030	mg/L	1	B5B2517	02/25/05	02/28/05	EPA 200.7	
Aluminum	ND	0.063	17	н	M	O.	II	n ·	
Arsenic	ND	0.025	17	11	10	и,	02/28/05	u	
Barium	0.055	0.019	ır	11	u	"	11	n	
Beryllium	ND	0.0090	n	11	11	IF-	02/28/05		
Calcium	250	0.53	n	n	H	и .	02/28/05	11	
Cadmium	ND	0.0040	n	н	11	и	02/28/05	u	
Cobalt	ND	0.0060	it.	19	11	. n	. 11	п	
Chromium	ND	0.0060	lt .	U)	ii .	H		n	
Copper	ND	0.012	н	п		11	02/28/05	11	
Iron	0.23	0.064	н	н	**	11	02/28/05	и	
Mercury	ND	0.00073	#	Ħ	B5C0320	03/03/05	03/03/05	EPA 245.1	
Potassium	4.3	0.90		. 10	B5B2517	02/25/05	02/28/05	EPA 200.7	•
Magnesium	46	0.41	"	11	"	ìr	02/28/05	II .	
Manganese	0.12	0.011	н	н .	**	"	n	n	
Molybdenum	ND	0.028	н .	н	"	"	02/28/05	Ħ	
Sodium	160	0.71	10	11	II .	11	02/28/05	tt	
Nickel	ND	0.010	"	If	II .	H .	02/28/05	"	
Lead .	ND	0.019	0	it .	11	n	, и .	Ħ	
Antimony	ND	0.023	н	11	u	11	It	11	
Selenium	ND	0.026	и .	11	u	11	Ħ	u	
Thallium	ND	0.011	11	II.	н	u	**	n	
Vanadium	ND	0.012	11	11	19	n	It	n	
Zinc	ND	0.024	"	11	11	н	n		



32470 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported: 03/09/05 13:48

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0502420-02) Water	Sampled: 02/23/05 15	:00 Receive	ed: 02/23/	/05 15:30					
Silver	ND	0.0030	mg/L	1	B5B2517	02/25/05	02/28/05	EPA 200.7	
Aluminum	ND	0.063	n	11	11	u u	**	u u	
Arsenic	ND	0.025	Ħ	n	ıı	11	11	и .	
Barium	0.067	0.019	Ħ	"	н ′	и .	11	n	
Beryllium	ND	0.0090	н	. "	n	11	tr.	11	
Calcium	280	0.53	n	n	n	"	02/28/05	11	
Cadmium	ND	0.0040	n	. "	н	н	02/28/05	**	
Cobalt	ND	0.0060	н	"	n	Ħ	II .	11	
Chromium	ND	0.0060	п	"	17	#	II	17	
Copper	ND	0.012	н	**	н .	#	II	, u	
Iron	4.3	0.064	n	**	17	**	11	R	
Mercury	ND	0.00073	н	11	B5C0320	03/03/05	03/03/05	EPA 245.1	
Potassium	6.5	0.90	n	Ħ	B5B2517	02/25/05	02/28/05	EPA 200.7	
Magnesium	78	0.41	"	**	и ,		02/28/05	n	
Manganese	1.9	0.011	n		11	u		n	
Molybdenum	ND	0.028	**	11	**	u		n .	
Sodium	260	0.71	**		R	II	02/28/05	**	
Nickel	ND	0.010	19	"	п	, н	02/28/05	II	•
Lead	ND	0.019	*		п	n		H*	
Antimony	ND	0.023	15	ıı	н ,	n	u	H	
Selenium	ND	0.026		. "	11	m	n	н	•
Thallium	ND	0.011	**	, 11	н .	Ħ	n	. #	
Vanadium	ND	0.012		n	"	11	"	п	
Zinc	ND	0.024	"	п	т.	a = *	n .		



