

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

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

### Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07 09:30	Receive	d: 09/2	6/07 11:00		·			
Langlier's Index	+0.39		N/A	1	B7J0306	09/26/07	09/26/07 14:23	Calculation	
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07 09:50	Receive	d: 09/2	6/07 11:00					
Langlier's Index	+0.31		N/A	I ·	B7J0306	09/26/07	09/26/07 14:23	Calculation	
Dance Hall (0709492-03) Water	Sampled: 09/26/07 10:40	Received	: 09/26	/07 11:00					
Langlier's Index	+0.49		N/A	1	B7J0306	09/26/07	09/26/07 14:23	Calculation	
Tirador (0709492-04) Water Sa	impled: 09/26/07 10:20 Re	ceived: 09	0/26/07	11:00					•
Langlier's Index	+0.40		N/A	1	B7J0306	09/26/07	09/26/07 14:23	Calculation	



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## Anions by EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07 09	:30 Recei	ved: 09/2	6/07 11:00			- · · · · · · · · · · · · · · · · · · ·		
Nitrate as N Nitrate as NO3	1.50 6.67	0.0200 0.100	mg/L	1	B7J0306	09/26/07	09/26/07 14:23	EPA 300.0	
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07 09	:50 Receiv	ved: 09/2	6/07 11:00					
Nitrate as N Nitrate as NO3	1.60 7.12	0.0200 0.100	mg/L "	1	B7J0306	09/26/07	09/26/07 14:23	EPA 300.0	
Dance Hall (0709492-03) Water	Sampled: 09/26/07 10:	40 Receive	ed: 09/26	/07 11:00		ē			
Nitrate as N Nitrate as NO3	1.80 8.01	0.0200 0.100	mg/L "	1	B7J0306	09/26/07	09/26/07 14:23	EPA 300.0	
Tirador (0709492-04) Water Sa	ampled: 09/26/07 10:20	Received:	09/26/07	11:00					
Nitrate as N Nitrate as NO3	2.10 9.34	0.0200 0.100	mg/L "	1	B7J0306	09/26/07	09/26/07 14:23	EPA 300.0	



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## Total Organic Carbon (TOC) by SM 5310 B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07 09:30	Recei	ved: 09/2	6/07 11:00		·			
Total Organic Carbon	1.8	0.50	mg/L	1	B7I2808	10/01/07	10/01/07 11:45	SM 5310 B	
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07 09:50	Recei	ved: 09/2	6/07 11:00					
Total Organic Carbon	3.4	0.50	mg/L	1	B7I2808	10/01/07	10/01/07 12:02	SM 5310 B	
Dance Hall (0709492-03) Water	Sampled: 09/26/07 10:40	Receiv	ed: 09/26	/07 11:00		· 			
Total Organic Carbon	3.7	0.50	mg/L	1	B7I2808	10/01/07	10/01/07 12:20	SM 5310 B	
Tirador (0709492-04) Water Sa	mpled: 09/26/07 10:20 Re	eceived:	09/26/07	11:00			•		
Total Organic Carbon	4.5	0.50	mg/L	1	B7I2808	10/01/07	10/01/07 12:38	SM 5310 B	



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### Metals by EPA 200 Series Methods

#### Sierra Analytical Labs, Inc.

		Sierra Ai	iaiyuca	11 Laus, I	uc.	·			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07	09:30 Receiv	ved: 09/2	26/07 11:00			,	<del>-</del>	
Silver	ND	0.003000	mg/L	1	B7I2807	09/28/07	09/28/07 18:24	EPA 200.7	
Aluminum	ND	0.06300	19	"	1)	"	**	II	
Arsenic	ND	0.02500	11	n	11	11	**	II	
Barium	0.05633	0.01900	**	11	11	11	17	II .	
Beryllium	ND	0.009000	11	11	11	11	"	ıı	
Calcium	277.0	0.5300	Ħ	11	n	. "	09/28/07 18:22	**	
Cadmium	ND ND	0.004000		11	H	11	09/28/07 18:24	n	
Chromium	. ND	0.006000	<b>"</b> ,	n	n	11	n .	"	
Copper	ND	0.01200	"	1)	n .	**		**	•
Iron	0.3327	0.06400	. 11	n	11	u	п	,	
Mercury	ND	0.00073	"	. "	B7J0307	10/03/07	10/03/07 15:02	EPA 245.1	
Potassium	4.012	0.9000	*	и ,	B7I2807	09/28/07	09/28/07 18:22		
Magnesium	54.24	0.4100	**	n	и	II .	u .	11	
Manganese	0.5165	0.01100	n	n n	"	н	09/28/07 18:24	n	
Sodium	179.6	0.7100	H	II .		п	09/28/07 18:22	и .	
Nickel	ND	0.01000	**			н	09/28/07 18:24	. 11	
Antimony	ND	0.02300	н	H	н .		н	ที	
Selenium	ND	0.02600	н		#		n .	II	
Silica (SiO2)	30.07	0.1500	. 11	n n	**	**	10/02/07 12:46	и	
Strontium	1.264	0.08900	11	n	"	11	09/28/07 18:22		
Thallium	ND	0.01100	11	tt .	11	11	09/28/07 18:24	n	
Zinc	ND	0.02400	n	Ħ	. 11	#	"	· н	
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07		·	C/07 11.00			•		
<del></del>	<del></del>			<del></del>					
Silver	ND	0.003000	mg/L	1	B7I2807	09/28/07	09/28/07 18:29		
Aluminum	. ND	0.06300		11	II	H	"	11	
Arsenic	. ND	0.02500	#	11	н	. "	09/28/07 18:30	11	
Barium	0.06621	0.01900	**	n	"		09/28/07 18:29	11	
Beryllium	ND	0.009000	n	n	11	II .	n n	11	
Calcium	283.0	0.5300	11	II	11	II.	09/28/07 18:27	11	
Cadmium	ND	0.004000	"	n	Ħ	n	09/28/07 18:30	"	
Chromium	ND	0.006000	. 11	II	*1	11	**	"	
Copper	ND	0.01200	111	II .	"	**	09/28/07 18:29	II.	
Iron	0.6623	0.06400	"	11	11	n	11	. "	
Mercury	ND	0.00073	u	17	B7J0307	10/03/07	10/03/07 15:08	EPA 245.1	
Potassium	5.217	0.9000		n	B7I2807	09/28/07	09/28/07 18:27		
Magnesium	70.80	0.4100	"	. "		"	II	11	
		2	11	11	18	n	09/28/07 18:29	11	
Manganese	0.9865	0.01100					07/20/07 10.27		
0	0.9865 221.0	0.01100 0.7100	11	ıı	n	. 11	09/28/07 18:27	n	
<b>Manganese Sodium</b> Nickel					11	. #		n	



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# Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07	09:50 Receiv	ed: 09/20	6/07 11:00					
Selenium	ND	0.02600	mg/L	1	B7I2807	09/28/07	09/28/07 18:30	EPA 200.7	
Silica (SiO2)	25.95	0.1500	**	n	n	u	10/02/07 12:49	11	
Strontium	1.339	0.08900	"	II .	111	II	09/28/07 18:27	. 11	
Thallium	ND	0.01100		11	"	11	09/28/07 18:30	11	
Zinc	ND	0.02400		11	**	"	"	**	
Dance Hall (0709492-03) Water	Sampled: 09/26/07 1	0:40 Receive	ed: 09/26/	07 11:00					
Silver	ND	0.003000	mg/L	1	B712807	09/28/07	09/28/07 19:40	EPA 200.7	<del></del>
Aluminum	ND	0.06300	11	Ħ	.00	#	. 0	tr	
Arsenic	ND	0.02500	" .	10	11	19	09/28/07 19:41	#	
Barium	0.06014	0.01900	, #	If	"	. 11	09/28/07 19:40	11	
Beryllium	ND	0.009000	11	II .	11 .	· n	n	n	
Calcium	310.3	0.5300	II .	п ,	11		09/28/07 19:38	11	
Cadmium	ND	0.004000	u .	II	11	11	09/28/07 19:41	11	
Chromium	ND	0.006000	II .	п	11	11	**	"	•
Copper	ND	0.01200	II .	11	n	u	09/28/07 19:40	**	
Iron	2.520	0.06400	n	11	**	II .	11	"	
Mercury	ND	0.00073	, n	. "	B7J0307	10/03/07	10/03/07 15:10	EPA 245.1	
Potassium	4.950	0.9000	n ^	11	B7I2807	09/28/07	09/28/07 19:38	EPA 200.7	
Magnesium	78.18	0.4100	11	11	**		11	ri .	
Manganese	1.827	0.01100	n	n	"	11	09/28/07 19:40	H ·	
Sodium	247.8	0.7100	. #	11	. "	n	09/28/07 19:38	II .	
Nickel	ND	. 0.01000	n	n	ır	. 11	09/28/07 19:41	n	
Antimony	ND	0.02300	Ħ	tt .	H	II .	. "	n	
Selenium	ND	0.02600	Ħ	tr .	и	n	n ,	II	
Silica (SiO2)	31.09	0.1500	11	11	н	ır	10/02/07 13:12	II	
Strontium	1.416	0.08900	11	"	H	11	09/28/07 19:38	11	
Thallium	ND	0.01100	ıı	II .	н	11	09/28/07 19:41	n	
Zinc	ND 1	0.02400	11	п	D	11	n	11	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07 09:30	Receiv	ved: 09/26	5/07 11:00			· , , , , · · · · · · · · · · · · · · ·	<del></del> , , , , , , , , , , , , , , , , , ,	
Benzene	ND	1.0	μg/L	1	B7I2608	09/26/07	09/28/07 08:53	2 EPA 8260B	
Bromobenzene	ND	1.0	IF	Ħ	17	н	II	II	
Bromochloromethane	ND	1.0	н '	11	H	Ü	. "	ıı	
Bromodichloromethane	ND	1.0		u	u	n .	п	ıı	
Bromoform	ND	1.0	н	ti	11	11	· п	II .	
Bromomethane	ND	1.0	11	n	11	II	н	n	
n-Butylbenzene	ND	1.0	11	и	ii	• н	11	n	
sec-Butylbenzene	ND	1.0	11	11 -	11	n	· n	11	
tert-Butylbenzene	ND	1.0	**	н .	11	n	п	H	
Carbon tetrachloride	ND	1.0	n	11	11	n	**	If	
Chlorobenzene	ND	1.0	n	11	11	n	n	ıt	
Chloroethane	ND	1.0	"	n	11	, "	н		
Chloroform	ND	1.0	It	. 11	11	17	н	н	. •
Chloromethane	ND	1.0	. 11	"	. "	Ħ	н	n	
2-Chlorotoluene	ND	1.0	II	**		11	н	11	
4-Chlorotoluene	ND	1.0	11	Ħ	, ti		н	H	
Dibromochloromethane	ND	1.0	Ir	Ħ	**	. "	11	n	
1,2-Dibromo-3-chloropropane	ND	5.0	11	u	*	11	11	Ħ	•
1,2-Dibromoethane (EDB)	ND	1.0	11	н	**	#	11	*	•
Dibromomethane	ND	1.0	11	ш	H	. 11		n .	
1,2-Dichlorobenzene	ND	1.0	11	. "	**	11	n	. "	
1,3-Dichlorobenzene	ND	1.0	**	н	**	u	u ,	. "	
1,4-Dichlorobenzene	ND	1.0	11	H	. "	n	11	11	
Dichlorodifluoromethane	ND	1.0	n	Ħ		"	U	ti .	
1,1-Dichloroethane	ND	1.0	n	n		II .	n	11	
1,2-Dichloroethane	ND	1.0	H	n	u	II .	• .	Ħ	
1,1-Dichloroethene	ND	1.0	н	п	11	II	n	11	
cis-1,2-Dichloroethene	ND	1.0	n	II .	11	n	. п	n	
trans-1,2-Dichloroethene	ND	1.0	n	II .	u	II	n	и ,	
1,2-Dichloropropane	ND	1.0	н	"	n	11	n	91	
1,3-Dichloropropane	ND	1.0	n	11	11	11	u	11	
2,2-Dichloropropane	ND	1.0	n	ıı	II .	11	. "	11	
1,1-Dichloropropene	ND	1.0	н	11		н	11	11	
cis-1,3-Dichloropropene	ND	1.0	n	, <b>n</b>	и .	11	u	Ħ	
trans-1,3-Dichloropropene	ND	1.0	n	n		11	u	11	
Ethylbenzene	ND	1.0	, н	ıı	u	н	u	Ħ	
Hexachlorobutadiene	ND	1.0	11	ıı	II .	#		11	
Isopropylbenzene	ND	1.0	Ħ	"	*	11	n .	<b>H</b> .	
p-Isopropyltoluene	ND	1.0	n	п	"	II	п	11	
Methylene chloride	ND	1.0	n	н		11	n	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.



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### Volatile Organic Compounds by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Well SJBA2 (0709492-01) Water	Sampled: 09/26/07 09:30		ved: 09/26/0						
····································					Datacoo	00/06/07		ED4 8060D	
Methyl tert-butyl ether	ND ND	1.0	μg/L "	1	B7I2608	09/26/07	09/28/07 08:52	EPA 8260B	
Naphthalene	ND ND	1.0			11-	11			
n-Propylbenzene	ND ND	1.0	11		tr	n			
Styrene		1.0	"			,,			
1,1,1,2-Tetrachloroethane	ND ND	1.0	11			11	"		
1,1,2,2-Tetrachloroethane		1.0	,,	"		"			
Tetrachloroethene	ND	1.0				"			
Toluene	ND	1.0		,,	. "	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	,,	. "	".	"	" H	
1,2,4-Trichlorobenzene	ND	1.0		,,	"		n		•
1,1,1-Trichloroethane	ND	1.0				"	н /	n 	
1,1,2-Trichloroethane	ND	1.0			"		n		
Trichloroethene	ND	1.0	. 11	**	11	".	u .	ti .	
Trichlorofluoromethane	ND	1.0	II .	. "	"	n .	" .	**	
1,2,3-Trichloropropane	ND	1.0	11	**	11	17	н	11	
1,2,4-Trimethylbenzene	ND	1.0	11	#	11 '	11	n n	n	
1,3,5-Trimethylbenzene	ND	1.0	11	**	n			u	
Vinyl chloride	ND	1.0	11	н	n	11	'n	Ħ	
m,p-Xylene	ND	1.0	"	н	"	**	Ħ	11	
o-Xylene	ND	1.0	<b>"</b> ,	er .	n	11	n .	11	
Surrogate: Dibromofluoromethane		88.6 %	. 86-11	8	"	"	"	. "	
Surrogate: Toluene-d8		101 %	88-11	0	n	"	n	n	
Surrogate: 4-Bromofluorobenzene		107%	86-11.	5	"	n	"	"	
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07 09:50	Receiv	ed: 09/26/0	7 11:00					
Benzene	ND	1.0	μg/L	1	B7I2608	09/26/07	09/28/07 08:52	EPA 8260B	
Bromobenzene	ND	1.0	μ <b>ω</b> υ		II	11	U9/26/U7 U6.32	" "	
Bromochloromethane	ND	1.0		**	11	11		**	
Bromodichloromethane	ND	1.0	11		"	17	n	#	
Bromoform	ND ND		**		,,	**	. 11	#	
Bromomethane	ND	1.0	"	**	11		"	. "	
	ND ND	1.0	n	**	н	"		,,	
n-Butylbenzene		1.0	11	,,					
sec-Butylbenzene	ND	1.0	 11	.,	"			:	
tert-Butylbenzene	ND	1.0	"	,,	"	, ,			
Carbon tétrachloride	ND	1.0	"	. ,	**	<b>"</b> .	"	. "	
Chlorobenzene	ND	1.0	"		11		"	"	
Chloroethane	ND	1.0	11	"	**	"	н	n	
Chloroform	ND	1.0	11	11	n	"	н	11	
Chloromethane 2-Chlorotoluene	ND ND	1.0 1.0	11	"	n	"	u	11	



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## Volatile Organic Compounds by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	Re Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Well SJBA4 (0709492-02) Water	Sampled: 09/26/07 09:50	Receiv	ed: 09/2	6/07 11:00					
4-Chlorotoluene	ND	1.0	μg/L	1	B7I2608	09/26/07	09/28/07 08:5	2 EPA 8260B	
Dibromochloromethane	ND	1.0	**	II	Ħ	11	11	"	
1,2-Dibromo-3-chloropropane	ND	5.0	11		<b>"</b> .	**	. "	. ' "	
1,2-Dibromoethane (EDB)	ND	1.0	17	II .	*	#	II .	II .	
Dibromomethane	ND	1.0	n .	II .	n	"	II .	. "	
1,2-Dichlorobenzene	ND	1.0	tt	"	#	11	**	R	•
1,3-Dichlorobenzene	ND .	1.0	Ħ	"	n	n	. "	u	•
1,4-Dichlorobenzene	ND	1.0	ir	II	. "	n	II .	. "	
Dichlorodifluoromethane	ND	1.0	11	11		**	II	**	
1,1-Dichloroethane	ND	1.0	**	11	**	"	II	н	
1,2-Dichloroethane	ND	1.0	17	, II	m	"	u ,	**	
1,1-Dichloroethene	ND	1.0	#	п	۳.	11	н	**	
cis-1,2-Dichloroethene	ND	1.0	**	и :		11	Ħ	n	
trans-1,2-Dichloroethene	ND	1.0	. "	п	**	11	Ħ	**	
1,2-Dichloropropane	ND	1.0	H	5 n	n	n .	* # .	n	
1,3-Dichloropropane	ND	1.0	11	н	**	n	н	#	
2,2-Dichloropropane	ND	1.0	H	H	n	n	н	11	
1,1-Dichloropropene	ND	1.0	11	н	11	11	н	11	
cis-1,3-Dichloropropene	ND	1.0	11	11	n	n	и .	**	
trans-1,3-Dichloropropene	ND	1.0	η,	u	n	н	н	, n	
Ethylbenzene	ND	1.0	11	ıt	!!			71	
Hexachlorobutadiene	ND	1.0	n	**	, n	н	, ,	n	
Isopropylbenzene	ND	1.0	11		11	н	"	11	
p-Isopropyltoluene	ND	1.0	11	**	n	11	,,	71	
Methylene chloride	ND	1.0	n	**	11	, H	11	"	
Methyl tert-butyl ether	ND	1.0	. "	. #	u	"	"	11	
Naphthalene	ND	1.0	11	**	н	**	11	11	
n-Propylbenzene	ND	1.0	11	. "		**	11	п	
Styrene	ND	1.0	11	**		"	. 11	п	
1,1,1,2-Tetrachloroethane	ND	1.0	11	n,	#	n	11	11	
1,1,2,2-Tetrachloroethane	ND .	1.0	11	11	п		11	n .	
Tetrachloroethene	ND	1.0	. "	n ,	17	11	n	· n	
Toluene	ND	1.0	и	ıı	17	и			
1,2,3-Trichlorobenzene	ND	1.0	11	п	, n		п	**	
1,2,4-Trichlorobenzene	ND	1.0		11	n		. 11	,,	
1,1,1-Trichloroethane	ND	1.0		11		17	и.	"	
1,1,2-Trichloroethane	ND	1.0		Ħ	u	,,			
Trichloroethene	ND	1.0	. "	11	ш	"	**	11	
Trichlorofluoromethane	ND		**	11	п	"		n	
1,2,3-Trichloropropane	ND ND	1.0	n ·	,,	u	11	,,	. 11	
1,2,3-1 nenioropropane	ND	1.0	-		-	-	n	.,	



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32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Wells Quarterly Project Manager: Pierre Dreher Reported: 10/04/07 11:15

### Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
				6/07 11:00			7 11111 7 2011			
Well SJBA4 (0709492-02) Water				<del></del>						
1,2,4-Trimethylbenzene	ND	1.0	μg/L "	1	B7I2608	09/26/07	09/28/07 08:5	2 EPA 8260B	,	
1,3,5-Trimethylbenzene	ND	1.0	"			n	"	"		
Vinyl chloride	ND	1.0	"	,,		17	п	"		
m,p-Xylene	ND	1.0	"	"	. "	ir	II .	"	•	
o-Xylene	ND	1.0				· · · · · ·		" · · · · · · · · · · · · · · · · · · ·		
$Surrogate:\ Dibromofluoromethane$		86.6 %		118	"	. "	"	"		
Surrogate: Toluene-d8		98.0 %	88-	110	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		108 %	86-	115	"	n,	"	"		
Dance Hall (0709492-03) Water	Sampled: 09/26/07 10:40	Receiv	ed: 09/26	/07 11:00						
Benzene	ND	. 1.0	μg/L	1	B7I2608	09/26/07	09/28/07 08:5	2 EPA 8260B		
Bromobenzene	ND	1.0	11	. "	n	и .	и	11	-	
Bromochloromethane	ND	1.0	11		11	II .	n	n		
Bromodichloromethane	ND	1.0	"	II .	Ħ .	**		. #		
Bromoform	ND	1.0	n	n	11	#	n ,	u		
Bromomethane	ND	1.0	Ħ	n n	n	11	n	a a		
n-Butylbenzene	ND	1.0	**	n	11	н	11	Ð		
sec-Butylbenzene	ND	1.0	H	n	11	"	п	n		
tert-Butylbenzene	ND	1.0	"	n	"	н	, "	u		
Carbon tetrachloride	ND	1.0	n	n	11		11	. ' #		
Chlorobenzene	ND	1.0	н	'n	11	11	. "	н		
Chloroethane	ND	1.0	**	n	11 .		11	. "		
Chloroform	ND	1.0	н .	n .	n	er er	. 11			
Chloromethane	ND	1.0	и	n	71	, и		n		
2-Chlorotoluene	ND ·	1.0	. я	"	11	п	**			
4-Chlorotoluene	ND	1.0	H	"	11	n	n ·	n		
Dibromochloromethane	ND	1.0	н -	"	**	lt .	11	u		
1,2-Dibromo-3-chloropropane	ND	5.0		n	11	u		0		
1,2-Dibromoethane (EDB)	ND	1.0		"	11	"	11	n .		
Dibromomethane	ND	1.0		n	11	#	11	n		
1,2-Dichlorobenzene	ND	1.0	' н	u u	11	er	11	n		
1,3-Dichlorobenzene	ND	1.0	e		11	11	n	n		
1,4-Dichlorobenzene	ND	1.0	н		и,	i ·		n		
Dichlorodifluoromethane	ND	1.0		ıı	11	11	11	н		
1.1-Dichloroethane	ND	1.0	n.	n	и	**		n		
1,2-Dichloroethane	ND '	1.0	**	n			9 n	, "		
1,1-Dichloroethene	ND	1.0	lt .	n		"	n .	ft		
cis-1,2-Dichloroethene	ND	1.0	a	**	. "	11	n	11		
trans-1,2-Dichloroethene	ND	1.0	н	н	ır	11	11	11		
1,2-Dichloropropane	· ND	1.0	**	11	"	н	II	Ħ		
1,2 Diomotopropatio	110	1.0								



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0709492-03) Water	Sampled: 09/26/07 10:40	Receive	ed: 09/26/0	7 11:00				_	
1,3-Dichloropropane	ND	1.0	μg/L	1	B712608	09/26/07	09/28/07 08:5	2 EPA 8260B	
2,2-Dichloropropane	ND	1.0	. 11		"	H	. и	u	
1,1-Dichloropropene	ND	1.0	11	"	"	<b>"</b> \	u '	H ·	
cis-1,3-Dichloropropene	ND	1.0	1)	"	"	"	II.	11	
trans-1,3-Dichloropropene	ND	1.0	**	U	11	**	n n	n	
Ethylbenzene	ND	1.0	11	u	n	Ħ	· ·		,
Hexachlorobutadiene	ND	1.0	11	a.	U	II .	u	11	
Isopropylbenzene	ND	1.0	n	u	II	11	·. #	11	
p-Isopropyltoluene	ND	1.0	17	u	. "	*	и	. 11	
Methylene chloride	ND	1.0	17	u	"	. "		#	
Methyl tert-butyl ether	ND	1.0	**	"		**	u u	11	
Naphthalene	ND	1.0	17	n	u u	Ħ		n ;	
n-Propylbenzene	ND	1.0	**	0	II .	Ħ	**	N	
Styrene	ND	1.0	**		n .	**		Ħ	
1,1,1,2-Tetrachloroethane	ND	1.0	" n		II	**	" .	и.	
1,1,2,2-Tetrachloroethane	ND	1.0	11		II .	**	**		
Tetrachloroethene	ND	1.0	n	U ,	II .	11		н	
Toluene	ND	1.0	, n	п	. "	. "	"	н	٠.
1,2,3-Trichlorobenzene	ND	1.0	11	U	II .	**	"	н .	
1,2,4-Trichlorobenzene	ND	1.0	n	u	11	11	"	н	
1,1,1-Trichloroethane	ND	1.0	n	11	н	Ħ	n	19	
1,1,2-Trichloroethane	ND	1.0	n .	n	11	11	**	17	
Trichloroethene	ND	1.0	11	п	11	"	"	. "	
Trichlorofluoromethane	ND	1.0	11	u		,	"	w ,	
1,2,3-Trichloropropane	ND	1.0	11	u	11	37	. "	II .	
1,2,4-Trimethylbenzene	ND	1.0	n .	11	"	n	, n	11	
1,3,5-Trimethylbenzene	ND	1.0	11		u	. 11	11	11	
Vinyl chloride	ND	1.0	n	.11	ıı	n	11	n	
m,p-Xylene	ND	1.0	n	*	tt	n	11	11	
o-Xylene	ND	1.0	II .	#	"	11	. 11	Ħ	
Surrogate: Dibromofluoromethane		88.4 %	86-1	<u> </u>	"	"	"	<i>n</i> ' .	
Surrogate: Toluene-d8		98.0 %	88-1	10	n	n	"	"	
Surrogate: 4-Bromofluorobenzene	•	109 %	86-1	15	n	n	. "	"	

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.



32470 Paseo Adelanto

Project: NA

Project Number: Wells Quarterly

Reported: Project Manager: Pierre Dreher 10/04/07 11:15

San Juan Capistrano CA, 92675

### 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 B7I2808 - Organic Carbon

Blank (B7I2808-BLK1) Prepared & Analyzed: 10/01/07 Total Organic Carbon 0.50



Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

San Juan Capistrano CA, 92675

# 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 B7I2807 - EPA 200 Series								٠		
Blank (B7I2807-BLK1)				Prepared	& Analyzo	ed: 09/28/0	07			
Aluminum	ND	0.06300	mg/L							
Antimony	ND	0.02300	n							
Arsenic	ND	0.02500	11							
Barium	ND	0.01900	**							
Beryllium	ND	0.009000	u							
Cadmium	· ND	0.004000	II .		·					•
Calcium	ND	0.5300	n							
Chromium	ND	0.006000	Ħ						•	
Copper	ND	0.01200	ıı							
(ron	ND	0.06400	11							
Magnesium	ND	0.4100	n				x.			
Manganese	ND	0.01100	π.							
Nickel	NĐ	0.01000	. 11							
Potassium	ND	0.9000	u							
Selenium	ND	0.02600	"							
Silver	ND	0.003000	Ħ							
Sodium	· ND	0.7100	**					*		
Strontium	ND	0.08900	u							
<b>Fhallium</b>	ND.	0.01100	. "							
Zinc	ND	0.02400	11							
Silica (SiO2)	ND	0.1500	**			•				
Blank (B7I2807-BLK2)				Prepared	& Analyza	ed: 09/28/0	07			
Aluminum	ND	0.06300	mg/L	2.201.00						
Antimony	ND	0.02300	D							
Arsenic	ND	0.02500	n							
Barium	ND	0.01900	Ħ							
Beryllium .	ND	0.009000	11							
Cadmium	ND	0.004000	n							
Calcium	ND	0.5300	n n							
Chromium	ND	0.006000	II							
Copper	ND	0.01200	n							
ron	ND	0.06400	n,							
Magnesium	ND	0.4100	n							
Manganese	ND	0.01100	н							
Vickel	ND	0.01000	11							
TOTO	ND	0.9000	11							



32470 Paseo Adelanto

Project: NA

Project Number: Wells Quarterly

Reported: 10/04/07 11:15

San Juan Capistrano CA, 92675 Project Manager: Pierre Dreher

### Metals by EPA 200 Series Methods - Quality Control

### Sierra Analytical Labs, Inc.

	D	Reporting		Spike	Source	0/DEC	%REC	DDD.	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B7I2807 - EPA 200 Series	<u> </u>									
Blank (B7I2807-BLK2)				Prepared &	& Analyze	ed: 09/28/	07			
Selenium	ND	0.02600	mg/L							
Silver	ND	0.003000	77							
Sodium	ND	0.7100	u							
Strontium	ND	0.08900	"					*		
Thallium	ND	0.01100	."							
Zinc	ND	0.02400	**					•		
Silica (SiO2)	ND	0.1500	u							
LCS (B7I2807-BS1)				Prepared &	& Analyze	ed: 09/28/	07			
Aluminum	0.204	0.06300	mg/L	0.200		102	75-125			
Antimony	0.220	0.02300	11	0.200		110	85-115			
Arsenic	0.212	0.02500	. 11	0.200		106	80-120			
Sarium .	0.203	0.01900	. 11	0.200		102	85-115			
Beryllium	0.210	0.009000	"	0.200		105	85-115			
Cadmium	0.197	0.004000	H	0.200		98.5	85-115	•		
Calcium	11.6	0.5300	п	10.2		114	80-120			
Chromium	0.209	0,006000	**	0.200		104	85-115			
Copper	0.205	0.01200	"	0.200		102	85-115			
ron	0.214	0.06400	*	0.200		107	70-130			
Magnesium	10.9	0.4100	n .	10.2		107	80-120	•		
Manganese	0.209	0.01100	11	0.200		104	85-115			
Nickel	0.223	0.01000	**	0.200		112	85-115			
Potassium	10.8	0.9000	ır	10.2		106	80-120			
Selenium	0.211	0.02600	11	0.200		106	85-119			
Silver	0.199	0.003000	н	0.200		99.5	85-115			
Sodium	10.2	0.7100	n	10.2		100	80-120			
Strontium	0.214	0.08900	" .	0.200		107	75-125			
<b>Fhallium</b>	0.217	0.01100	11	0.200		108	85-115			
Zinc	0.226	0.02400	u	0.200		113	85-115			
Silica (SiO2)	0.253	0.1500	п	0.200		126	60-140			



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Project: NA

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Reported:

10/04/07 11:15

#### 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 B7I2807 - EPA 200 Series										
LCS (B7I2807-BS2)				Prepared	& Analyze	d: 09/28/0	07			
Aluminum	0.201	0.06300	mg/L	0.200		100	75-125			
Antimony	0.220	0.02300	17	0.200		110	85-115			
Arsenic	0.219	0.02500	11	0.200		110	80-120			
Barium	0.206	0.01900	u	0.200	•	103	85-115			
Beryllium	0.210	0.009000	n	0.200		105	85-115			
Cadmium	0.199	0.004000	n	0.200		99.5	85-115			
Calcium	12.1	0.5300	Ħ	10.2		119	80-120			
Chromium	0.209	0.006000	Ħ	0.200		104	85-115			
Соррег	0.206	0.01200	11	0.200		103	85-115			
Iron .	0.216	0.06400	II.	0.200	•	108	70-130			
Magnesium	10.9	0.4100	. • 0	10.2		107	80-120			
Manganese	0.215	0.01100	Ħ	0.200		108	85-115			
Nickel	0.222	0.01000	Ħ	0.200		111	85-115			
Potassium	10.8	0.9000	11	10.2		106	80-120			
Selenium	0.217	0.02600	n	0.200		108	85-119			
Silver	0.199	0.003000	n	0.200	• •	99.5	85-115		•	
Sodium	10.3	0.7100	,,	10.2		101	80-120			
Strontium	0.221	0.08900	*	0.200		110	75-125			
Γhallium	0.217	0.01100		0.200		108	85-115			
Zinc	0.207	0.02400		0.200		104	85-115			
Silica (SiO2)	0.250	0.1500		0.200		125	60-140	,		
Matrix Spike (B7I2807-MS1)	So	urce: 070945	7-04	Prepared	& Analyze	d: 09/28/0	07			
Aluminum	1.79	0.06300	mg/L	0.200	1.477	156	70-130			QM-0
Antimony	0.219	0.02300	#	0.200	ND	110	70-130			
Arsenic	0.224	0.02500	u,	0.200	ND	112	70-130			
3arium	0.230	0.01900	п	0.200	0.04282	93.6	70-130			
Beryllium	0.202	0.009000	n	0.200	ND	101	70-130			
Cadmium	0.218	0.004000	11	0.200	0.02441	96.8	70-130			
Calcium	330	0.5300	. 11	10.2	305.2	243	70-130			QM-0
Chromium	0.193	0.006000	11	0.200	0.002279	95.4	75-130			
Copper	0.220	0.01200	11	0.200	0.006888	107	70-130			•
ron	0.682	0.06400	н .	0.200	0.4569	113	70-130			
Magnesium	170	0.4100	u	10.2	160.2	96.1	70-130			
Manganese	1.43	0.01100	n	0.200	1.187	122	70-130			
Nickel	0.338	0.01000	m.	0.200	0.1350	102	70-130			
Potassium	27.9	0.9000		10.2	15.15	125	70-130			



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

Project Number: Wells Quarterly

Reported: Project Manager: Pierre Dreher 10/04/07 11:15

Metals by EPA 200 Series Methods - Quality Control

Source: 0709457-04   Prepared & Analyzed: 09/28/07	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	Batch B7I2807 - EPA 200 Series										
Silver	Matrix Spike (B7I2807-MS1)	So	urce: 070945	7-04	Prepared	& Analyze	d: 09/28/	07			
Sarveting Sarvet	Selenium	0.239	0,02600	mg/L	0,200	0.01958	110	70-130			
Strontium   1.89	Silver	0.203	0.003000	и	0.200	ND	102	70-130			
Carriage	Sodium	394	0.7100	n	10.2	379.9	138	70-130			QM-07
Zine         0.303         0.02400         "         0.200         0.1000         102         70-130           Silica (SiO2)         34.7         0.1500         "         0.200         33.54         580         60-140         QM-00           Matrix Spike (B7I2807-MS2)         Source: 0709492-03         Prepared & Analyzed: 09/28/07           Aluminum         0.204         0.06300         mg/L         0.200         ND         102         70-130           Antimony         0.216         0.02300         "         0.200         ND         108         70-130           Arsenic         0.235         0.02500         "         0.200         0.01334         111         70-130           Baryllium         0.224         0.09900         "         0.200         ND         102         70-130           Cadmium         0.196         0.004000         "         0.200         ND         98.0         70-130           Cadmium         0.196         0.004000         "         0.200         ND         98.0         70-130           Calcium         315         0.5300         "         10.2         310.3         46.1         70-130           Calcium	Strontium	1.89	0.08900	n	0.200	1.630	130	70-130			QM-07
Salica (SiO2)   34.7   0.1500   " 0.200   33.54   580   60-140   QM-00   QM-	Thallium	0.176	0.01100	"	0.200	ND	88.0	70-130			
Matrix Spike (B712807-MS2)   Source: 0709492-03   Prepared & Analyzed: 09/28/07	Zinc	0.303	0.02400	u	0.200	0.1000	102	70-130			
Aluminum    0.204   0.06300   mg/L   0.200   ND   102   70-130	Silica (SiO2)	34.7	0.1500	ıı	0.200	33.54	580	60-140			QM-07
Antimony 0.216 0.02300 " 0.200 ND 108 70-130  Arsenic 0.235 0.02500 " 0.200 0.01334 111 70-130  Barium 0.255 0.01900 " 0.200 0.06014 97.4 70-130  Beryllium 0.204 0.009000 " 0.200 ND 102 70-130  Cadmium 0.196 0.004000 " 0.200 ND 98.0 70-130  Calcium 315 0.5300 " 10.2 310.3 46.1 70-130  Calcium 0.201 0.006000 " 0.200 ND 98.0 70-130  Copper 0.213 0.01200 " 0.200 ND 106 70-130  Copper 0.213 0.01200 " 0.200 ND 106 70-130  Magnesium 86.7 0.4100 " 0.200 2.520 100 70-130  Magnesium 86.7 0.4100 " 10.2 78.18 83.5 70-130  Manganese 2.00 0.01100 " 0.200 1.827 86.5 70-130  Mickel 0.201 0.01000 " 0.200 ND 100 70-130  Sickel 0.201 0.006000 " 0.200 ND 100 70-130  Sickel 0.204 0.003000 " 0.200 ND 102 70-130  Sicker 0.204 0.003000 " 0.200 ND 94.5 70-130  Sicker 0.203 0.02400 " 0.200 ND 94.5 70-130	Matrix Spike (B7I2807-MS2)	Soi	urce: 070949	2-03	Prepared	& Analyze	d: 09/28/	07			
Arsenic 0.235 0.02500 " 0.200 0.01334 111 70-130 Barium 0.255 0.01900 " 0.200 0.06014 97.4 70-130 Barium 0.204 0.009000 " 0.200 ND 102 70-130 Cadmium 0.196 0.004000 " 0.200 ND 98.0 70-130 Calcium 315 0.5300 " 10.2 310.3 46.1 70-130 QM-0** Chromium 0.201 0.006000 " 0.200 ND 106 70-130 Calcium 0.213 0.01200 " 0.200 ND 106 70-130 Calcium 0.272 0.06400 " 0.200 ND 106 70-130 Calcium 0.272 0.06400 " 0.200 ND 106 70-130 Calcium 0.201 0.001000 " 0.200 ND 106 70-130 Calcium 0.201 0.01100 " 0.200 ND 106 70-130 Calcium 0.201 0.01100 " 0.200 ND 106 70-130 Calcium 0.201 0.01100 " 0.200 ND 100 70-130 Calcium 0.201 0.01000 " 0.200 ND 100 70-130 Calcium 0.227 0.02600 " 0.200 0.01073 108 70-130 Calcium 0.227 0.02600 " 0.200 0.01073 108 70-130 Calcium 0.227 0.02600 " 0.200 0.01073 108 70-130 Calcium 0.227 0.02600 " 0.200 ND 102 70-130 Calcium 0.201 0.01000 " 0.200 ND 102 70-130 Calcium 0.189 0.01100 " 0.200 ND 94.5 70-130 Calcium 0.189 0	Aluminum .	0.204	0.06300	mg/L	0.200	ND	102	70-130			
Sarium	Antimony	0.216	0.02300	11	0,200	ND	108	70-130			
Cadmium	Arsenic	0.235	0.02500	ч.	0.200	0.01334	111	70-130			
Cadmium       0.196       0.004000       "       0.200       ND       98.0       70-130         Calcium       315       0.5300       "       10.2       310.3       46.1       70-130       QM-0         Chromium       0.201       0.006000       "       0.200       0.001242       99.9       75-130         Copper       0.213       0.01200       "       0.200       ND       106       70-130         Gron       2.72       0.06400       "       0.200       2.520       100       70-130         Magnesium       86.7       0.4100       "       10.2       78.18       83.5       70-130         Manganese       2.00       0.01100       "       0.200       ND       100       70-130         Potassium       16.5       0.9000       "       10.2       4.950       113       70-130         Selenium       0.227       0.02600       "       0.200       ND       100       70-130         Silver       0.204       0.003000       "       0.200       ND       102       70-130         Scodium       253       0.7100       "       10.2       247.8       51.0       70-130<	Barium ·	0.255	0.01900	. "	0.200	0.06014	97.4	70-130			
Calcium       315       0.5300       "       10.2       310.3       46.1       70-130       QM-0**         Chromium       0.201       0.006000       "       0.200       0.001242       99.9       75-130         Copper       0.213       0.01200       "       0.200       ND       106       70-130         ron       2.72       0.06400       "       0.200       2.520       100       70-130         Magnesium       86.7       0.4100       "       10.2       78.18       83.5       70-130         Manganese       2.00       0.01100       "       0.200       1.827       86.5       70-130         Vickel       0.201       0.01000       "       0.200       ND       100       70-130         Votassium       16.5       0.9000       "       10.2       4.950       113       70-130         Selenium       0.227       0.02600       "       0.200       0.01073       108       70-130         Silver       0.204       0.003000       "       0.200       ND       102       70-130         Strontium       1.61       0.08900       "       0.200       ND       94.5 <t< td=""><td>Beryllium</td><td>0.204</td><td>0.009000</td><td>n</td><td>0.200</td><td>ND</td><td>102</td><td>70-130</td><td></td><td></td><td></td></t<>	Beryllium	0.204	0.009000	n	0.200	ND	102	70-130			
Chromium	Cadmium	0.196	0.004000	**	0.200	ND	98.0	70-130			
Copper         0.213         0.01200         "         0.200         ND         106         70-130           gron         2.72         0.06400         "         0.200         2.520         100         70-130           Magnesium         86.7         0.4100         "         10.2         78.18         83.5         70-130           Manganese         2.00         0.01100         "         0.200         1.827         86.5         70-130           Nickel         0.201         0.01000         "         0.200         ND         100         70-130           Potassium         16.5         0.9000         "         10.2         4.950         113         70-130           Selenium         0.227         0.02600         "         0.200         0.01073         108         70-130           Silver         0.204         0.003000         "         0.200         ND         102         70-130           Scrontium         1.61         0.08900         "         0.200         ND         94.5         70-130           Cinc         0.203         0.02400         "         0.200         ND         94.5         70-130	Calcium	315	0.5300	11	10.2	310.3	46.1	70-130			QM-07
Tron	Chromium	0.201	0.006000	п	0.200	0.001242	99.9	75-130		-	
Magnesium       86.7       0.4100       "       10.2       78.18       83.5       70-130         Manganese       2.00       0.01100       "       0.200       1.827       86.5       70-130         Nickel       0.201       0.01000       "       0.200       ND       100       70-130         Potassium       16.5       0.9000       "       10.2       4.950       113       70-130         Selenium       0.227       0.02600       "       0.200       0.01073       108       70-130         Silver       0.204       0.003000       "       0.200       ND       102       70-130         Sodium       253       0.7100       "       10.2       247.8       51.0       70-130       QM-0*         Strontium       1.61       0.08900       "       0.200       1.416       97.0       70-130         Challium       0.189       0.01100       "       0.200       ND       94.5       70-130         Cinc       0.203       0.02400       "       0.200       0.006026       98.5       70-130	Copper	0.213	0.01200	n	0.200	ND	106	70-130			
Manganese         2.00         0.01100         "         0.200         1.827         86.5         70-130           Nickel         0.201         0.01000         "         0.200         ND         100         70-130           Potassium         16.5         0.9000         "         10.2         4.950         113         70-130           Selenium         0.227         0.02600         "         0.200         0.01073         108         70-130           Silver         0.204         0.003000         "         0.200         ND         102         70-130           Sodium         253         0.7100         "         10.2         247.8         51.0         70-130         QM-0*           Strontium         1.61         0.08900         "         0.200         1.416         97.0         70-130           Challium         0.189         0.01100         "         0.200         ND         94.5         70-130           Cinc         0.203         0.02400         "         0.200         0.006026         98.5         70-130	Iron	2.72	0.06400	."	0.200	2.520	100	70-130			
Nickel 0.201 0.01000 " 0.200 ND 100 70-130 Potassium 16.5 0.9000 " 10.2 4.950 113 70-130 Selenium 0.227 0.02600 " 0.200 0.01073 108 70-130 Silver 0.204 0.003000 " 0.200 ND 102 70-130 Sodium 253 0.7100 " 10.2 247.8 51.0 70-130 Strontium 1.61 0.08900 " 0.200 1.416 97.0 70-130 Challium 0.189 0.01100 " 0.200 ND 94.5 70-130 Cinc 0.203 0.02400 " 0.200 0.006026 98.5 70-130	Magnesium	86.7	0.4100	и,	10.2	78.18	83.5	70-130			
Potassium         16.5         0.9000         "         10.2         4.950         113         70-130           Selenium         0.227         0.02600         "         0.200         0.01073         108         70-130           Silver         0.204         0.003000         "         0.200         ND         102         70-130           Sodium         253         0.7100         "         10.2         247.8         51.0         70-130         QM-03           Strontium         1.61         0.08900         "         0.200         1.416         97.0         70-130           Challium         0.189         0.01100         "         0.200         ND         94.5         70-130           Zinc         0.203         0.02400         "         0.200         0.006026         98.5         70-130	Manganese	2.00	0.01100	n	0.200	1.827	86.5	70-130			
Selenium       0.227       0.02600       "       0.200       0.01073       108       70-130         Silver       0.204       0.003000       "       0.200       ND       102       70-130         Sodium       253       0.7100       "       10.2       247.8       51.0       70-130       QM-07         Strontium       1.61       0.08900       "       0.200       1.416       97.0       70-130         Challium       0.189       0.01100       "       0.200       ND       94.5       70-130         Zinc       0.203       0.02400       "       0.200       0.006026       98.5       70-130	Nickel	0.201	0.01000	'n	0.200	ND	100	70-130			
Silver     0.204     0.003000     "     0.200     ND     102     70-130       Sodium     253     0.7100     "     10.2     247.8     51.0     70-130     QM-07       Strontium     1.61     0.08900     "     0.200     1.416     97.0     70-130       Challium     0.189     0.01100     "     0.200     ND     94.5     70-130       Zinc     0.203     0.02400     "     0.200     0.006026     98.5     70-130	Potassium	16.5	0.9000	11	10.2	4.950	113	70-130			•
Silver     0.204     0.003000     "     0.200     ND     102     70-130       Sodium     253     0.7100     "     10.2     247.8     51.0     70-130     QM-07       Strontium     1.61     0.08900     "     0.200     1.416     97.0     70-130       Challium     0.189     0.01100     "     0.200     ND     94.5     70-130       Zinc     0.203     0.02400     "     0.200     0.006026     98.5     70-130	Selenium	0.227	0.02600	11	0.200	0.01073	108	70-130			
Strontium     1.61     0.08900     "     0.200     1.416     97.0     70-130       Challium     0.189     0.01100     "     0.200     ND     94.5     70-130       Zinc     0.203     0.02400     "     0.200     0.006026     98.5     70-130	Silver		0.003000	11	0.200	ND	102	70-130			
Strontium     1.61     0.08900     "     0.200     1.416     97.0     70-130       Challium     0.189     0.01100     "     0.200     ND     94.5     70-130       Zinc     0.203     0.02400     "     0.200     0.006026     98.5     70-130	Sodium	253	0.7100	11	10.2	247.8	51.0	70-130			QM-07
Zinc 0.203 0.02400 " 0.200 0.006026 98.5 70-130	Strontium	1.61	0.08900	. 11	0.200	1.416	97.0	70-130			
Zinc 0.203 0.02400 " 0.200 0.006026 98.5 70-130	Thallium	0.189	0.01100	"	0.200	ND	94.5	70-130			
	Zinc	0.203	0.02400	**							
	Silica (SiO2)	32.1	0.1500	"	0.200	31.09	505	60-140			QM-07