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported:

03/09/05 13:48

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0502420-03) Water	Sampled: 02/23/05 14:30	Received	l: 02/23/0	5 15:30					
Silver	. ND	0.0030	mg/L	1	B5B2517	02/25/05	02/28/05	EPA 200.7	
Aluminum	ND	0.063	11	IF	. 11	11	"	Ħ	
Arsenic	ND	0.025	"		**	11	02/28/05	11	
Barium	0.085	0.019	u	n	",	**	02/28/05	W.	
Beryllium	ND	0.0090	u	11	II .	11	n .	II.	
Calcium	260	0.53		11	н	u	02/28/05	. н	
Cadmium	ND	0.0040	n	II	n	11	02/28/05	11	
Cobalt	ND	0.0060	11	U	11	n	11	H .	
Chromium	ND ·	0.0060	11	II .	11	. п	II .	II	
Copper	ND	0.012	u	n		"	02/28/05	11	
Iron	2.6	0.064		19	n	u	n .	Ħ	
Mercury	ND	0.00073	n	11	B5C0320	03/03/05	03/03/05	EPA 245.1	
Potassium	4.3	0.90	n	и	B5B2517	02/25/05	02/28/05	EPA 200.7	
Magnesium	50	0.41	11	и .	tt.	n	02/28/05	ır	
Manganese	0.56	0.011	**		. "	u	n	"	
Molybdenum	ND	0.028	"	H	н	u	02/28/05	н .	
Sodium	120	0.71		11	Ħ,	n	02/28/05	"	
Nickel	ND	0.010		u	"	H	02/28/05	n .	
Lead	ND	0.019			IF	**	**	н	
Antimony	ND	0.023		н	п	а	n	Ħ	
Selenium	ND	0.026	11	. н	н.	u	11	и	•
Thallium	ND	0.011	tr .	**	11	**	u ,	, и	
Vanadium	ND	0.012	, ir	Ħ	18		n .	. 19	
Zinc	ND	0.024	и .	u	II .	11	н,	r r	



ECO Resources Inc. 32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported: 03/09/05 13:48

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SBJA #4 (0502420-04) Water	Sampled: 02/23/05 14:40	Received:	02/23/0	5 15:30					
Silver	ND	0.0030	mg/L	. 1	B5B2517	02/25/05	02/28/05	EPA 200.7	
Aluminum	ND	0.063	rt	li .	ıı	R	**	ıı	
Arsenic	ND	0.025	11	II	, n	. "	n		
Barium	0.073	0.019	11	H	I ·	11	17	и	
Beryllium	ND	0.0090	11	н	11	11	10	u	
Calcium	290	0.53	u	. "	11	u,	02/28/05	II .	
Cadmium	ND	0.0040	u	Ħ	u	H	02/28/05	u	
Cobalt	ND	0.0060	II .		n n	п	н	п	
Chromium	ND	0.0060	u	11	. " .	и.	19	п	
Copper	ND	0.012	u	11	u	· n	11	11	
Iron	0.39	0.064	11	II .	H	11	11	Ħ	
Mercury	ND	0.00073	*	11	B5C0320	03/03/05	03/03/05	EPA 245.1	
Potassium	5.8	0.90	"	H	B5B2517	02/25/05	02/28/05	EPA 200.7	
Magnesium	60	0.41	11	**	#	II	02/28/05	n	
Manganese	0.81	0.011		"	п	н	n		
Molybdenum	ND	0.028			u u	Ħ	".	. "	
Sodium	220	0.71		"	n n	. "	02/28/05	u u	
Nickel	ND	0.010	, н	11	"	н	02/28/05	н	
Lead	ND	0.019	11	11	11	It	n	11	
Antimony	ND	0.023	ŧ†	н	11	. 11	n	II .	
Selenium	ND	0.026	19	. 11	a	11	и	H.	
Thallium	ND	0.011	le .	, 11	н	n	ii .	n	
Vanadium	ND	0.012	и ·	**	**	11	ıı	Ħ	
Zinc	ND	0.024	н	u	Ħ	ii	n	и .	•