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.



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

### 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 B7I2807 - EPA 200 Series										
Matrix Spike Dup (B7I2807-MSD1)	So	urce: 070945	7-04	Prepared	& Analyze	d: 09/28/0	07			
Aluminum	1.80	0.06300	mg/L	0.200	1.477	162	70-130	0.557	20	QM-0
Antimony	0.219	0.02300	. "	0.200	ND	110	70-130	0.00	20	
Arsenic	0.225	0.02500	11	0.200	ND	112	70-130	0.445	20	
Barium	0.231	0.01900	n	0.200	0.04282	94.1	70-130	0.434	20	
Beryllium	0.201	0.009000	11	0.200	ND	100	70-130	0.496	20	
Cadmium	0.219	0.004000	u	0.200	0.02441	97.3	70-130	0.458	20	
Calcium	334	0.5300	n	10.2	305.2	282	70-130	1.20	20	QM-0
Chromium	0.193	0.006000	Ħ	0.200	0.002279	95.4	75-130	0.00	20	
Copper	0.219	0.01200	п	0.200	0.006888	106	70-130	0.456	20	
Iron	0.682	0.06400	n	0.200	0.4569	113	70-130	0.00	20	
Magnesium	171	0.4100	"	10.2	160.2	106	70-130	0.587	20	
Manganese	1.42	0.01100 -	н	0.200	1.187	116	70-130	0.702	20	,
Nickel	0.339	0.01000	n n	0.200	0.1350	102	70-130	0.295	20	
Potassium	28.8	0.9000	"	10.2	15.15	134	70-130	3.17	20	QM-0
Selenium	0.238	0.02600	н	0.200	0.01958	109	70-130	0.419	20	
Silver	0.202	0.003000		0.200	ND	101	70-130	0.494	20	
Sodium	399	0.7100	17	10.2	379.9	187	70-130	1.26	20	QM-01
Strontium	1.95	0.08900	19	0.200	1.630	160	70-130	3.13	20	QM-0
- Thallium	0.176	0.01100	"	0.200	ND	88.0	70-130	0.00	20	~
Zinc	0.306	0.02400	H	0.200	0.1000	103	70-130	0.985	. 20	
Silica (SiO2)	36.0	0.1500	11	0.200	33.54	NR	60-140	3.68	40	QM-01
Matrix Spike Dup (B7I2807-MSD2)	Soi	ırce: 070949	2-03	Prepared	& Analyze	1: 09/28/0	07			
Aluminum	0.205	0.06300	mg/L	0.200	ND	102	70-130	0.489	20	·
Antimony	0.215	0.02300	n	0.200	ND	108	70-130	0.464	20	
Arsenic	0.233	0.02500	п.	0.200	0.01334	110	70-130	0.855	20	
Barium	0.255	0.01900	н	0.200	0.06014	97.4	70-130	0.00	20	
Beryllium	0.207	0.009000	11	0.200	ND	104	70-130	1.46	20	
Cadmium	0.195	0.004000	n	0.200	ND	97.5	70-130	0.512	20	
Calcium	332	0.5300	**	10.2	310.3	213	70-130	5.26	20	QM-03
Chromium	0.196	0.006000	n n	0.200	0.001242	97.4	75-130	2.52	20	•
Copper	0.214	0.01200	п	0.200	ND	107	70-130	0.468	20	
fron	2.72	0.06400	n	0.200	2.520	100	70-130	0.00	20	
Magnesium	90.0	0,4100	17	10.2	78.18	116	70-130	3.74	20	
Manganese	2.04	0.01100	lf.	0.200	1.827	106	70-130	1.98	20	
Nickel	0.205	0.01100	п	0.200	ND	102	70-130	1.97	20	
	17.5	0.9000	n	10.2	4.950	123	70-130	5.88	20	

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



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

### Metals by EPA 200 Series Methods - Quality Control

Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sou	rce: 070949	2-03	Prepared	& Analyze	d: 09/28/	07			
0.223	0.02600	mg/L	0.200	0.01073	106	70-130	1.78	20	·
0.205	0.003000	11	0.200	ND	102	70-130	0.489	20	
258	0.7100	n	10.2	247.8	100	70-130	1.96	20	
1.66	0.08900	**	0.200	1.416	122	70-130	3.06	20	
0.184.	0.01100	11	0.200	ND	92.0	70-130	2.68	20	
0.204	0.02400	II .	0.200	0.006026	99.0	70-130	0.491	20	
33.1	0.1500	′ 11	0.200	31.09	1000	60-140	3.07	40	QM-07
			Prepared	& Analyze	d: 10/03/0	)7	1		
ND	0.00073	mg/L		-					
			Prepared	& Analyze	d: 10/03/0	07			
ND	0.00073	mg/L	•						
			Prepared	& Analyze	d: 10/03/0	)7			
0.00097	0.00073	mg/L	0.00100		97.0	75-125			
			Prepared	& Analyze	d: 10/03/0	)7			
0.00100	0.00073	mg/L	0.00100		100	75-125			
Sou	rce: 0709492	2-01	Prepared	& Analyze	d: 10/03/0	)7		•	
0.00096	0.00073	mg/L	0.00100	ND	96.0	75-125			
Sou	rce: 070951	7-03	Prepared	& Analyze	1: 10/03/0	)7			
0.00102	0.00073	mg/L	0.00100	ND	102	75-125			
	0.223 0.205 258 1.66 0.184 0.204 33.1  ND  ND  0.00097  0.00100  Sou 0.00096  Sou	0.223 0.02600 0.205 0.003000 258 0.7100 1.66 0.08900 0.184 0.01100 0.204 0.02400 33.1 0.1500  ND 0.00073  ND 0.00073  Source: 070949: 5ource: 070951	0.205 0.003000 " 258 0.7100 " 1.66 0.08900 " 0.184 0.01100 " 0.204 0.02400 " 33.1 0.1500 "  ND 0.00073 mg/L  0.00097 0.00073 mg/L  Source: 0709492-01 0.00096 0.00073 mg/L	0.223         0.02600         mg/L         0.200           0.205         0.003000         "         0.200           258         0.7100         "         10.2           1.66         0.08900         "         0.200           0.184         0.01100         "         0.200           0.204         0.02400         "         0.200           33.1         0.1500         "         0.200           ND         0.00073         mg/L         Prepared           ND         0.00073         mg/L         0.00100           Prepared         0.00100         0.00073         mg/L         0.00100           Source: 0709492-01         Prepared           0.00096         0.00073         mg/L         0.00100           Source: 0709517-03         Prepared	0.223         0.02600         mg/L         0.200         0.01073           0.205         0.003000         "         0.200         ND           258         0.7100         "         10.2         247.8           1.66         0.08900         "         0.200         1.416           0.184         0.01100         "         0.200         ND           0.204         0.02400         "         0.200         0.06026           33.1         0.1500         "         0.200         31.09    Prepared & Analyzee  ND  0.00073 mg/L  Prepared & Analyzee  0.00100  Prepared & Analyzee  0.00100  Source: 0709492-01 Prepared & Analyzee  0.00100 ND  Source: 0709517-03 Prepared & Analyzee  Prepared & Analyzee  Analyzee  Prepared & Analyzee  O.00100 ND  Pr	0.223	0.223         0.02600         mg/L         0.200         0.01073         106         70-130           0.205         0.003000         "         0.200         ND         102         70-130           258         0.7100         "         10.2         247.8         100         70-130           1.66         0.08900         "         0.200         1.416         122         70-130           0.184         0.01100         "         0.200         ND         92.0         70-130           0.204         0.02400         "         0.200         0.066026         99.0         70-130           33.1         0.1500         "         0.200         31.09         1000         60-140           Prepared & Analyzed: 10/03/07           ND         0.00073         mg/L         Prepared & Analyzed: 10/03/07           0.00100         0.00073         mg/L         0.00100         97.0         75-125           Prepared & Analyzed: 10/03/07           0.00096         0.00073         mg/L         0.00100         ND         96.0         75-125           Source: 0709517-03         Prepared & Analyzed: 10/03/07	0.223	0.223



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

10/04/07 11:15

### Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7J0307 - EPA 200 Series				·						
Matrix Spike Dup (B7J0307-MSD1)	Sou	rce: 070949	2-01	Prepared &	& Analyze	ed: 10/03/	07	•		
Mercury	0.00097	0.00073	mg/L	0.00100	ND	97.0	75-125	1.04	20	
Matrix Spike Dup (B7J0307-MSD2)	Sou	rce: 070951	7-03	Prepared &	& Analyze	ed: 10/03/	07			



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

10/04/07 11:15

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

## Sierra Analytical Labs, Inc.

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

Batch	B712608 ·	· LPA	.5030B	P&	T

Blank (B7I2608-BLK1)		Prepared: 09/26/07 Analyzed: 09/27/07											
Benzene	ND	1.0	μg/L										
Bromobenzene	ND	1.0	n										
Bromochloromethane	ND	1.0	· ·										
Bromodichloromethane	. ND	1.0											
Bromoform	ND	1.0	н										
Bromomethane	ND	1.0	П										
n-Butylbenzene	ND	1.0	n .										
sec-Butylbenzene	ND	1.0	n										
tert-Butylbenzene	ND	1.0											
Carbon tetrachloride	ND	. 1.0	u .										
Chlorobenzene	ND	1.0	n										
Chloroethane	. ND	1.0	<b>H</b> .										
Chloroform	ND .	1.0	u .										
Chloromethane	, ND	1.0	II										
2-Chlorotoluene	ND	1.0	n ·										
'4-Chlorotoluene	ND	1.0	,										
Dibromochloromethane	ND	1.0	u .										
1,2-Dibromo-3-chloropropane	· ND	5.0	и										
1,2-Dibromoethane (EDB)	ND	1.0	n										
Dibromomethane	ND	1.0	TI CONTRACTOR OF THE CONTRACTO										
1,2-Dichlorobenzene	ND	1.0	II .										
1,3-Dichlorobenzene	. ND	1.0	II										
1,4-Dichlorobenzene	ND	1.0	n .										
Dichlorodifluoromethane	ND	1.0	# · · · · · · · · · · · · · · · · · · ·										
1,1-Dichloroethane	ND	1.0	н .										
1,2-Dichloroethane	ND	1.0	11										
1,1-Dichloroethene	ND	1.0	n	•									
cis-1,2-Dichloroethene	ND	1.0	T .										
trans-1,2-Dichloroethene	ND	1.0	11										
1,2-Dichloropropane	ND	1.0	H .										
1,3-Dichloropropane	ND	1.0											
2,2-Dichloropropane	ND	1.0	n .										
1,1-Dichloropropene	ND	1.0	n .										
cis-1,3-Dichloropropene	ND	1.0	n										
trans-1,3-Dichloropropene	ND	1.0	$\mathbf{u}_{i}$										
Ethylbenzene	ND	1.0	II.										
Hexachlorobutadiene	ND	1.0	II .										



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

Project Number: Wells Quarterly Project Manager: Pierre Dreher

Reported:

10/04/07 11:15

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7I2608 - EPA 5030B P & T										
Blank (B7I2608-BLK1)				Prepared:	09/26/07	Analyzed	i: 09/27/07			
Isopropylbenzene	ND	1.0	μg/L		-					
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	. "							
Methyl tert-butyl ether	ND	1.0	17							
Naphthalene	ND	1.0	и							
n-Propylbenzene	ND	1.0	"						•	
Styrene	ND	1.0	" .							
1,1,1,2-Tetrachloroethane	ND	1.0	**	•						
1,1,2,2-Tetrachloroethane	ND	1.0	11							
Tetrachloroethene	ND	1.0					•			
Toluene	ND	1.0	11							
1,2,3-Trichlorobenzene	ND	1.0	. "							
1,2,4-Trichlorobenzene	ND	1.0	n							
1,1,1-Trichloroethane	ND	1.0	, и							
1,1,2-Trichloroethane	ND	1.0	11							
Trichloroethene	ND	1.0								
Trichlorofluoromethane	ND	1.0	**							
1,2,3-Trichloropropane	ND	1.0 ·	и ,							
1,2,4-Trimethylbenzene	ND	1.0	п							
1,3,5-Trimethylbenzene	ND	1.0	n							
Vinyl chloride	ND	1.0	tt ,							
m,p-Xylene	ND	1.0	If							
o-Xylene	ND	1.0	n							
Surrogate: Dibromofluoromethane	43.8		"	50.0		87.6	86-118			
Surrogate: Toluene-d8	49.2		"	50.0		<i>98.4</i>	88-110			
Surrogate: 4-Bromofluorobenzene	57.1		н	50.0		114	86-115			
Blank (B7I2608-BLK2)				Prepared:	09/26/07	Analyzed	: 09/28/07			
Benzene	ND	1.0	μg/L	<del>-</del>		· · · · · · · · · · · · · · · · · · ·				
Bromobenzene	ND	1.0	n				•			
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	H							
Bromoform	ND	1.0	'n							
Bromomethane	ND	1.0	11							
n-Butylbenzene	ND	1.0	11							
sec-Butylbenzene	ND	1.0	n							
tert-Butylbenzene	ND	1.0	"							



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

Project Number: Wells Quarterly

Reported: Project Manager: Pierre Dreher 10/04/07 11:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control

## Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC	<u>.</u>	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (B7I2608-BLK2)				Prepared: 09/26/07 Analyzed: 09/28/07
Carbon tetrachloride	ND	1.0	μg/L	
Chlorobenzene	ND	1.0	H	
Chloroethane	ND	1.0	. "	
Chloroform	ND -	1.0	. "	
Chloromethane	ND	1.0	u	
2-Chlorotoluene	ND	1.0	n	
4-Chlorotoluene	ND	1.0	и .	
Dibromochloromethane	ND	1.0	11	
1,2-Dibromo-3-chloropropane	ND	5.0	**	
1,2-Dibromoethane (EDB)	ND	1.0	"	
Dibromomethane	ND	1.0	11	•
1,2-Dichlorobenzene	ND	1.0	н	
1,3-Dichlorobenzene	ND	1.0	II .	
1,4-Dichlorobenzene	ND	1.0	u	
Dichlorodifluoromethane	ND	. 1.0	**	
1,1-Dichloroethane	ND	1.0	Ħ	·
1,2-Dichloroethane	ND	1.0	u	·
1,1-Dichloroethene	ND .	1.0	n	
cis-1,2-Dichloroethene	ND	1.0	" '	N
trans-1,2-Dichloroethene	ND	1.0	н	
1,2-Dichloropropane	ND	1.0	n	
1,3-Dichloropropane	ND	1.0	"	
2,2-Dichloropropane	ND	1.0	#	
1,1-Dichloropropene	ND	1.0	11	
cis-1,3-Dichloropropene	ND	1.0	n ·	
trans-1,3-Dichloropropene	ND	1.0	n	
Ethylbenzene	ND	1.0	. "	
Hexachlorobutadiene	ND	1.0	#1	
Isopropylbenzene	ND	1.0	n	
p-Isopropyltoluene	ND	1.0	11	
Methylene chloride	ND	1.0	U	•
Methyl tert-butyl ether	ND	1.0	11	
Naphthalene	ND	1.0	**	
n-Propylbenzene	'ND	1.0	ti	
Styrene	ND	1.0	U	
1,1,2-Tetrachloroethane	ND	1.0	н	•
1,1,2,2-Tetrachloroethane	ND	1.0	11	



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC_	%REC Limits	RPD	RPD Limit	Notes
Batch B7I2608 - EPA 5030B P & T						h				
Blank (B7I2608-BLK2)				Prepared:	09/26/07	Analyzed	: 09/28/07			
Tetrachloroethene	ND	. 1.0	μg/L							
Toluene	ND	1.0	11							
1,2,3-Trichlorobenzene	ND	1.0	n							
1,2,4-Trichlorobenzene	ND	1.0	Ħ			•				
1,1,1-Trichloroethane	ND	1.0	' · · · u							
1,1,2-Trichloroethane	ND	1.0	u					•		
Trichloroethene	ND	1.0	Ħ							
Trichlorofluoromethane	ND .	1.0	u						*.	
1,2,3-Trichloropropane	ND	1.0	U					•		
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	н ,				•			
m,p-Xylene	ND	1.0	n .							
o-Xylene	ND	1.0	н .							
Surrogate: Dibromofluoromethane	44.2		"	50.0		88.4	86-118			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Surrogate: Toluene-d8	50.0	•	"	50.0		100	88-110			
Surrogate: 4-Bromofluorobenzene	53.9		"	50.0		108	86-115			
LCS (B7I2608-BS1)				Prepared:	09/26/07	Analyzed	: 09/27/07			
Benzene	42.8	1.0	μg/L	50.0		85.6	80-120			
Chlorobenzene	52.1	1.0	".	50.0		104	80-120			
1,1-Dichloroethene	49.7	1.0	п	50.0	•	99.4	80-120			
Foluene	50.5	1.0	II .	50.0		101	80-120			
Trichloroethene	51.4	1.0	"	50.0		103	80-120			
LCS (B7I2608-BS2)				Prepared:	09/26/07	Analyzed	: 09/27/07		*	
Benzene	47.0	1.0	μg/L	50.0		94.0	80-120			
Chlorobenzene	53.2	1.0	n	50.0		106	80-120			
1,1-Dichloroethene	46.3	1.0	11	50.0		92.6	80-120			
<b>F</b> oluene	54.4	1.0	II	50.0		109	80-120	•		
Trichloroethene	55.7	1.0	11	50.0		111	80-120			



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 10/04/07 11:15

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7I2608 - EPA 5030B P & T						_				-
Matrix Spike (B7I2608-MS1)	Sou	rce: 0709494	4-06	Prepared:	09/26/07	Analyzed	: 09/28/07			<del></del>
Benzene	38.8	1.0	μg/L	50.0	ND	77.6	37-151		-	
Chlorobenzene	58.5	1.0		50.0	ND	117	37-160		•	
1,1-Dichloroethene	44.8	1.0	. "	50.0	ND	89.6	50-150			
Toluene	46.3	1.0	n	50.0	ND	92.6	47-150			
Trichloroethene	57.2	1.0	H	50.0	ND	114	71-157			
Matrix Spike (B7I2608-MS2)	Sou	rce: 0709449	9-11	Prepared:	09/26/07	Analyzed	: 09/28/07			•
Benzene	43.2	1.0	μg/L	50.0	ND	86.4	37-151			
Chlorobenzene .	62.5	1.0	**	50.0	ND	125	37-160			
1,1-Dichloroethene	48.0	1.0		50.0	ND .	96.0	50-150			
Toluene	50.3	1.0	u	50.0	ND	101	47-150			
Trichloroethene	62.7	1.0	m	50.0	ND	125	71-157			
Matrix Spike Dup (B7I2608-MSD1)	Sou	rce: 0709494	1-06	Prepared:	09/26/07	Analyzed	: 09/28/07			
Benzene	41.3	1.0	μg/L	50.0	ND	82.6	37-151	6.24	30	
Chlorobenzene	60.2	1.0	*	50.0	ND	120	37-160	2.86	30	*
1,1-Dichloroethene	46.1	. 1.0	n	50.0	ND	92.2	50-150	2.86	30	
Toluene	48.3	1.0	n	50.0	ND	96.6	47-150	4.23	30	
Trichloroethene	61.8	1.0	n	50.0	ND	124	71-157	7.73	30	
Matrix Spike Dup (B7I2608-MSD2)	Sou	rce: 0709449	<b>)-11</b>	Prepared:	09/26/07	Analyzed	: 09/28/07			
Benzene	41.8	1.0	μg/L	50.0	ND	83.6	37-151	3.29	30	
Chlorobenzene	60.8	1.0		50.0	ND	122	37-160	2.76	30	
1,1-Dichloroethene	46.5	1.0	n.	50.0	ND	93.0	50-150	3.17	30	
Toluene	49.5	1.0	Ħ	50.0	ND	99.0	47-150	1.60	30	
Trichloroethene	62.0	1.0	11	50.0	ND	124	71-157	1.12	30	

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32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported:

12/20/07 17:00

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DRAFT: Dance Hall Well	0712397-01	Water	12/18/07 14:00	12/18/07 16:30

#### **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:

An are the state of the state o

QA/QC CRITERIA:

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



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported: 12/20/07 17:00

## DRAFT: Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Dance Hall Well (0712397-01) Water	Sampled:	12/18/07	14:00	Received: 1	2/18/07 16	:30			
Benzene	ND	1.0	μg/L	1	B7L2035	12/20/07	12/20/07 15:06	EPA 8260B	
Bromobenzene	ND	1.0	u	II	11	11	n	ıı	
Bromochloromethane	ND	1.0	."	**	#	*1	"	11	•
Bromodichloromethane	ND	1.0	n	11	11	н	#	11	
Bromoform	ND	1.0	. #	**	u	н	#	n	
Bromomethane	ND	1.0	**	. "	u u	n	11	n	
n-Butylbenzene	ND -	1.0	tt		u	H	ıı .	II.	
sec-Butylbenzene	ND	1.0	II.		II .	11		н	
tert-Butylbenzene	ND	1.0	"	п	11	н	n	II	
Carbon tetrachloride	ND .	1.0	"	IJ	ır	11	n .	и	
Chlorobenzene	ND	1.0	11	n	**	11	**	ш	
Chloroethane	ND	1.0	"	"	н	n	11	, n	
Chloroform	ND	1.0	11	**	"	11	"	11	•
Chloromethane	ND	1.0	11		u	11	"	. #	
2-Chlorotoluene	ND	1.0	**	. "		11	**	. "	
4-Chlorotoluene	ND	1.0	0	n	**	11	н	. "	
Dibromochloromethane	ND	1.0	11	u	- m	*	, u	**	
1,2-Dibromo-3-chloropropane	ND	5.0	**	U	i. m	19	n .	н	
1,2-Dibromoethane (EDB)	ND	1.0	n	n	**	н	n	II.	•
Dibromomethane	ND	1.0	Ħ	n	**		11		-
1,2-Dichlorobenzene	ND	1.0	**	,,	н	"	17	"	
1,3-Dichlorobenzene	ND	1.0	n	**	н		#		
1,4-Dichlorobenzene	ND	1.0	. 11	n	11	n	**	**	
Dichlorodifluoromethane	ND	1.0	н	11	n			"	:
1,1-Dichloroethane	ND	1.0	п	"	n	"	,	**	
1,2-Dichloroethane	ND	1.0		. "	11	11	u	**	
1,1-Dichloroethene	ND	1.0	11		**	It		59	
cis-1,2-Dichloroethene	ND ND		n		#	II			
trans-1,2-Dichloroethene	ND ND	1.0	**	.11	77	11	"	It	
	ND ND	1.0	. 11	n	*	11	"	11	
1,2-Dichloropropane	ND ND	1.0		11				и	
1,3-Dichloropropane	ND ND	1.0	**	n	. 11	"	,		
2,2-Dichloropropane		1.0	"	. "	"	"			
1,1-Dichloropropene	ND	1.0		,,	"	" "	"	. "	
cis-1,3-Dichloropropene	ND	1.0	"	"	" "	11	-	y p	
trans-1,3-Dichloropropene	ND	1.0	"	" H	"	"			
Di-isopropyl ether	ND	1.0	"	n **		. 11	11	"	
Ethyl tert-butyl ether	ND	1.0		#	"		u.	ri 	
Ethylbenzene	ND	1.0	"					"	
Hexachlorobutadiene	ND	1.0	"	Ħ	"	**	п	11	
Isopropylbenzene	ND	1.0	"	n	"	. 11	"	**	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported: 12/20/07 17:00

### DRAFT: Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Dance Hall Well (0712397-01) Water	Sample	d: 12/18/07	14:00	Received: 1	2/18/07 16	:30		· · · · · · · · · · · · · · · · · · ·	
p-Isopropyltoluene	ND	1.0	μg/L	1	B7L2035	12/20/07	12/20/07 15:00	EPA 8260B	
Methylene chloride	ND	1.0	11	, 11		"	11	**	
Methyl tert-butyl ether	ND	1.0	"	rr .		11	п	11	
Naphthalene	ND	1.0	**	**	7 11	11	n	**	
n-Propylbenzene	ND	1.0	. "	11	"	H	11	н .	
Styrene	ND	1.0	11	II	**	, "	п	**	
Tert-amyl methyl ether	ND	1.0	n	II	17	11	**	11	
Tert-butyl alcohol	ND	5.0	"	11	II .	11	н	**	
1,1,1,2-Tetrachloroethane	ND	1.0	11	н	· п	11	n	н ,	
1,1,2,2-Tetrachloroethane	ND	1.0	"	**	"	II .	n	n n	
Tetrachloroethene	ND	1.0	"	11	. "	n.	н .	• t	*
Toluene	ND	1.0	,"	n	11	n	11	11	
1,2,3-Trichlorobenzene	ND	1.0	n .	"	11	n	. "		
1,2,4-Trichlorobenzene	ND	1.0	и .	n	и ,	11	**	If	
1,1,1-Trichloroethane	ND	1.0	"	a	. 0	17			
1,1,2-Trichloroethane	ND	1.0	n	. "	17	u.	n ·	п	
Trichloroethene	ND	1.0	"	n	n	II .	**	n	
Trichlorofluoromethane	ND	1.0	11	n	II.	11	11	17	
1,2,3-Trichloropropane	ND	1.0	n	u	11	11		H	
1,2,4-Trimethylbenzene	ND	1.0	н	ıı	11	11	u	II	
1,3,5-Trimethylbenzene	ND	1.0	n	н	71	ıı	n	II	
Vinyl chloride	ND	1.0	n	n	· n	11	H	11	
m,p-Xylene	ND	1.0	**	'n	ıı	n	"	. "	
o-Xylene	ND	1.0	Ħ	Ħ		n	tt	Ħ	
Surrogate: Dibromofluoromethane		98.4 %	. 80	6-118	"	"	"	" .	
Surrogate: Toluene-d8		101 %	8	8-110	n	"	"	n	
Surrogate: 4-Bromofluorobenzene		104%	8	6-115	. "	. <b>"</b>	"	"	
•		, -	_						



Project: NA

32450 Paseo Adelanto

Project Number: Dance Hall MTBE

San Juan Capistrano CA, 92675

Project Manager: Eric Bauman

Reported: 12/20/07 17:00

## DRAFT: Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7L2035 - EPA 5030B P & T								,		

Blank (B7L2035-BLK1)		* •		Prepared & Analyzed: 12/20/07	,
Benzene	ND	1.0	μg/L		
Bromobenzene	ND	1.0	. "		
Bromochloromethane	· ND	1.0	#		
Bromodichloromethane	, ND	1.0	11		
Bromoform	ND	1.0	11		
Bromomethane	ND	1.0	н		
n-Butylbenzene	ND	1.0	н		
sec-Butylbenzene	· ND	1.0		·	
tert-Butylbenzene	ND	1.0	**	•	
Carbon tetrachloride	ND	1.0	n		
Chlorobenzene	ND	1.0	n		
Chloroethane	ND	1.0	Ħ		
Chloroform	ND	1.0	**		
Chloromethane	ND	1.0	11		
2-Chlorotoluene	ND ·	1.0	n		
4-Chlorotoluene	ND	1.0	11		
Dibromochioromethane	ND	1.0	11		
1,2-Dibromo-3-chloropropane	ND	5.0	11		
1,2-Dibromoethane (EDB)	ND	1.0	11		
Dibromomethane	ND	1.0	ü		
1,2-Dichlorobenzene	ND	1.0	п		
1,3-Dichlorobenzene	ND	1.0	Ħ		•
1,4-Dichlorobenzene	ND	1.0	"		
Dichlorodifluoromethane	ND	1.0	Ħ		
1,1-Dichloroethane	ND	1.0	n		
1,2-Dichloroethane	ND	1.0	"		
1,1-Dichloroethene	ND	1.0	11		
cis-1,2-Dichloroethene	ND	1.0	и		
trans-1,2-Dichloroethene	ND	1.0	11		
1,2-Dichloropropane	ND	1.0	"	,	
1,3-Dichloropropane	ND	1.0	ıı		
2,2-Dichloropropane	ND	1.0	11		
1,1-Dichloropropene	ND	1.0	."		
cis-1,3-Dichloropropene	ND	1.0	n		
trans-1,3-Dichloropropene	. ND	1.0	11		
Di-isopropyl ether	ND	1.0	n		
Ethyl tert-butyl ether	ND	1.0	u		



San Juan Capistrano CA, 92675

32450 Paseo Adelanto

Analyte

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

Project: NA

Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported: 12/20/07 17:00

RPD

Limit

Notes

%REC

Limits

RPD

%REC

#### DRAFT: Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

#### Sierra Analytical Labs, Inc.

Units

Reporting

Limit

Result

ND

ND

NĎ

ND

ND

ND

47.5

50.1

49.0

1.0

1.0

1.0

1.0

1.0

1.0

Spike

Level

Source

Result

Blank (B7L2035-BLK1)				Prepared	d & Analyzed: 12/20/07		•
Ethylbenzene	ND	1.0	μg/L				
Hexachlorobutadiene	ND	1.0 `	"				
Isopropylbenzene	ND	1.0	Ħ				
p-Isopropyltoluene	ND	1.0	Ħ				
Methylene chloride	ND	1.0	4				
Methyl tert-butyl ether	ND	1.0	11				
Naphthalene	ND	1.0	"				
n-Propylbenzene	ND	1.0	"				
Styrene	ND	1.0	n				
Tert-amyl methyl ether	ND	1.0	11	•			
Tert-butyl alcohol	ND	5.0	n				
1,1,1,2-Tetrachloroethane	ND	1.0	H.				
,1,2,2-Tetrachloroethane	ND	1.0	n				
Tetrachloroethene	ND	1.0	11				
Foluene	ND	1.0	0				
1,2,3-Trichlorobenzene	ND	1.0	10				
,2,4-Trichlorobenzene	ND	1.0	17				-
,1,1-Trichloroethane	ND	1.0	Ħ				
,1,2-Trichloroethane	ND	1.0	Ħ				
Trichloroethene	. ND	1.0	n				
[richlorofluoromethane	ND	1.0	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

95.0

100

98.0

86-118

88-110

86-115



32450 Paseo Adelanto San Juan Capistrano CA, 92675 Project: NA

Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported: 12/20/07 17:00

### DRAFT: Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7L2035 - EPA 5030B P & T										
LCS (B7L2035-BS1)				Prepared a	& Analyze	d: 12/20/0	77			
Benzene	46.9	1.0	μg/L	50.0		93.8	80-120			•
Chlorobenzene	52.1	1.0	н	50.0		104	80-120			
1,1-Dichloroethene	40.9	1.0	n	50.0		81.8	80-120			
Toluene	50.8	1.0	н	50.0		102	80-120			
Trichloroethene	48.8	1.0	II	50.0		97.6	80-120			
Matrix Spike (B7L2035-MS1)	Sou	ırce: 0712397	7-01	Prepared &	& Analyze	d: 12/20/0	)7			
Benzene	ND	1.0	μg/L	50.0	ND.		37-151			
Chlorobenzene	ND	1.0	**	50.0	ND		37-160			
1,1-Dichloroethene	ND	1.0		50.0	ND		50-150			
Toluene	ND	1.0	. "	50.0	ND		47-150			
Trichloroethene	ND	1.0	н	50.0	ND		71-157			
Matrix Spike Dup (B7L2035-MSD1)	Sou	ırce: 0712397	7-01	Prepared &	& Analyze	d: 12/20/0	17			•
Benzene	ND	1.0	μg/L	50.0	ND		37-151		30	
Chlorobenzene	ND	1.0	п	50.0	ND		37-160		30	
1,1-Dichloroethene	ND	1.0	n n	50.0	ND		50-150		30	
Toluene	ND	1.0	n	50.0	ND		47-150		30	
Trichloroethene	ND	1.0		50.0	ND		71-157		30	



32450 Paseo Adelanto San Juan Capistrano CA, 92675

Project: NA Project Number: Dance Hall MTBE

Project Manager: Eric Bauman

Reported:

12/20/07 17:00

#### **Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: Dance Hall

Project Manager: Eric Bauman

Reported:

01/02/08 08:42

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dance Hall Well 1	0712519-01	Water	12/26/07 09:30	12/27/07 14:57
Dance Hall Well 2	0712519-02	Water	12/26/07 09:30	12/27/07 14:57

#### 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.



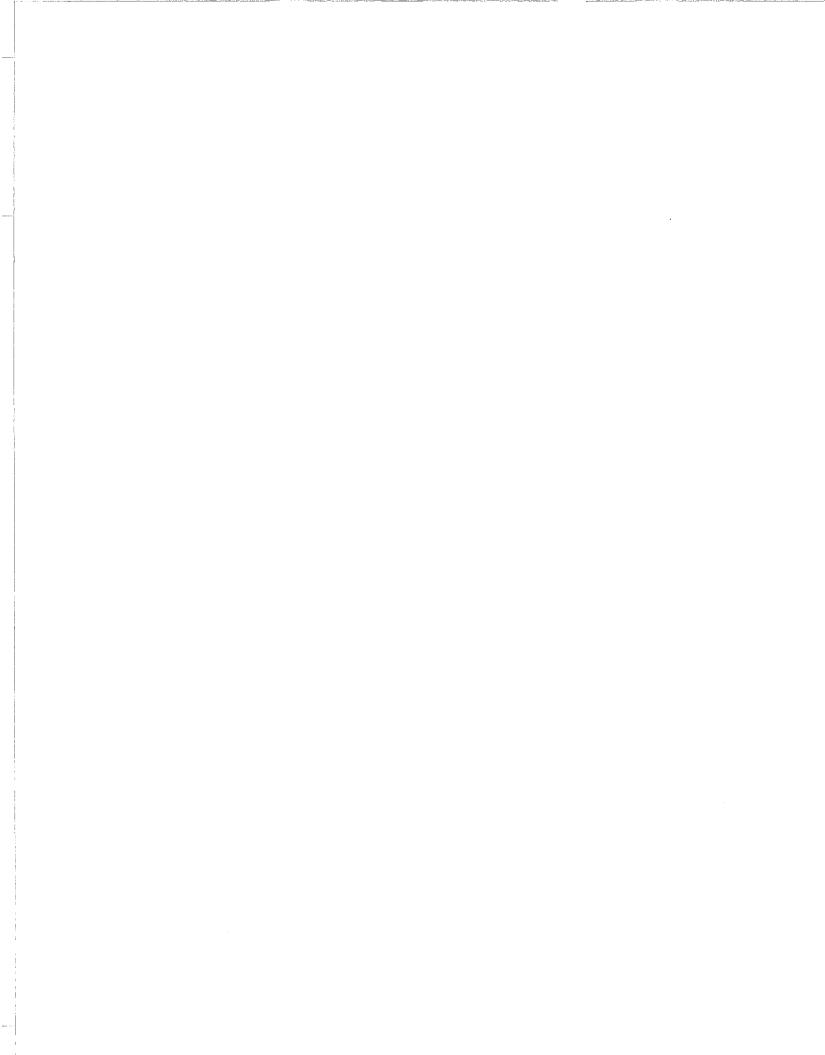
32450 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Dance Hall Well

Project Number: Dance Hall
Project Manager: Eric Bauman

Reported: 01/02/08 08:42

### Fuel Oxygenates by EPA 8260B

STOTE I THIRTY TOOK ELECTION											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note		
Dance Hall Well 1 (0712519-01) Water	Sampled: 12/2	6/07 09:30	Received: 1	12/27/07	14:57						
Methyl tert-butyl ether	ND	1.0	μg/L	1	B7L2818	12/28/07	12/28/07 10:39	EPA 8260B			
Di-isopropyl ether	ND	1.0	u ' .	н -	II .	u	u	**			
Ethyl tert-butyl ether	ND	1.0	n	π	n	. "	11	н			
Tert-amyl methyl ether	ND	1.0	11	17	. "	Ħ	11	н			
Tert-butyl alcohol	ND	5.0	U	11	u	11	. 40-	11			
Surrogate: Dibromofluoromethane		103 %	86-11	8	"	"	n	"			
Surrogate: Toluene-d8		104 %	88-11	0	. "	"	. "	"			
Surrogate: 4-Bromofluorobenzene		96.8 %	86-11	5	n	"	n	"			
Dance Hall Well 2 (0712519-02) Water	Sampled: 12/2	6/07 09:30	Received: 1	12/27/07	14:57	•					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B7L2818	12/28/07	12/28/07 10:39	EPA 8260B			
Di-isopropyl ether	ND	1.0	11		. н	н .	•	If			
Ethyl tert-butyl ether	ND	1.0	"	Ħ	u,	n	n	11			
Tert-amyl methyl ether	ND	1.0	16 .	**		. "	n				
Tert-butyl alcohol	ND	5.0	n	п	. "	, .	19	u			
Surrogate: Dibromofluoromethane	-	100 %	86-11	8	"	<b>"</b> .	"	"			
Surrogate: Toluene-d8		106 %	88-11	0	n	"	n	<i>n</i> .			
Surrogate: 4-Bromofluorobenzene		93.0 %	86-11	5	<b>n</b> .	"	<b>n</b> ,	"			





32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
Kinoshita	0712292-01	Water	12/12/07 11:15	12/12/07 14:00	
SJBA 2	0712292-02	Water	12/12/07 11:35	12/12/07 14:00	
SJBA 4	0712292-03	Water	12/12/07 11:50	12/12/07 14:00	
Dance Hall	0712292-04	Water	12/12/07 12:00	12/12/07 14:00	

#### **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: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

## Microbiological Parameters by APHA Standard Methods

Analyte	Resuit	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0712292-01) Water	Sampled: 12/12/07 11:15	Receive	d: 12/12/07	14:00					
Plate Count (1 ml) Total Coliforms	<1 Absent	1 1.0	CFU/mL CFU/100 mL	1	B7L1439	12/12/07	12/12/07 14:00	SM 9215B SM 9222B	٠.
SJBA 2 (0712292-02) Water S	Sampled: 12/12/07 11:35 R	Received:	12/12/07 14	:00					
Plate Count (1 ml) Total Coliforms	<1 Absent	1.0	CFU/mL CFU/100 mL	I "	B7L1439	12/12/07	12/12/07 14:00	SM 9215B SM 9222B	
SJBA 4 (0712292-03) Water S	Sampled: 12/12/07 11:50 R	eceived:	12/12/07 14	:00		•			
Plate Count (1 ml) Total Coliforms	<1 Absent	1 1.0	CFU/mL CFU/100 mL	1 "	B7L1439	12/12/07	12/12/07 14:00	SM 9215B SM 9222B	
Dance Hall (0712292-04) Water	r Sampled: 12/12/07 12:00	Receiv	ed: 12/12/0	7 14:00					
Plate Count (1 ml) Total Coliforms	<1 Absent	1 1.0	CFU/mL CFU/100 mL	1	B7L1439 "	12/12/07	12/12/07 14:00	SM 9215B SM 9222B	



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita (0712292-01) Water	Sampled: 12/12/07 11:15	Receive	d: 12/12/07	14:00				···	
Total Alkalinity	300	0.400	mg/L	1	B7L1736	12/12/07	12/12/07 14:	30 EPA 310.1	
Carbonate Alkalinity	ND	0.400		"	11	n	II	"	
Bicarbonate Alkalinity	300	0.400	n	31	11	11	II	"	
Hydroxide Alkalinity	ND	0.400	11		11	11	н	"	
Chloride	226	0.500		II.	. "	н	**	SM 4500-CI- B	
Specific Conductance (EC)	2080	0.100	μmhos/cm	H	H	Ħ	Ħ	EPA 120.1	
Fluoride	0.310	0.0200	mg/L	**	11	н		EPA 340.1	
Total Hardness	760	0.400	11		m	u	II	SM 2340	
Methylene Blue Active Substances	s ND	0.100	и .	11	IF	н .	"	EPA 425.1	
рН	7.37	0.100	pH Units	II	n	11	п	EPA 150.1	
Sulfate as SO4	458	0.500	mg/L	11	11	u	. "	EPA 375.4	
Total Dissolved Solids	1380	1.00	"	n .	n	u	u	EPA 160.1	
SJBA 2 (0712292-02) Water Sa	mpled: 12/12/07 11:35 R	Received:	12/12/07 1	4:00					
Total Alkalinity	212	0.400	mg/L	1	B7L1736	12/12/07	12/12/07 14:	30 EPA 310.1	
Carbonate Alkalinity	ND	0.400	II .	11	Ħ	п	11	II	
Bicarbonate Alkalinity	212	0.400	. 11	11	II	n.	11	, 0	
Hydroxide Alkalinity	ND	0.400	n	11	II	*	· n	m	
Chloride	190	0.500	н	11	n	11	u .	SM 4500-Cl- B	
Specific Conductance (EC)	2190	0.100	μmhos/cm	u	**	ű	п	EPA 120.1	
Fluoride	0.360	0.0200	mg/L	17	II	u	"	EPA 340.1	
Total Hardness	784	0.400	n .	. #	11	и.	"	SM 2340	
Methylene Blue Active Substances	ND	0.100	11	11	11	#	IT	EPA 425.1	
оН	7.39	0.100	pH Units	n	n	11		EPA 150.1	•
Sulfate as SO4	428	0.500	mg/L	u	"	u u	. "	EPA 375.4	
Total Dissolved Solids	1450	1.00	"	11	11	. "	11	EPA 160.1	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA 4 (0712292-03) Water Sampled:	: 12/12/07 11:50	Received:	12/12/07 1	4:00					
Total Alkalinity	358	0.400	mg/L	1 .	B7L1736	12/12/07	12/12/07 14:	30 EPA 310.1	_
Carbonate Alkalinity	ND	0.400	"	n	11	. 11	. "	11	
Bicarbonate Alkalinity	358	0.400	11	н	11	n i	н	. "	
Hydroxide Alkalinity	ND	0.400	**	."	11	n	Ħ	II .	
Chloride	280	0.500	u		n	."	11	SM 4500-Cl- B	
Specific Conductance (EC)	2700	0.100	μmhos/cm	II .	n	**	. "	EPA 120.1	
Fluoride	0.320	0.0200	mg/L	11	II .	"	n	EPA 340.1	
Total Hardness	878	0.400	**	Ħ	II .	11	II	SM 2340	
Methylene Blue Active Substances	ND	0.100	"		11		n	EPA 425.1	
pН	7.44	0.100	pH Units	IF	ır	n	**	EPA 150.1	
Sulfate as SO4	440	0.500	mg/L	19	II .	n .	II .	EPA 375.4	
Total Dissolved Solids	1800	1.00	u	11	n ·	n	II	EPA 160.1	
Dance Hall (0712292-04) Water Samp	leđ: 12/12/07 12:	00 Receiv	ed: 12/12/0	7 14:00					
		•							
Total Alkalinity	486	0.400	mg/L	1	B7L1736	12/12/07	12/12/07 14:	30 EPA 310.1	
Total Alkalinity Carbonate Alkalinity	<b>486</b> ND	0.400 0.400	mg/L "	1	B7L1736	12/12/07	12/12/07 14:	30 EPA 310.1	
· ·				1	B7L1736				
Carbonate Alkalinity	ND	0.400	u ,		11 .	n			
Carbonate Alkalinity Bicarbonate Alkalinity	ND <b>486</b>	0.400 0.400	11	n	11	r) 11	11	11	
Carbonate Alkalinity <b>Bicarbonate Alkalinity</b> Hydroxide Alkalinity	ND <b>486</b> ND	0.400 0.400 0.400	11	11	H H	1) 11	11 15	11 11	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride	ND <b>486</b> ND <b>290</b>	0.400 0.400 0.400 0.500	11 11 11	11 11	17 18 18	11 11	0 11 11	" " SM 4500-Cl- B	
Carbonate Alkalinity Bicarbonate Alkalinity Hydroxide Alkalinity Chloride Specific Conductance (EC)	ND 486 ND 290 3100	0.400 0.400 0.400 0.500 0.100	μmhos/cm	11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11	0 9 9 0	" " SM 4500-Cl- B EPA 120.1	
Carbonate Alkalinity  Bicarbonate Alkalinity  Hydroxide Alkalinity  Chloride  Specific Conductance (EC)  Fluoride	ND 486 ND 290 3100 0.480	0.400 0.400 0.400 0.500 0.100 0.0200	" μmhos/cm mg/L	11 11 11	11 11 11 11	11 11 11 11	11 12 11	" " SM 4500-Cl- B EPA 120.1 EPA 340.1	
Carbonate Alkalinity  Bicarbonate Alkalinity  Hydroxide Alkalinity  Chloride  Specific Conductance (EC)  Fluoride  Total Hardness  Methylene Blue Active Substances	ND 486 ND 290 3100 0.480 1040	0.400 0.400 0.400 0.500 0.100 0.0200 0.400	μmhos/cm mg/L	11 11 11 11	H H H H H H H H H H H H H H H H H H H	17 18 11 11 11	n n u u	" " SM 4500-Cl- B EPA 120.1 EPA 340.1 SM 2340	
Carbonate Alkalinity  Bicarbonate Alkalinity  Hydroxide Alkalinity  Chloride  Specific Conductance (EC)  Fluoride  Total Hardness	ND 486 ND 290 3100 0.480 1040 ND	0.400 0.400 0.400 0.500 0.100 0.0200 0.400 0.100	μmhos/cm mg/L	11 11 11 11	11 17 18 18 18 18 18 18 18 18 18 18 18 18 18	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-Cl- B EPA 120.1 EPA 340.1 SM 2340 EPA 425.1	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### Physical Parameters by APHA/ASTM/EPA Methods

			•					_	
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0712292-01) Water	r Sampled: 12/12/07 11:15	Received:	12/12/	07 14:00	_				
Langlier's Index	+0.58		N/A	1	B7L1736	12/12/07	12/12/07 14:30	Calculation	
SJBA 2 (0712292-02) Water	Sampled: 12/12/07 11:35	Received: 12	/12/07	14:00					
Langlier's Index	+0.46		N/A	1	B7L1736	12/12/07	12/12/07 14:30	Calculation	
SJBA 4 (0712292-03) Water	Sampled: 12/12/07 11:50	Received: 12	/12/07	14:00					
Langlier's Index	+0.69		N/A	1	B7L1736	12/12/07	12/12/07 14:30	Calculation	····
Dance Hall (0712292-04) Wat	er Sampled: 12/12/07 12:0	0 Received	: 12/12	2/07 14:00				_	
Langlier's Index	· +0.81		N/A .	1	B7L1736	12/12/07	12/12/07 14:30	Calculation	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

Anions by EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
Kinoshita (0712292-01) Water	Sampled: 12/12/07 11:1	5 Receive	d: 12/12/(	07 14:00					
Nitrate as N	1.30	0.0200	mg/L	1	B7L1736	12/12/07	12/12/07 14:30	EPA 300.0	
Nitrate as NO3	5.78	0.100	#	"	n	11	tt		
SJBA 2 (0712292-02) Water Sa	mpled: 12/12/07 11:35	Received:	12/12/07	14:00					
Nitrate as N	1.40	0.0200	mg/L	1	B7L1736	12/12/07	12/12/07 14:30	EPA 300.0	
Nitrate as NO3	6.23	0.100	"	**	n	n	Ħ	· n	
SJBA 4 (0712292-03) Water Sa	mpled: 12/12/07 11:50	Received:	12/12/07	14:00					
Nitrate as N	1.20	0.0200	mg/L	1	B7L1736	12/12/07	12/12/07 14:30	EPA 300.0	
Nitrate as NO3	5.34	0.100	II .	11	11	11	**		
Dance Hall (0712292-04) Water	Sampled: 12/12/07 12:	:00 Receiv	ed: 12/12	/07 14:00					
Nitrate as N	1.20	0.0200	mg/L	I	B7L1736	12/12/07	12/12/07 14:30	EPA 300.0	
Nitrate as NO3	5.34	0.100		ji ji	**	11		n	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

# Total Organic Carbon (TOC) by SM 5310 B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Anályzed	Method	Notes
Kinoshita (0712292-01) Water					Daton	repared	·	Without	
Total Organic Carbon	3.4	0.50	mg/L	1	.B7L1818	12/18/07	12/18/07 13:04	SM 5310 B	
SJBA 2 (0712292-02) Water	Sampled: 12/12/07 11:35	Received:	12/12/07	14:00			•		
Total Organic Carbon	3.8	0.50	mg/L	1	B7L1818	12/18/07	12/18/07 13:26	SM 5310 B	
SJBA 4 (0712292-03) Water	Sampled: 12/12/07 11:50	Received:	12/12/07	14:00					
Total Organic Carbon	5.0	0.50	mg/L	1	B7L1818	12/18/07	12/18/07 13:48	SM 5310 B	
Dance Hall (0712292-04) Wate	er Sampled: 12/12/07 12:	00 Receiv	ed: 12/12	2/07 14:00		,			
Total Organic Carbon	4.1	0.50	mg/L	1	B7L1818	12/18/07	12/18/07 14:07	SM 5310 B	

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.



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

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

# Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Dance Hall (0712292-04) Water	Sampled: 12/12/07	12:00 Receive	ed: 12/12	/07 14:00					
Silver	ND	0.003000	mg/L	1	B7L1743	12/17/07	12/18/07 16:36	EPA 200.7	
Aluminum	ND	0.06300	"	11	ti		12/18/07 16:35	н	
Arsenic	ND	0.02500	n	n n	. **	u '	12/18/07 16:36		
Barium	0.06705	0.01900	n		11	11	**	"	
Beryllium	ND	0.009000	11	**	II .	'n	12/18/07 16:35	11	
Calcium	284.2	0.5300	"	Ħ	H	**	12/18/07 16:33	n	
Cadmium	ND	0.004000	"	. "	11	11	12/18/07 16:36	#	
Chromium	ND	0.006000	н .	11	n .	п	"		
Copper	ND '	0.01200	#	. 11	11	n	n	н	
Iron	4.117	0.06400	11	n	ıı .	n	12/18/07 16:35	Ħ	
Mercury	ND	0.00073		н	B7L1824	12/18/07	12/19/07 10:50	EPA 245.1	
Potassium	5.043	0.9000	11		B7L1743	12/17/07	12/18/07 16:33	EPA 200.7	,
Magnesium	81.98	0.4100	**	n	n .	n	n	D.	
Manganese	1.907	0.01100	11	**	11	II .	12/18/07 16:35	II.	
Sodium	263.3	0.7100	W	· n	11	n	12/18/07 16:33	n ·	
Nickel	ND	0.01000	и	н	11	н	12/18/07 16:36	· n	
Antimony	ND	0.02300	11	11	"	11	n	11	
Selenium	ND	0.02600	"	"	H	11	"	n	
Silica (SiO2)	30.77	0.1500	H	"	II	n .	12/20/07 10:21	0	
Strontium	1.440	0.08900	n	11	n	11	12/18/07 16:33	R	
Thallium	ND	0.01100	11		11	"	12/18/07 16:36	н	
Zinc	ND	0.02400	11	11	**	"	11	. н	



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

Project Number: Wells Quarterly Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### Metals by EPA 200 Series Methods

## Sierra Analytical Labs, Inc.

	· · · · · · · · · · · · · · · · · · ·	Reporting							<del></del> ,, .
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	No
Kinoshita (0712292-01) Water	Sampled: 12/12/07 11	:15 Received	1: 12/12/0	7 14:00					
Silver	ND	0.003000	mg/L	1	B7L1743	12/17/07	12/18/07 16:18	EPA 200.7	
Aluminum	ND	0.06300	"	It	"	н .	n	II	
Arsenic	ND	0.02500	"	11	**	n	12/18/07 16:19	II	
Barium	0.06986	0.01900	11	ш	H	ti .	12/18/07 16:18	II	
Beryllium	ND	0.009000	11	"	n	0	и	II	
Calcium	226.4	0.5300	11	Ħ	u	0	12/18/07 16:16	n	
Cadmium	ND	0.004000	Ħ	Ħ	ij	II.	12/18/07 16:19	"	
Chromium	ND	0.006000	. #	#	11	11	**	**	
Copper	ND	0.01200	ii.	"	11	n	12/18/07 16:18	"	
Iron	0.4332	0.06400	и	11	n	11	11	II .	
Mercury	ND	0.00073	u	"	B7L1824	12/18/07	12/19/07 10:40	EPA 245.1	•
Potassium	3.483	0.9000	11	"	B7L1743	12/17/07	12/18/07 16:16		
Magnesium	46.91	0.4100	**	"	"	u	и	11	
Manganese	0.3418	0.01100	**	**	u .	n n	12/18/07 16:18	II	
Sodium	143.1	0.7100	n	11	11	, W	12/18/07 16:16		
Nickel	ND	0.01000	н		11	n	12/18/07 16:19	"	
Antimony	ND	0.02300			"	Ħ	"	**	
Selenium	ND	0.02500	**	ıı	**	н	,,	11	
Silica (SiO2)	24.62	0.1500	11	n	**	11	12/20/07 10:21	11	
Strontium	1.184	0.08900	11	11	"		12/18/07 16:16		
Thallium	ND	0.0000	17	17	н	11	12/18/07 16:19	11	
Zinc	ND	0.02400	n	n	11	п	12/16/07 10.19	n	
			10/10/05	14.00					
SJBA 2 (0712292-02) Water S								·	
Silver	ND	0.003000	mg/L	1	B7L1743	12/17/07	12/18/07 16:24	EPA 200.7	
Aluminum	ND	0.06300	11	11	**	n	11	Ħ	
Arsenic	· ND	0.02500	**	11	n	n	n	"	*
Barium	0.05824	0.01900	n	11	. 11	н	Ħ	н	
Beryllium	ND	0.009000	n	. "	17	H	II .	и ,	
Calcium	225.3	0.5300	H	**	17	Ħ	12/18/07 16:22	n	
Cadmium	ND	0.004000	н	и .	Ħ	Ħ	12/18/07 16:24	n	
Chromium	ND	0.006000	11			Ħ	II .	n	
Copper	ND	0.01200	11	н	11	11	11	n .	
-opp-i	ND	0.01200				11	11	11	
• •	0.1502	0.06400	".		It	11	. "		
[ron			n n	# . H	" B7L1824	12/18/07	12/19/07 10.42	EPA 245.1	
I <b>ron</b> Mercury	0.1502	0.06400					•		
Iron Mercury Potassium	<b>0.1502</b> ND	0.06400 0.00073			B7L1824	12/18/07	12/19/07 10.42		
Iron Mercury Potassium Magnesium	0.1502 ND 3.579	0.06400 0.00073 0.9000 0.4100	11	II	B7L1824 B7L1743	12/18/07 12/17/07	12/19/07 10:42 12/18/07 16:22	EPA 200.7	
Iron Mercury Potassium Magnesium Manganese	0.1502 ND 3.579 51.00 0.5258	0.06400 0.00073 0.9000 0.4100 0.01100	11	H H	B7L1824 B7L1743	12/18/07	12/19/07 10:42 12/18/07 16:22	EPA 200.7	
Iron Mercury Potassium Magnesium	0.1502 ND 3.579 51.00	0.06400 0.00073 0.9000 0.4100	15 16 19	0 11 U	B7L1824 B7L1743	12/18/07	12/19/07 10:42 12/18/07 16:22 " 12/18/07 16:24	EPA 200.7	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

# Metals by EPA 200 Series Methods

		Dietra 111							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SJBA 2 (0712292-02) Water	Sampled: 12/12/07 11:35	Received:	12/12/07	14:00					
Selenium	. ND	0.02600	mg/L	1	B7L1743	12/17/07	12/18/07 16:24	EPA 200.7	
Silica (SiO2)	28.72	0.1500	н	11	tt .	II	12/20/07 10:21	n	
Strontium	1.112	0.08900	"	Ħ	11	II .	12/18/07 16:22	n	
Thallium	ND	0.01100	n	Ħ	u	. 11	12/18/07 16:24	"	
Zinc	ND	0.02400	n	11	11	п	·	11	
SJBA 4 (0712292-03) Water	Sampled: 12/12/07 11:50	Received:	12/12/07	14:00		•			
Silver	ND	0.003000	mg/L	1	B7L1743	12/17/07	12/18/07 16:30	EPA 200.7	
Aluminum	ND	0.06300	11	n	n	11	11	"	
Arsenic	ND	0.02500	"		Ħ	11	"	. 4	
Barium	0.06795	0.01900	11	11	n	II	n	н .	
Beryllium	ND	0.009000		11	п	11	n	· ·	
Calcium	244.4	0.5300	11	11	II	U	12/18/07 16:27	U.	
Cadmium	ND	0.004000	**	Ħ	ш	n	12/18/07 16:30	n	
Chromium	ND	0.006000	n	n'	ıí	n		n	
Copper	ND	0.01200	11	U	11	n	u ·	11	
Iron	0.2816	0.06400	11	. "	11	**	11	n	
Mercury	ND	0.00073		n	B7L1824	12/18/07	12/19/07 10:44	EPA 245.1	
Potassium	4.974	0.9000	11	"	B7L1743	12/17/07	12/18/07 16:28	EPA 200.7	•
Magnesium	67.59	0.4100	11	"	11	**		Ħ	
Manganese	1.023	0.01100	n	"	**	11	12/18/07 16:29	u	
Sodium	227.7	0.7100	Ħ	11	**	II .	12/18/07 16:27	u	
Nickel	ND.	0.01000	. "	tr	н		12/18/07 16:30	. "	
Antimony	ND	0.02300	n	11				n	
Selenium	ND	0.02600	н .	n	"	n	n	u.	
Silica (SiO2)	24.62	0.1500	. #		II .	u u	12/20/07 10:21	U	
Strontium	1.255	0.08900	ш	ij	n .		12/18/07 16:27	н .	
Thallium	ND	0.01100	11	n	II .	n	12/18/07 16:30	n	
Zinc	ND	0.02400	n.	n	11	т .	. "	n	

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.



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

# Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita (0712292-01) Water	Sampled: 12/12/07 11:15	Received	: 12/12/0	7 14:00					
Benzene	ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:06	EPA 8260B	
Bromobenzene	ND	1.0	"	**	**	n	n	n	
Bromochloromethane	ND	1.0	n	**	n'	n	. **	n .	
Bromodichloromethane	ND	1.0	U		u	n	n ,	11	
Bromoform	ND	1.0	II .	н	n	"	n	n	
Bromomethane	ND	1.0	n	11	II	n	н	n	
n-Butylbenzene	ND	1.0	и .	- 11	11	Ħ	u	. "	
sec-Butylbenzene	ND	1.0	11	11	11	n	u	H.	
tert-Butylbenzene	ND ·	1.0	11	11	n	11	п	и	
Carbon tetrachloride	ND .	1.0	#	n	n	"		н	
Chlorobenzene	ND	1.0	11	n	**	u	ıı	н	
Chloroethane	ND	1.0		н	н '	u u	11	и	
Chloroform	ND	1.0	n .	н	11		11	n	
Chloromethane	ND	1.0	n .	n	п	11	11	11	
2-Chlorotoluene	, ND	1.0	11	II .	· "	11	11	n .	
4-Chlorotoluene	ND	1.0	n	n		**		n	
Dibromochloromethane	ND	1.0	11	11	n	*		,	
1,2-Dibromo-3-chloropropane	ND	5.0	#1	11	н	,,		"	
1,2-Dibromoethane (EDB)	ND	1.0	"	,,	"	11		, .	
Dibromomethane	ND	1.0	н	**	11	**	Ħ	**	
1,2-Dichlorobenzene	ND	1.0		,,		u	11	· и	
1,3-Dichlorobenzene	ND	1.0	11	tt.	11	11			
I,4-Dichlorobenzene	ND	1.0	11	11	11	u	п		
Dichlorodifluoromethane	ND	1.0	11	n	ır	u	11		
I,1-Dichloroethane	ND	1.0	,, .	11	п	н	11	и .	
1,2-Dichloroethane	ND	1.0	**	"	ıı	n	11	п	
1,1-Dichloroethene	ND	1.0	"		u		. 11		
cis-1,2-Dichloroethene	ND	1.0	. "	11				11	
rans-1,2-Dichloroethene	ND ND		и,	. "	11	n	,,	n	
1,2-Dichloropropane	ND	1.0		n	11	n		n	
1,3-Dichloropropane	ND	1.0		,,	ti	n			
		1.0	**	n	n	n			
2,2-Dichloropropane	ND ND	1.0	11	"	"	"			
1,1-Dichloropropene		1.0	"		"	"			
cis-1,3-Dichloropropene	ND	1.0	11	"	" "	" "	"		
rans-1,3-Dichloropropene	ND	1.0	, ,	"	"	" "	<b>"</b> .		
Ethylbenzene	ND	1.0	"	11	"	n	"		
Hexachlorobutadiene	ND	1.0			**	"		"	
sopropylbenzene	ND	1.0	"	"	"		II	11	
o-Isopropyltoluene	ND	1.0	n	II .		n	11		
Methylene chloride	ND	1.0	**	н	11	n	11	n	

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.



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B

#### Sierra Analytical Labs. Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita (0712292-01) Water S	ampled: 12/12/07 11:15	Received	l: 12/12/07	4:00					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:06	5 EPA 8260B	
Naphthalene	ND	1.0	II	"	U	11	11	11	
n-Propylbenzene	ND	1.0	11	11	. 0		er e	11	
Styrene	ŊD	1.0	11	11	п	"	n	и .	
1,1,1,2-Tetrachloroethane	ND	1.0	11	"	11	"	. 11	11	•
1,1,2,2-Tetrachloroethane	ND	1.0	**	**	. <sup>11</sup>	11	11	n	
Tetrachloroethene	ND	1.0	"	11	n	**	11	"	
Toluene	ND	1.0	11	**	**	Ħ	n ·	n	
1,2,3-Trichlorobenzene	ND	1.0			**	11	n	ı	
1,2,4-Trichlorobenzene	ND	1.0	11	"	п	u	n	н	
1,1,1-Trichloroethane	ND	1.0	n	"	п	n	- n	и	
1,1,2-Trichloroethane	ND	1.0	11	n	11	11	u	н	
Trichloroethene	ND	1.0		**	11	11	n	n	
Trichlorofluoromethane	ND	1.0	11	**	*	n .	u u	11	
1,2,3-Trichloropropane	ND	1.0	It	**	**	11	u	11	
1,2,4-Trimethylbenzene	ND	1.0	н	"	17	n	11	II	
1,3,5-Trimethylbenzene	ND	1.0	п		II .	"	, 11	II.	
Vinyl chloride	ND	1.0	11	"	. "	"	"	U	•
m,p-Xylene	ND	1.0		n .	п	n	, ,	It	
o-Xylene	ND	1.0	11	11	· II	H	**	'n	
Surrogate: Dibromofluoromethane		105 %	86-11	<del></del>	n	"	"	"	
Surrogate: Toluene-d8		106 %	88-11	)	n	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	86-11.		"	"	"	. "	
SJBA 2 (0712292-02) Water San		eceived: 1	12/12/07 14・	'nα					
5.1 DA 2 (U/12292-U2) Water San	ADIEG: 12/12/07 11:55 K			vv					
					B71.1815	12/18/07	12/18/07 14:06	EPA 8260B	· · · · · · · · · · · · · · · · · · ·
Benzene	ND	1.0	μg/L	1 "	B7L1815	12/18/07	12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene	ND ND	1.0 1.0	μg/L	1			12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene Bromochloromethane	ND ND ND	1.0 1.0 1.0	μg/L "	1	n	Ħ	12/18/07 14:06	; EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane	ND ND ND ND	1.0 1.0 1.0 1.0	μg/L "	1	11	17	12/18/07 14:06	5 EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform	ND ND ND ND ND	1.0 1.0 1.0 1.0	μg/L " "	1	n n n	17	12/18/07 14:06	5 EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane	ND ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0	μg/L " "	1 " " " " " " " " " " " " " " " " " " "	11 11 11	# # # # # # # # # # # # # # # # # # #	12/18/07 14:06	5 EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane ar-Butylbenzene	ND ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " "	1 " " " " " " " " " " " " " " " " " " "	11 11 11 11	# # # # # # # # # # # # # # # # # # #	12/18/07 14:06	5 EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene	ND ND ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " "	1 " " " " " " " " " " " " " " " " " " "	п п п	# #	12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene	ND ND ND ND ND ND ND ND	1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " " "	1 " " " " " " " " " " " " " " " " " " "	H H H H H H H H H H H H H H H H H H H	# #	12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " " " " " " " " " " " "	1 " " " " " " " " " " " " " " " " " " "	H H H H H H H H H H H H H H H H H H H	# #	12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L n n n n n n n n n n n n n n n n n n n	1 " " " " " " " " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11	17	12/18/07 14:06	5 EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " " " " " " " " " " " " " " " " " "	1 " " " " " " " " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11	17	12/18/07 14:06	EPA 8260B	
Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	μg/L " " " " " " " " " " " " " " " " " " "	1 " " " " " " " " " " " " " " " " " " "	11 11 11 11 11 11 11 11 11 11 11 11 11	17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	12/18/07 14:06	EPA 8260B	



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

Project Number: Wells Quarterly

Reported:

Project Manager: Pierre Dreher 01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B

#### Sierra Analytical Labs, Inc.

		Reporting	ialytica						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed -	Method	Notes
SJBA 2 (0712292-02) Water	Sampled: 12/12/07 11:35	Received:	12/12/07	14:00					
4-Chlorotoluene	ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:0		
Dibromochloromethane	ND	1.0	11	n	11	u	11	· , 11	•
1,2-Dibromo-3-chloropropane	ND	5.0	u	"	"	n	n	11	
1,2-Dibromoethane (EDB)	ND	1.0	и	U	"	11	#	11	
Dibromomethane	ND	1.0	11			н	11	rr ·	
I,2-Dichlorobenzene	ND	1.0	10	II .	ti	'n	n ·	II .	
1,3-Dichlorobenzene	ND	1.0	"	11	11	Ħ	. 0	tt	
1,4-Dichlorobenzene	ND	1.0	Ħ	n	u	11		"	
Dichlorodifluoromethane	ND	1.0	Ħ	. 11	II .	0	. "	"	
1,1-Dichloroethane	ND	1.0	"	· n		υ,	11	11	
1,2-Dichloroethane	ND	1.0			"	n '	#	"	
1,1-Dichloroethene	ND	1.0	n	"	"	n	**	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	**	If	n	"	
trans-1,2-Dichloroethene	ND	1.0	*	"	u	n	u	"	
1,2-Dichloropropane	ND	1.0	'n		11	н	n	11	
1,3-Dichloropropane	ND	1.0	II .	" .		n	n	n	
2,2-Dichloropropane	ND	1.0	u	11	II .	n	· #	н	•
1,1-Dichloropropene	ND	1.0	H	II .	u	11	n ,	п	•
cis-1,3-Dichloropropene	ND	1.0	н		. n	u	.#	n	
trans-1,3-Dichloropropene	ND	1.0	Ħ	+ H	11	n	· · · · · · · · · · · · · · · · · · ·	ii	
Ethylbenzene	ND	1.0	#	11	"	n	n	n	
Hexachlorobutadiene	ND	1.0	**	**	н -	**	n	*	•
Isopropylbenzene	, ND	1.0	п		Ħ	17	н		
p-Isopropyltoluene	ND	1.0	n	и .	n	н	<b>"</b> .	. "	
Methylene chloride	ND	1.0	n	n	n	н	n	п	
Methyl tert-butyl ether	ND	1.0	11		11	. 11	"	ıı	
Naphthalene	ND	1.0	**	II.	u .	н	**	n	
n-Propylbenzene	ND	1.0	**	·		u .	11	. ,	
Styrene	ND	1.0	**	u	n	U	11	n	
1,1,1,2-Tetrachloroethane	ND	1.0	"	n n	11	II .	u	11	
1,1,2,2-Tetrachloroethane	ND	1.0	п	11	11	u u	u	11	*
Tetrachloroethene	ND ND	1.0	II,	11	11	n		n	
Toluene	ND	1.0		. "	"		**	11	
1,2,3-Trichlorobenzene	ND	1.0		Ħ	#1	11	**	u	
1,2,4-Trichlorobenzene	ND	1.0	u	11	**	11	#	п	
1,1,1-Trichloroethane	ND	1.0	11	11	n	н .	11		
1,1,2-Trichloroethane	ND	1.0	n	Ħ			11	ıı	
Trichloroethene	ND ND	1.0	**	n		#	 U	"	
Trichlorofluoromethane	ND ND		**	н	н	11		11	
1,2,3-Trichloropropane	ND ND	1.0 1.0	**			u	"	11	
1,2,3- Hemoropropane	IND	1.0							



Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675

Project Manager: Pierre Dreher

# Volatile Organic Compounds by EPA Method 8260B

#### Sierra Analytical Labs, Inc.

				iary tica				·		
Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA 2 (0712292-02) Water	Sampled:	12/12/07 11:35	Received:	12/12/07	14:00					
1,2,4-Trimethylbenzene		ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:0	6 EPA 8260B	
1,3,5-Trimethylbenzene		ND	1.0	11	, "	"	II	Ħ	и .	
Vinyl chloride		ND	1.0	11	II	II	II.	Ħ	u u	
m,p-Xylene		ND	1.0		"	H	n	II .	II.	
o-Xylene		ND	1.0	**	. #	11	11	н	17	
Surrogate: Dibromofluorometi	hane		106 %	86-	-118	n	"	n	, ,	
Surrogate: Toluene-d8			107%	88-	-110	<i>n</i> .	n	,,	n·	
Surrogate: 4-Bromofluorobenz	zene		103 %		-115	"	"	"	"	
SJBA 4 (0712292-03) Water	Sampled:	12/12/07 11:50	Received:	12/12/07	14:00	•				•
Benzene		ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:0	6 EPA 8260B	
Bromobenzene		ND	1.0	"	n	er ·	11	12,10,0,11.0	"	
Bromochloromethane		ND	1.0	и,	II .	"	"	11	Ħ	
Bromodichloromethane		ND	1.0		. "	н	u	#		
Bromoform		ND	1.0	**	**	и	n	11	н	
Bromomethane		ND	1.0	#		11	н .	n	II .	
n-Butylbenzene		ND	1.0	11	u	**	н	II .	н	
sec-Butylbenzene		ND	1.0	ш.,	II	**	11	n	11	
tert-Butylbenzene		ND	1.0		n	II .	11	n	н ,	
Carbon tetrachloride		ND	1.0	n ·	n	II .	u	n	n.	
Chlorobenzene		, ND	1.0	**	11	11	n	"	н	
Chloroethane	•	ND	1.0	#	11	. 11	17	н	п	
Chloroform		ND	1.0	n	и ,	n	#	n	п	
Chloromethane		ND	1.0	"	II .	n	. #	n	n	
2-Chlorotoluene		ND	1.0	u	. 11	If	11	11	Ħ	
4-Chlorotoluene		ND	1.0	II .	n	H ,		"	п	
Dibromochloromethane		ND	1.0	n	**	H	n	. 41		
1,2-Dibromo-3-chloropropane		. ND	5.0	**	" ,	н	и :	u	п	
1,2-Dibromoethane (EDB)		ND	1.0	#	H	11	11	н	ú ·	
Dibromomethane		ND	1.0	n	n	Ħ	11	11	и	
1,2-Dichlorobenzene		ND	1.0		II II	11	Ħ	11	, n	
1,3-Dichlorobenzene		ND	1.0	"	и.	17	#	"	n	
1,4-Dichlorobenzene		ND	1.0	"	II	11	n	"	n n	
Dichlorodifluoromethane		ND	1.0	)1	11	It	н	#	11	
1,1-Dichloroethane		ND	1.0	"	11	11	. "11	tt .	. "	
1,2-Dichloroethane		ND	1.0	"	**	п	n n	H		
1,1-Dichloroethene		ND	1.0	Ħ	**	n	n	п	n .	
cis-1,2-Dichloroethene		ND -	1.0	Ħ	Ħ	11	11	11	n.	
trans-1,2-Dichloroethene		. ND	1.0	, "	. "	"	11	11	Ħ	X.
1,2-Dichloropropane		ND	1.0	u	II	11	Ħ	tf .	п	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA 4 (0712292-03) Water	Sampled: 12/12/07 11:50	Received:	12/12/07	14:00					
1,3-Dichloropropane	ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:0	6 EPA 8260B	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2,2-Dichloropropane	ND	1.0	"	II	n	n	"	"	
1,1-Dichloropropene	ND	1.0	11	11	11	II	"	11	
cis-1,3-Dichloropropene	ND	1.0	11	11	11	"	u	n	
trans-1,3-Dichloropropene	ND	1.0	"	11		11	II .	11	
Ethylbenzene	ND	1.0	#	u	"	11	. "	"	
Hexachlorobutadiene	. ND	1.0	ıı	II .	H	11	II .	n	
Isopropylbenzene	ND	1.0	11	11	Ħ	11	n	**	
p-Isopropyltoluene	ND	1.0	*	n	. 11	11	11	п	
Methylene chloride	ND	1.0	**	`, #	11	**	Ħ	n .	
Methyl tert-butyl ether	, ND	1.0	II .	11	II .	n	ıı	"	
Naphthalene	ND	1.0	11	и -	n	11	ıı	**	-
n-Propylbenzene	ND	1.0	n		n	n	n	. н	
Styrene	ND	1.0	n	II*	. "	n	; #	."	
1,1,1,2-Tetrachloroethane	ND	1.0	#	Ħ	"	If	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	u	Ħ	n	17	n	11	
Tetrachloroethene	ND	1.0	n .		п	n	u	n	
Toluene	ND	1.0	n	n	II .	. 11	11	n	
1,2,3-Trichlorobenzene	ND	1.0	"	n	. 11	u	n	27	
1,2,4-Trichlorobenzene	ND	1.0	Ħ	n	n	n n	. "	n	
1,1,1-Trichloroethane	ND	1.0	11	#	n	n	n	u	
1,1,2-Trichloroethane	ND	1.0	II .	er er	n	n	11	п	
Trichloroethene	ND	1.0	11	n .	н	, n	u	и .	_
Trichlorofluoromethane	ND	1.0	11	, li	"	H	n.	n	
1,2,3-Trichloropropane	ND	1.0	17	Ħ	11	11	u	. <b>n</b>	
1,2,4-Trimethylbenzene	ND	1.0	"	"	n	u	n	Ħ	
1,3,5-Trimethylbenzene	ND	1.0	n	11	n	ıı	n	H	
Vinyl chloride	ND	1.0	11	11	n	n	**	II	
m,p-Xylene	ND	1.0	и .	и	Ħ	n		11	
o-Xylene	ND	1.0	11	. 0	n	. n	n	n	
Surrogate: Dibromofluorometh	ane	105 %	86-	118	"	"	"	"	
Surrogate: Toluene-d8		106 %	88-	110	"	"	"	n	
Surrogate: 4-Bromofluorobenze	ene .	102 %	86-		n	"	n	"	



Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675

Volatile Organic Compounds by EPA Method 8260B

#### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0712292-04) Water	Sampled: 12/12/07 12:00	Receive	d: 12/12	/07 14:00					
Benzene	ND	1.0	μg/L	.1	B7L1815	12/18/07	12/18/07 14:00	5 EPA 8260B	
Bromobenzene	ND	1.0	. "		II	**	"	ır	
Bromochloromethane	ND	1.0	n .	11	"	**	n	п	
Bromodichloromethane	ND	1.0	Ħ	11	11	II	n.	11	
Bromoform	ND	1.0	n '	**	17	n	17	II .	
Bromomethane	ND	1.0	D	, 11		11	H .	11	
n-Butylbenzene	ND	1.0	n	11	и	11	п	. "	
sec-Butylbenzene	. ND	1.0	Ħ	"	. н	II.	D .	n	
tert-Butylbenzene	ND	1.0	U	**	**	н	19	Ħ	
Carbon tetrachloride	ND	1.0	n	n	**	n	**	11 .	
Chlorobenzene	ND	1.0	"	п	IT	н	11	II .	
Chloroethane	ND	1.0	n	11	H	"		- 11	
Chloroform	ND	1.0		IT	11	ii .		. 11	
Chloromethane	ND	1.0	n	п	11	II	11	"	
2-Chlorotoluene	. ND	1.0		ıı .	**	II.	11	n	
4-Chlorotoluene	ND	1.0	11	,	17	#	11	n	
Dibromochloromethane	ND	1.0		it .	11	n	п	n	
1,2-Dibromo-3-chloropropane	ND	5.0	P	u	n	n	n	. "	
1,2-Dibromoethane (EDB)	ND	1.0	r	н	n	u	"	n	
Dibromomethane	ND	1.0	11	. "	n	n	**	n	
1,2-Dichlorobenzene	ND	1.0	11	Ħ	li-	11	**	ıı	
1,3-Dichlorobenzene	ND	1.0	n·	n	11	11	25	n	
1,4-Dichlorobenzene	ND	1.0	"	11	n	n	u	n	
Dichlorodifluoromethane	ND ND	1.0	17	11	n .	n	и	,	
1,1-Dichloroethane	ND	1.0	n	"	n	11	n	n	
1,2-Dichloroethane	ND	1.0	н	n	u ·	n	e	u .	
1,1-Dichloroethene	ND	1.0	11	p . 5	11	11		U	
cis-1,2-Dichloroethene	ND ·	1.0		и	11	н		U	
trans-1,2-Dichloroethene	ND		. 11	11	"	u		н	
1,2-Dichloropropane	ND ND	1.0	tt.	"	#		**		
1,2-Dichloropropane  1,3-Dichloropropane	ND ND	1.0	n		11	, .		15	
		1.0		"	" II	"		11	
2,2-Dichloropropane	ND .	1.0			"	" "	"		
1,1-Dichloropropene	ND	1.0	,,	,,	"	"	, <b>"</b> 		
cis-1,3-Dichloropropene	ND	1.0	."	"	`,	11	"		
trans-1,3-Dichloropropene	ND	1.0	n ,	"	" !!	"	"		
Ethylbenzene	ND	1.0		"	"	"	Ħ		
Hexachlorobutadiene	ND	1.0				-	11	T	
Isopropylbenzene	. ND	1.0	II .	` II		n	"	11	
p-Isopropyltoluene	ND	1.0	11	n	II	"	**		
Methylene chloride	ND	1.0	n	11	11	H	11	"	



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0712292-04) Water	Sampled: 12/12/07 12:00	Receive	ed: 12/12/0	7 14:00					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B7L1815	12/18/07	12/18/07 14:0	5 EPA 8260B	
Naphthalene	ND	1.0	. 11	11	11	'n	ıı ,	п	
n-Propylbenzene	ND	1.0	"	11	11	н	n .	II .	
Styrene	ND	1.0	n .	"	Ħ		11	II	
1,1,1,2-Tetrachloroethane	ND	1.0	11	11	п	11	11	1i	
1,1,2,2-Tetrachloroethane	, ND	1.0	11	**	11	**		n	
Tetrachloroethene	ND	1.0	U	**	11	11	11	**	
Toluene	, ND	1.0	II	11	Ħ	۳.	11	Ħ .	
1,2,3-Trichlorobenzene	ND	1.0	11	и.	Ħ	Ħ	u	*	
1,2,4-Trichlorobenzene	ND	1.0	'n	11	n .		II .	U	
1,1,1-Trichloroethane	ND	1.0	Ħ	11	п	n	n	II	
1,1,2-Trichloroethane	. · ND	1.0	11	"	II	"	"	. "	
Trichloroethene	ND	1.0	u		11	n	**	**	
Trichlorofluoromethane	ND	1.0	.00	**	u	Ħ	**	"	
1,2,3-Trichloropropane	ND	1.0	11	11	"	Ħ	. "	*	·
1,2,4-Trimethylbenzene	ND	1.0	"	. "	<b>11</b>	Ħ	n		
1,3,5-Trimethylbenzene	ND	1.0	#	11	lt	11	n		
Vinyl chloride	ND	1.0	ď	n	u	μ	**	n.	
m,p-Xylene	ND	1.0	11	11	11	, n		"	
o-Xylene	ND	1.0	"	11	11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11	· #	
Surrogate: Dibromofluoromethane		104 %	86-1	18	"	"	n	"	
Surrogate: Toluene-d8		105 %	88-1	10	"	n	. "	n	
Surrogate: 4-Bromofluorobenzene		104 %	86-1	15	. "	"	"	"	. 2



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### 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 B7L1818 - Organic Carbon

 Blank (B7L1818-BLK1)
 Prepared & Analyzed: 12/18/07

 Total Organic Carbon
 ND
 0.50 mg/L



32470 Paseo Adelanto

Project: NA

Project Number: Wells Quarterly

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675

# Project Manager: Pierre Dreher 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 B7L1743 - EPA 200 Series										
Blank (B7L1743-BLK1)			•	Prepared:	12/17/07	Analyzed	l: 12/18/07			
Aluminum	ND	0.06300	mg/L		•					
Antimony	ND	0.02300	11							
Arsenic	ND	0.02500	"							
3arium	ND	0.01900	11							
Beryllium	ND	0.009000	n							
Cadmium	ND	0.004000	"							
Calcium	. ND	0.5300	**							
Chromium	ND	0.006000	**							
Copper	ND .	0.01200	"							
ron	ND	0.06400	"							
Magnesium	ND	0.4100	II				•			
Manganese	ND	0.01100	11	,		•				
Vickel	ND	0.01000	Ħ							
Potassium	ND	0.9000	ñ.							
Selenium	ND	0.02600	. "							
Silver	ND	0.003000	п							
Sodium	ND	0.7100								
Strontium	ND	0.08900	н						•	
Thallium	ND	0.01100	. 11							
Zinc	ND	0.02400	н							
Silica (SiO2)	ND	0.1500	п							
	ND	0.1300								
Blank (B7L1743-BLK2)		· · · · · · · · · · · · · · · · · · ·		Prepared:	12/17/07	Analyzed	: 12/18/07			
Aluminum	ND	0.06300	mg/L							
Antimony	ND	0.02300	"		,					
Arsenic	ND	0.02500	11							
Barium	ND	0.01900	"							
Beryllium	, ND	0.009000	II .							
Cadmium	ND	0.004000	II		J	*	•			
Calcium	ND	0.5300	н							
Chromium	ND	0.006000	н					7		
Copper	ND	0.01200	п							
ron	· ND	0.06400	U							
Magnesium	ND	0.4100	11					*		
Manganese	ND	0.01100	п							
lickel	ND	0.01000	н							
otassium	ND	0.9000								



Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675

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# 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 B7L1743 - EPA 200 Series	3								٠.	
Blank (B7L1743-BLK2)				Prepared:	12/17/07	Analyzed	12/18/07		·	
Selenium	ND	0.02600	mg/L							
Silver	ND	0.003000	11							
Sodium	ND .	0.7100	11							
Strontium	ND	0.08900	**							
Thallium	ND	0.01100	11							
Zinc	. ND	0.02400	11							
ilica (SiO2)	. ND	0.1500	11							
.CS (B7L1743-BS1)				Prepared:	12/17/07	Analyzed	12/18/07			
Aluminum	0.197	0.06300	mg/L	0.200		98.5	75-125			
ntimony	0.196	0.02300	н	0.200		98.0	85-115			
rsenic	0.192	0.02500		0.200		96.0	80-120		,	
arium	0.205	0.01900	"	0.200	•	102	85-115			
eryllium	0.201	0.009000	"	0.200		100	85-115			
admium	0.187	0.004000		0.200		93.5	85-115			
alcium	10.1	0.5300		10.2		99.0	80-120			
hromium	0.200	0.006000	н	0.200		100	85-115			
opper	0.195	0.01200	"	0.200		97.5	85-115			
on	0.209	0.06400	11	0.200	•	104	70-130			
agnesium	. 10.2	0.4100	Ħ	10.2		100	80-120			
langanese	0.210	0.01100	n	0.200		105	85-115			
ickel	. 0.205	0.01000	и .	0.200		102	85-115			
otassium	9.95	0.9000	11	10.2		97.5	80-120			
elenium	0.188	0.02600		0.200		. 94.0	85-119	,		
ilver	0.195	0.003000	11	0.200		97.5	85-115			
odium	9.90	0.7100	17	10.2		97.1	80-120			
trontium	0.200	0.08900	**	0.200		100	75-125			
hallium	0.196	0.01100	11*	0.200		98.0	85-115			
inc	0.180	0.02400	11	0.200		90.0	85-115			
ilica (SiO2)	0.237	0.1500	и	0.200		118	60-140			



Project: NA

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

Reported: 01/03/08 09:44

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 B7L1743 - EPA 200 Series										
LCS (B7L1743-BS2)				Prepared:	12/17/07	Analyzed	l: 12/18/07			
Aluminum	0.193	0.06300	mg/L	0.200		96.5	75-125			
Antimony	0.176	0.02300	II .	0.200		88.0	85-115			
Arsenic	0.174	0.02500	11	0.200		87.0	80-120			
Barium	0.200	0.01900	n	0.200		100	85-115			
Beryllium	0.199	0.009000	ij	0.200		99.5	85-115			
Cadmium	0.183	0.004000	**	0.200		91.5	85-115			
Calcium	10.1	0.5300		10.2		99.0	80-120			
Chromium	0.200	0.006000	п	0.200		100	85-115			
Copper	0.195	0.01200	II .	0.200		97.5	85-115			
Iron	0.204	0.06400		0.200		102	70-130			
Magnesium	10.3	0.4100		10.2		101	80-120			
Manganese	0.203	0.01100	n	0.200	•	102	85-115			
Nickel	0.203	0.01000	n	0.200		102	85-115			•
Potassium	9.90	0.9000	n	10.2		97.1	80-120			•
Selenium	0.188	0.02600	"	0.200		94.0	85-119			
Silver	0.196	0.003000	#	0.200		98.0	85-115			
Sodium	9.93	0.7100	**	10.2		97.4	80-120	•		
Strontium	0.197	0.08900	17	0.200		98.5	75-125			
Challium Challium	0.182	0.01100	п	0.200		91.0	85-115			
Zinc	0.187	0.02400	п	0.200		. 93.5	85-115			
Silica (SiO2)	0.240	0.1500	H	0.200		120	60-140			
Matrix Spike (B7L1743-MS1)	So	urce: 071 <b>22</b> 3	7-03	Prepared:	12/17/07	Analyzed	l: 12/18/07			
Aluminum	0.198	0.06300	mg/L	0.200	ND	99.0	70-130			
Antimony	0.200	0.02300	n	0.200	ND	100	70-130			
Arsenic	0.200	0.02500	11	0.200	ND	100	70-130			•
3arium	0.235	0.01900	11	0.200	0.03629	99.4	70-130			
Beryllium	0.196	0.009000	11	0.200	ND	98.0	70-130			
Cadmium	0.184	0.004000	Ħ	0.200	ND	92.0	70-130			
Calcium	112	0.5300	17	10.2	102.5	93.1	70-130			
Chromium	0.194	0.006000	11	0.200	ND	97.0	75-130			
Copper	0,222	0.01200	n	0.200	0.01610	103	70-130			
ron	0.291	0.06400	ti	0.200	0.09800	96.5	70-130			
Magnesium	45.3	0.4100	n	10.2	36.05	90.7	70-130			
Manganese	0.289	0.01100	Ħ	0.200	0.09191	98.5	. 70-130			
Vickel	0.206	0.01000	11	0.200	0.01097	97.5	70-130			
Potassium	46.6	0.9000	Ħ	10.2	36.68	97.3	70-130			



Project: NA

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

Reported: 01/03/08 09:44

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 B7L1743 - EPA 200 Series		,						·		
Matrix Spike (B7L1743-MS1)	So	urce: 071223	7-03	Prepared	l: 12/17/07	Analyzed	: 12/18/07	_		
Selenium	0.188	0.02600	mg/L	0.200	0.009240	89.4	70-130			
Silver	0.196	0.003000	Ħ	0.200	0.0009840	97.5	70-130			
Sodium	186	0.7100	11	10.2	177.7	81.4	70-130			QM-0
Strontium	1.02	0.08900	11	0.200	0.8320	94.0	70-130			
Thallium	0.180	0.01100	11	0.200	ND	90.0	70-130			
Zinc	0.344	0.02400	11	0.200	0.1620	91.0	70-130			
Silica (SiO2)	8.77	0.1500	"	0.200	8.296	237	60-140			QM-0
Matrix Spike (B7L1743-MS2)	So	urce: 071230	4-03	Prepared	: 12/17/07	Analyzed	: 12/18/07			
Aluminum	0.202	0.06300	mg/L	0.200	ND	101	70-130			
Antimony	0.176	0.02300	n	0.200	ND.	88.0	70-130			
Arsenic	0.179	0.02500	. 11	0.200	ND	89.5	70-130			
Barium	0.275	0.01900	"	0.200	0.07960	97.7	70-130			
Beryllium	0.200	0.009000		0.200	ND	100	70-130			
Cadmium	0.182	0.004000	и .	0.200	ND	91.0	70-130			
Calcium	60.4	0.5300	"	10.2	49.21	110	70-130			
Chromium	0.196	0.006000	. #	0.200	ND	98.0	75-130.			
Copper	0.204	0.01200	11	0.200	ND	102	70-130			
Iron	0.216	0.06400	u	0.200	0.02386	96.1	70-130			
Magnesium	24.3	0.4100	u	10.2	13.58	105	70-130			
Manganese	0.198	0.01100	н	0.200	ND	99.0	70-130			
Nickel	0.190	0.01000	u.	0,200	ND	95.0	70-130			
Potassium	11.1	0.9000	n	10.2	0.8601	100	70-130			
Selenium	0.167	0.02600	11	0.200	0.005431	80.8	70-130			
Silver	0.199	0.003000	**	0.200	ND	99.5	70-130			
Sodium	85.9	0.7100	11	10.2	75.53	102	70-130			
Strontium	0.904	0.08900	и .	0.200	0.6973	103	70-130			
Thallium	0.172	0.01100	n.	0.200	ND	86.0	70-130			
Zinc	0.169	0.02400	11	0.200	ND	84.5	70-130			
Silica (SiO2)	27.7	0.1500	**	0.200	27.13	285	60-140			QM-01



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly
Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

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 B7L1743 - EPA 200 Series		,							<u>-</u>	
Matrix Spike Dup (B7L1743-MSD1)	So	urce: 071223	7-03	Prepared	: 12/17/07	Analyzed	l: 12/18/ <b>0</b> 7		•	
Aluminum	0.204	0.06300	mg/L	0.200	ND	102	70-130	2.99	20	
Antimony	0.198	0.02300	n .	0.200	ND	99.0	70-130	1.01	20	
Arsenic	0.201	0.02500	19	0.200	ND	100	70-130	0.499	20	
Barium	0.237	0.01900	"	0.200	0.03629	100	70-130	0.847	20	
Beryllium	0.197	0.009000	**	0.200	ND	98.5	70-130	0.509	20	
Cadmium	0.186	0.004000	11	0.200	ND	93.0	70-130	1.08	20	
Calcium	114	0.5300	*	10.2	102.5	113	70-130	1.77	20	QM-0
Chromium	0.195	0.006000	"	0.200	ND	97.5	75-130	0.514	20	
Copper	0.224	0.01200	Ħ	0.200	0.01610	104	70-130	0.897	20	
ron	0.293	0.06400	"	0.200	0.09800	97.5	70-130	0.685	20	
Magnesium	45.5	0.4100	" .	10.2	36.05	92.6	70-130	0.441	20	
Manganese	0.295	0.01100	н	0.200	0.09191	102	70-130	2.05	20	
Nickel	0.209	0.01000	н	0.200	0.01097	99.0	70-130	1.45	20	
Potassium	47.1	0.9000	н	10.2	36.68	102	70-130	1.07	20	
Selenium	0.190	0.02600		0.200	0.009240	90.4	70-130	1.06	20	
Silver .	0.198	0.003000	н	0,200	0.0009840	98.5	70-130	1.02	20	
Sodium	185	0.7100	н	10.2	177.7	71.6	70-130	0.539	20	QM-0
Strontium	1.03	0.08900	Ħ	0,200	0.8320	99.0	70-130	0.976	20	`
Challium	0.178	0.01100		0.200	ND	89.0	70-130	1.12	20	
Zinc	0.345	0.02400	п	0.200	0,1620	91.5	70-130	0.290	20	
Silica (SiO2)	8.90	0.1500	. н	0.200	8.296	302	60-140	1.47	40	QM-0
Matrix Spike Dup (B7L1743-MSD2)	So	urce: 071230	4-03	Prepared	: 12/17/07	Analyzed	: 12/18/07			
Aluminum	0.202	0.06300	mg/L	0,200	ND	101	70-130	0.00	20	
Antimony	0.183	0.02300	"	0.200	ND	91.5	70-130	3.90	20	
Arsenic	0.184	0.02500	п	0.200	ND	92.0	70-130	2.75	20	
3arium	0.278	0.01900		0.200	0.07960	99.2	70-130	1.08	20	
Beryllium	0.202	0.009000		0.200	ND	101	70-130	0.995	20	5
Cadmium	0.183	0.004000	n	0.200	ND	91.5	70-130	0.548	20	
Calcium	59.4	0.5300	#	10.2	49.21	99.9	70-130	1.67	20	
Chromium	0.198	0.006000	ır	0.200	ND	99.0	75-130	1.02	20	
Copper	0.206	0.01200	**	0.200	ND	103	70-130	0.976	20	
ron	0.224	0.06400	*	0.200	0.02386	100	70-130	3.64	20	
Magnesium	24.0	0.4100		10.2	13.58	102	70-130	1.24	20	
Manganese	0.202	0.01100	**	0.200	ND	101	70-130	2.00	20	
· ·	0.194	0.01000	"	0.200	ND	97.0	70-130	2.08	20	
lickel										



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### 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 B7L1743 - EPA 200 Series										
Matrix Spike Dup (B7L1743-MSD2)	So	urce: 071230	1_03	Prepared	12/17/07	Analyzed:	12/18/07			
Selenium	0.171	0.02600	mg/L	0.200	0.005431	82.8	70-130	2.37	20	
Silver	0.201	0.003000	"	0.200	ND	100	70-130	1.00	20	
Sodium	85.2	0.7100	11	10.2	75.53	94.8	70-130	0.818	20	
Strontium	0.894	0.08900	и	0.200	0.6973	98.3	70-130	1.11	20	
Thallium	0.174	0.01100	u	0.200	ND	87.0	70-130	1.16	20	
Zinc	0.169	0.02400	п .	0.200	ND	84.5	70-130	0.00	20	
Silica (SiO2)	28.0	0.1500	"	0.200	27.13	435	60-140	1.08	40	QM-07
Batch B7L1824 - EPA 200 Series										
Blank (B7L1824-BLK1)				Prepared:	12/18/07	Analyzed:	12/19/07			
Mercury	ND	0.00073	mg/L			·				
Blank (B7L1824-BLK2)				Prepared:	12/18/07	Analyzed:	12/19/07			
Mercury	ND	0.00073	mg/L	<del>-</del>						
LCS (B7L1824-BS1)				Prepared:	12/18/07	Analyzed:	12/19/07			
Mercury	0.00106	0.00073	mg/L	0.00100		106	75-125			
LCS (B7L1824-BS2)				Prepared:	12/18/07	Analyzed:	12/19/07			
Mercury	0.00104	0.00073	mg/L	0.00100		104	75-125			
Matrix Spike (B7L1824-MS1)	Sou	urce: 071223	7-03	Prepared:	12/18/07	Analyzed:	12/19/07	*		
Mercury	0.00109	0.00073	mg/L	0.00100	ND	109	75-125			
Matrix Spike (B7L1824-MS2)	Sou	urce: 071233	5-03	Prepared:	12/18/07	Analyzed:	12/19/07			•
Mercury	0.00112	0.00073	mg/L	0.00100	ND	112	75-125			



Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675 Project Manager: Pierre Dreher

# Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7L1824 - EPA 200 Series										
Matrix Spike Dup (B7L1824-MSD1)	Sou	rce: 071223	7-03	Prepared:	12/18/07	Analyzed	l: 12/19/07			
Mercury	0.00107	0.00073	mg/L	0.00100	ND	107	75-125	1.85	20	
Matrix Spike Dup (B7L1824-MSD2)	Sou	rce: 071233	6-03	Prepared:	12/18/07	Analyzed	: 12/19/07			
Mercury	0.00144	0.00073	mg/Ļ	0.00100	ND	144	75-125	25.0	20	QM-07



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

# Volatile Organic Compounds by EPA Method 8260B - Quality Control

# Sierra Analytical Labs, Inc.

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

Blank (B7L1815-BLK1)				Prepared & Analyzed: 12/18/07	
Benzene .	ND	1.0	μg/L		
Bromobenzene	ND	1.0	и .		
Bromochloromethane	ND	1.0	"		
Bromodichloromethane	ND	1.0	н	· ·	
Bromoform	ND	1.0	II .		
Bromomethane	ND	1.0	11		
n-Butylbenzene	ND	1.0	п	•	
sec-Butylbenzene	ND	1.0	17		
tert-Butylbenzene	ND	1.0	"		
Carbon tetrachloride	ND	1.0	"	•	
Chlorobenzene	ND	1.0	**	•	
Chloroethane	ND	1.0	"		
Chloroform	ND	1.0		•	
Chloromethane	ND	1.0	и		•
2-Chlorotoluene	· ND	1.0	п.		
4-Chlorotoluene	ND	1.0	"		
Dibromochloromethane	ND	1.0	"		
1,2-Dibromo-3-chloropropane	ND	5.0	"		•
1,2-Dibromoethane (EDB)	. ND	1.0	11		
Dibromomethane	ND	1.0	n		
1,2-Dichlorobenzene	ND	1.0	rr		
1,3-Dichlorobenzene	ND	1.0	"		
1,4-Dichlorobenzene	ND	1.0	"		
Dichlorodifluoromethane	ND	1.0	11		
1,1-Dichloroethane	ND	1.0	**		
1,2-Dichloroethane	ND	1.0	11	·	
1,1-Dichloroethene	ND	1.0	11		
cis-1,2-Dichloroethene	ND	1.0			
trans-1,2-Dichloroethene	ND	1.0			
1,2-Dichloropropane	ND	1.0	н	•	
1,3-Dichloropropane	ND	1.0	**		
2,2-Dichloropropane	ND	1.0	11		
1,1-Dichloropropene	ND	1.0	11		
cis-1,3-Dichloropropene	ND	1.0	u		
trans-1,3-Dichloropropene	ND	1.0	н		
Ethylbenzene Ethylbenzene	ND	1.0	h		
Hexachlorobutadiene	ND	1.0	. 11	•	



32470 Paseo Adelanto

Project: NA

Project Number: Wells Quarterly

Reported: 01/03/08 09:44

San Juan Capistrano CA, 92675

# Project Manager: Pierre Dreher Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC_	%REC Limits	RPD	RPD Limit	Notes
Batch B7L1815 - EPA 5030B P & T										
Blank (B7L1815-BLK1)				Prepared 4	& Analyze	d: 12/1 <u>8/</u>	07		•	
Isopropylbenzene	ND	1.0	μg/L							
p-Isopropyltoluene	ND	1.0	tt							
Methylene chloride	ND	1.0	#1							
Methyl tert-butyl ether	ND	1.0	"							
Naphthalene	ND	1.0	Ħ							
n-Propylbenzene	ND	1.0	11							
Styrene	ND	1.0	н							
1,1,1,2-Tetrachloroethane	ND	1.0	11							
1,1,2,2-Tetrachloroethane	ND	1.0	Ħ			•				
Tetrachloroethene	ND	1.0								
Toluene	ND	1.0	n							
1,2,3-Trichlorobenzene	ND	1.0	. #							
1,2,4-Trichlorobenzene	ND	1.0	II .							
1,1,1-Trichloroethane	ND	1.0	n							
1,1,2-Trichloroethane	ND	1.0	n							
Trichloroethene	ND	.1.0	11							
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	1.0	n							
1,2,4-Trimethylbenzene	ND	1.0	"						•	
1,3,5-Trimethylbenzene	ND	1.0	n					* .		
Vinyl chloride	ND	1.0	u	•						
m,p-Xylene	ND	1.0	11							
o-Xylene	ND	1.0	"							
Surrogate: Dibromofluoromethane	51.0		"	50.0		102	86-118			
Surrogate: Toluene-d8	<i>52.2</i>		"	50.0		104	88-110			
Surrogate: 4-Bromofluorobenzene	53.1		"	50.0		106	86-115			
Blank (B7L1815-BLK2)				Prepared &	& Analyze	d: 12/18/	07			
Benzene	ND	1.0	μg/L		•					
Bromobenzene	ND	1.0	11	•			•			
Bromochloromethane	ND	1.0	"				•		•	
Bromodichloromethane	ND	1.0	n							
Bromoform	ND	1.0	11						*	
Bromomethane	ND	1.0	" .							
n-Butylbenzene	ND	1.0	u							
sec-Butylbenzene	ND	1.0	11							
tert-Butylbenzene	ND	1.0	"							



1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Sierra Analytical Labs, Inc.

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

Blank (B7L1815-BLK2)				Pre	pared &	& Ana	lyzed:	12/18	/07			
Carbon tetrachloride	ND	1.0	μg/L									
Chlorobenzene	ND	1.0										
Chloroethane	ND	1.0										
Chloroform	ND	1.0										
Chloromethane	ND	1.0	19									
2-Chlorotoluene	ND	1.0	**						•			
4-Chlorotoluene	ND	1.0	**									
Dibromochloromethane	ND	1.0	**		•							
1,2-Dibromo-3-chloropropane	ND	5.0	•									
1,2-Dibromoethane (EDB)	ND	1.0	11									
Dibromomethane	ND	1.0	II									
1,2-Dichlorobenzene	ND	1.0	11									
1,3-Dichlorobenzene	ND	1.0	11									
1,4-Dichlorobenzene	ND	1.0	11									
Dichlorodifluoromethane	ND	1.0	11									
1,1-Dichloroethane	ND	1.0	n									• •
1,2-Dichloroethane	ND	1.0	11									
1,1-Dichloroethene	ND	1.0	**									
cis-1,2-Dichloroethene	ND .	1.0	11									
trans-1,2-Dichloroethene	ND	1.0	Ħ									
1,2-Dichloropropane	ND	1.0	n							•		
1,3-Dichloropropane	ND	1.0	н									
2,2-Dichloropropane	. ND	1.0	'n.									
1,1-Dichloropropene	ND	1.0	н									
cis-1,3-Dichloropropene	ND	1.0	II									
trans-1,3-Dichloropropene	ND	1.0	н			•						
Ethylbenzene	ND	1.0	n							•		
Hexachlorobutadiene	ND	1.0	11						,			
Isopropylbenzene	ND	1.0	II									·
p-Isopropyltoluene	ND	1.0	II									
Methylene chloride	ND	1.0	II									
Methyl tert-butyl ether	ND	1.0	n									
Naphthalene	ND	1.0	п									
n-Propylbenzene	ND	1.0	II									
Styrene	ND	1.0	. п									

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.

1.0

1.0

ND

ND



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported: 01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7L1815 - EPA 5030B P &	T									
Blank (B7L1815-BLK2)				Prepared &	& Analyze	ed: 12/18/	07			
Tetrachloroethene	ND	1.0	μg/L							
Toluene	ND	1.0	II						`	
1,2,3-Trichlorobenzene	ND	1.0	"	·						
1,2,4-Trichlorobenzene	ND	1.0	н							
1,1,1-Trichloroethane	ND	1.0	н							
1,1,2-Trichloroethane	ND	1.0	Ħ							
Trichloroethene	ND	1.0	11							
Trichlorofluoromethane	ND	1.0	U							
1,2,3-Trichloropropane	ND	1.0	.п							
1,2,4-Trimethylbenzene	ND	1.0	ıı							
1,3,5-Trimethylbenzene	ND	1.0	п							
Vinyl chloride	ND	1.0	n				•			
m,p-Xylene	.ND	1.0	н							
o-Xylene	ND	1.0	Ħ		•					
Surrogate: Dibromofluoromethane	. 53.2		"	50.0		106	86-118			
Surrogate: Toluene-d8	52.3	•	"	50.0		105	88-110			
Surrogate: 4-Bromofluorobenzene	52.1		"	50.0		104	86-115			
LCS (B7L1815-BS1)				Prepared &	& Analyze	ed: 12/18/	07			
Benzene	48.8	1.0	μg/L	50.0		97.6	80-120			
Chlorobenzene	44.5	1.0	"	50.0		89.0	80-120			
1,1-Dichloroethene	45.0	1.0	"	50.0		90.0	80-120			
Toluene	42.0	1.0	"	50.0		84.0	80-120			
Trichloroethene	45.3	1.0	"	50.0	•	90.6	80-120			
LCS (B7L1815-BS2)				Prepared &	& Analyze	ed: 12/18/0	07			
Benzene	54.4	1.0	μg/L	50.0		109	80-120			
Chlorobenzene	54.2	1.0	n .	50.0		108	80-120			
1,1-Dichloroethene	51.6	1.0		50.0		103	80-120			
Toluene	50.4	1.0	n	50.0		101	80-120			
Trichloroethene	60.0	1.0	u .	50.0		120	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.



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

Project Number: Wells Quarterly

Project Manager: Pierre Dreher

Reported:

01/03/08 09:44

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

# Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7L1815 - EPA 5030B P & T										
Matrix Spike (B7L1815-MS1)	Sou	ırce: 071223	8-01	Prepared a	& Analyze	ed: 12/18/0	07			
Benzene	. 41.0	1.0	μg/L	50.0	ND	82.0	37-151			
Chlorobenzene	46.9	1.0	11	50.0	ND	93.8	37-160			
1,1-Dichloroethene	43.3	1.0	"	50.0	ND	86.6	50-150			
Toluene	43.3	. 1.0	11	50.0	ND	86.6	47-150			
Trichloroethene	56.6	1.0	**	50.0	ND	113	71-157			
Matrix Spike (B7L1815-MS2)	Sou	rce: 071230	6-01	Prepared a	& Analyze	ed: 12/18/0	07			
Benzene	45.6	1.0	μg/L	50.0	ND	91.2	37-151			
Chlorobenzene	51:3	1.0	. "	50.0	ND	103	37-160			
1,1-Dichloroethene	49.2	1.0		50.0	ND	98.4	50-150	•		
Toluene	47.7	1.0	"	50.0	ND	95.4	47-150			
Trichloroethene	60.0	1.0	"	50.0	ND	120	71-157			
Matrix Spike Dup (B7L1815-MSD1)	Sou	rce: 071223	8-01	Prepared a	& Analyze	ed: 12/18/0	07			
Benzene	42.5	1.0	μg/L	50.0	ND	85.0	37-151	3.59	30	****
Chlorobenzene	48.3	1.0	11	50.0	ND	96.6	37-160	2.94	30	
1,1-Dichloroethene	45.3	1.0	u	50.0	ND	90.6	50-150	4.51	30	
Toluene	45.4	1.0	11	50.0	ND	90.8	47-150	4.74	30	
Trichloroethene	55.4	1.0	II	50.0	ND	111	71-157	2.14	30	
Matrix Spike Dup (B7L1815-MSD2)	Sou	rce: 071230	5-01	Prepared a	& Analyze	ed: 12/18/0	07			
Benzene	44.2	1.0	μg/L	50.0	ND	88.4	37-151	3.12	30	•
Chlorobenzene	49.3	1.0	11	50.0	ND	98.6	37-160	3.98	30	
1,1-Dichloroethene	47.7	1.0	n	50.0	ND	95.4	50-150	3.10	30	
Toluene	46.7	1.0	11	50.0	ND	93.4	47-150	2.12	30	
Trichloroethene	60.5	1.0	**	50.0	ND	121	71-157	0.830	30	



32470 Paseo Adelanto

Project: NA

Project Number: Wells Quarterly

.

Reported:

San Juan Capistrano CA, 92675

Project Manager: Pierre Dreher

01/03/08 09:44

#### **Notes and Definitions**

\_A Absent

\_LI +0.46

\_LIa +0.58

\_LIb +0.69

\_LIc +0.81

\_ND<1 <

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD

dry Sample results reported on a dry weight basis

Relative Percent Difference



ECO Resources Inc.

Project: NA

32470 Paseo Adelanto

Project Number: Wells Quarterly

San Juan Capistrano CA, 92675

Project Manager: Pierre Dreher

10/04/07 11:15

#### **Notes and Definitions**

_A	Absent
_LI	+0.31
_LIa	+0.39
_LIb	+0.40
_LIc	+0.49
_ND<1	<1
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS
	recovery.
DET	Analyte DETECTED
DET ND	
	Analyte DETECTED
ND	Analyte DETECTED  Analyte NOT DETECTED at or above the reporting limit

	·			
	•			
			•	



Capistrano Valley Water District

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: Dance Hall Project Manager: Eric Bauman Reported:

01/03/08 15:37

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dance Hall Well 1	0801016-01	Water	01/02/08 10:30	01/02/08 13:47
Dance Hall Well 2	0801016-02	Water	01/02/08 10:30	01/02/08 13:47

#### 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.

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



Capistrano Valley Water District

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: Dance Hall Project Manager: Eric Bauman Reported: 01/03/08 15:37

#### Fuel Oxygenates by EPA 8260B

Analyte	Result :	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L	Sampled: 01/0	2/08 10:30	Received:	01/02/08	13:47				
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8A0317	01/03/08	01/03/08 14:42	EPA 8260B	
Di-isopropyl ether	ND	1.0	Ħ	п	11	11	**	<b>"</b> .	
Ethyl tert-butyl ether	ND	1.0	u	11	11	11	n	n	
Tert-amyl methyl ether	ND	1.0	n	Ħ	u	**	n	II	
Tert-butyl alcohol	ND	5.0	Ħ	н	11	H	, "	11	
Surrogate: Dibromofluoromethane		100 %	86-11	8	. "	"	. "	"	
Surrogate: Toluene-d8	•	104 %	88-11	0	u	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	86-11	5	n	"	rr .	n .	
Dance Hall Well 2 (0801016-02) Water	Sampled: 01/0	2/08 10:30	Received: (	01/02/08	13:47			•	
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8A0317	01/03/08	01/03/08 14:42	EPA 8260B	
Di-isopropyl ether	ND	1.0	ш	. 11	. "	. "	Ħ	,	
Ethyl tert-butyl ether	ND	1.0	II .	II .	n	11	u	11	
Tert-amyl methyl ether	ND	1.0	Ħ	н	u	II	n	."	
Tert-butyl alcohol	ND	5.0		11	"	II .	n	II.	
Surrogate: Dibromofluoromethane		101 %	86-11	8	"	"	"	"	
Surrogate: Toluene-d8		105 %	88-11	0	n	"	**	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	86-11	5 .	<i>"</i> .	"	"	. "	



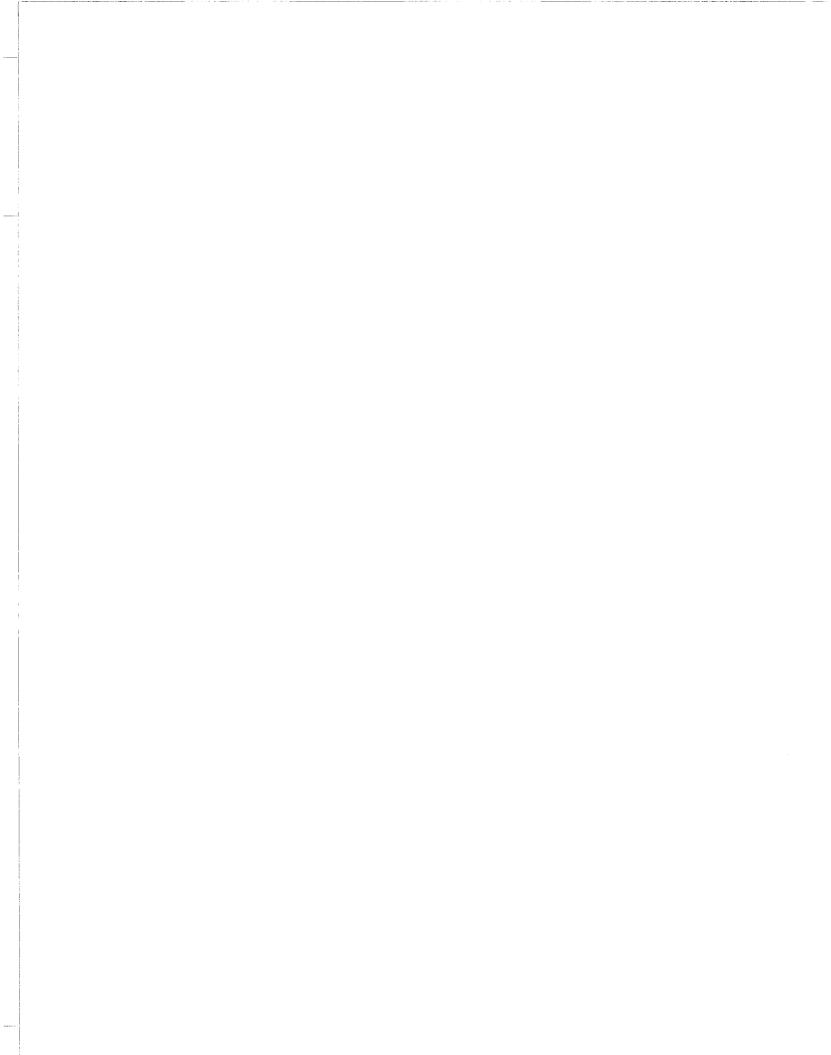
Capistrano Valley Water District 32450 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Dance Hall Well

Project Number: Dance Hall
Project Manager: Eric Bauman

Reported: 01/03/08 15:37

#### Fuel Oxygenates by EPA 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8A0317 - EPA 5030B P & T										
Blank (B8A0317-BLK1)				Prepared	& Analyze	ed: 01/03/	08			
Methyl tert-butyl ether	ND	1.0	μg/L							
Di-isopropyl ether	ND	1.0	11							
Ethyl tert-butyl ether	ND ·	1.0	11							
Tert-amyl methyl ether	ND.	1.0	, II							
Tert-butyl alcohol	ND	5.0	u							
Surrogate: Dibromofluoromethane	50.3		"	50.0		101	86-118			
Surrogate: Toluene-d8	49.5		"	50.0		99.0	88-110			
Surrogate: 4-Bromofluorobenzene	54.5		. "	50.0		109	86-115			
LCS (B8A0317-BS1)				Prepared of	& Analyze	ed: 01/03/	08			
Methyl tert-butyl ether	44.2	. 1.0	μg/L	50.0		88.4	80-120			
Matrix Spike (B8A0317-MS1)	Sou	rce: 0801010	6-01	Prepared	& Analyze	ed: 01/03/	08			
Methyl tert-butyl ether	39,6	1.0	μg/L	50.0	ND	79.2	37-160			
Matrix Spike Dup (B8A0317-MSD1)	Source: 0801016-01			Prepared	& Analyze	ed: 01/03/	08			
Methyl tert-butyl ether	36.5	1.0	μg/L	50.0	ND	73.0	37-160	8.15	30	





32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: Dance Hall
Project Manager: Eric Bauman

Reported: 01/10/08 16:27

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dance Hall Well 1	0801205-01	Water	01/09/08 10:00	01/09/08 10:25
Dance Hall Well 2	0801205-02	Water	01/09/08 10:00	01/09/08 10:25

#### **CASE NARRATIVE**

SAMPLE RECEIPT: Samples were received

Samples were received intact, at 4  $\,^{\circ}\text{C},$  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.



Capistrano Valley Water District 32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: Dance Hall Project Manager: Eric Bauman Reported: 01/10/08 16:27

### Fuel Oxygenates by EPA 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall Well 1 (0801205-01) Water	Sampled: 01/0	9/08 10:00	Received	01/09/08	10:25				
Methyl tert-butyl ether	1.2	1.0	μg/L	I	B8A1033	01/10/08	01/10/08 15:0	6 EPA 8260B	
Di-isopropyl ether	ND	1.0	н	11	n	**		n	
Ethyl tert-butyl ether	ND	1.0	11	n	n	11	. u	п	
Tert-amyl methyl ether	ND	1.0	"	17	11	."	n	**	
Tert-butyl alcohol	ND	5.0	n .	11	"	lt .	11		
Surrogate: Dibromofluoromethane		93.6 %	86-	118	· n	"	"	"	
Surrogate: Toluene-d8		94.0 %	88-	110	n	"	<b>"</b>	. <b>"</b>	
Surrogate: 4-Bromofluorobenzene		88.0 %	86-	115	"	"	"	. <b>"</b>	
Dance Hall Well 2 (0801205-02) Water	Sampled: 01/0	9/08 10:00	Received	01/09/08	10:25				
Methyl tert-butyl ether	1.2	1.0	μg/L	1	B8A1033	01/10/08	01/10/08 15:0	6 EPA 8260B	
Di-isopropyl ether	ND	1.0	u	. "	* .	"	, н	n	
Ethyl tert-butyl ether	ND	1.0	н ,	11	. "	H	u	н	
Tert-amyl methyl ether	ND	1.0	"	11		u u	n .	п .	
Tert-butyl alcohol	ND_	5.0	11	. "	D	. 11	n,	"	
Surrogate: Dibromofluoromethane		95.0 %	86-2	118	"	"	n	"	
Surrogate: Toluene-d8		94.2 %	88-	110	n.	n	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	86-	115	<i>n</i> .	"	"	n	



Capistrano Valley Water District 32450 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Dance Hall Well

Project Number: Dance Hall
Project Manager: Eric Bauman

Reported: 01/10/08 16:27

### Fuel Oxygenates by EPA 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8A1033 - EPA 5030B P & T		,								
Blank (B8A1033-BLK1)				Prepared	& Analyz	ed: 01/10/	08			
Methyl tert-butyl ether	ND	1.0	μg/L							
Di-isopropyl ether	ND	1.0	**							
Ethyl tert-butyl ether	ND	1.0	11							
Tert-amyl methyl ether	ND	1.0	n							
Tert-butyl alcohol	ND	5.0	ıı				•			
Surrogate: Dibromofluoromethane	46.6		"	50.0		93.2	86-118			
Surrogate: Toluene-d8	47.2		"	50.0		94.4	88-110			
Surrogate: 4-Bromofluorobenzene	44.3		"	50.0		88.6	86-115		,	
LCS (B8A1033-BS1)				Prepared	& Analyze	ed: 01/10/	08			
Methyl tert-butyl ether	40.8	1.0	μg/L	50.0		81.6	80-120			
Matrix Spike (B8A1033-MS1)	So	urce: 080120	5-02	Prepared	& Analyz	ed: 01/10/	08			
Methyl tert-butyl ether	40.5	1.0	μg/L	50.0	1.2	78.6	37-160			
Matrix Spike Dup (B8A1033-MSD1)	So	urce: 080120:	5-02	Prepared	& Analyze	ed: 01/10/	08			•
Methyl tert-butyl ether	42.4	1.0	μg/L	50.0	1.2	82.4	37-160	4.58	30	

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32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: MTBE Testing

Project Manager: Eric Bauman

Reported: 01/18/08 13:44

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dance Hall Well	0801377-01	Water	01/17/08 10:00	01/17/08 14:20

#### **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.



32450 Paseo Adelanto San Juan Capistrano CA, 92675 Project: Dance Hall Well

Project Number: MTBE Testing
Project Manager: Eric Bauman

Reported: 01/18/08 13:44

### Fuel Oxygenates by EPA 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall Well (0801377-01) Water	Sampled: 01/17/0	08 10:00 I	Received: 0	1/17/08 1	4:20				
Methyl tert-butyl ether	1.2	1.0	μg/L	1	B8A1810	01/18/08	01/18/08 11:2	4 EPA 8260B	
Di-isopropyl ether	ND	1.0	"	**	11	11	**	н .	
Ethyl tert-butyl ether	ND	1.0	Ħ .	11		**	n		
Tert-amyl methyl ether	ND	1.0	11	ti	11	II .	11	H	
Tert-butyl alcohol	ND	5.0	**	"		ti	**	11	
Surrogate: Dibromofluoromethane		113%	86-1	18	"	. "	n '	"	
Surrogate: Toluene-d8	•	96.0 %	88-1	10	. "	"	, "	"	
Surrogate: 4-Bromofluorobenzene		97.6%	86-1	15	"	"	"	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

· Project Number: MTBE Testing

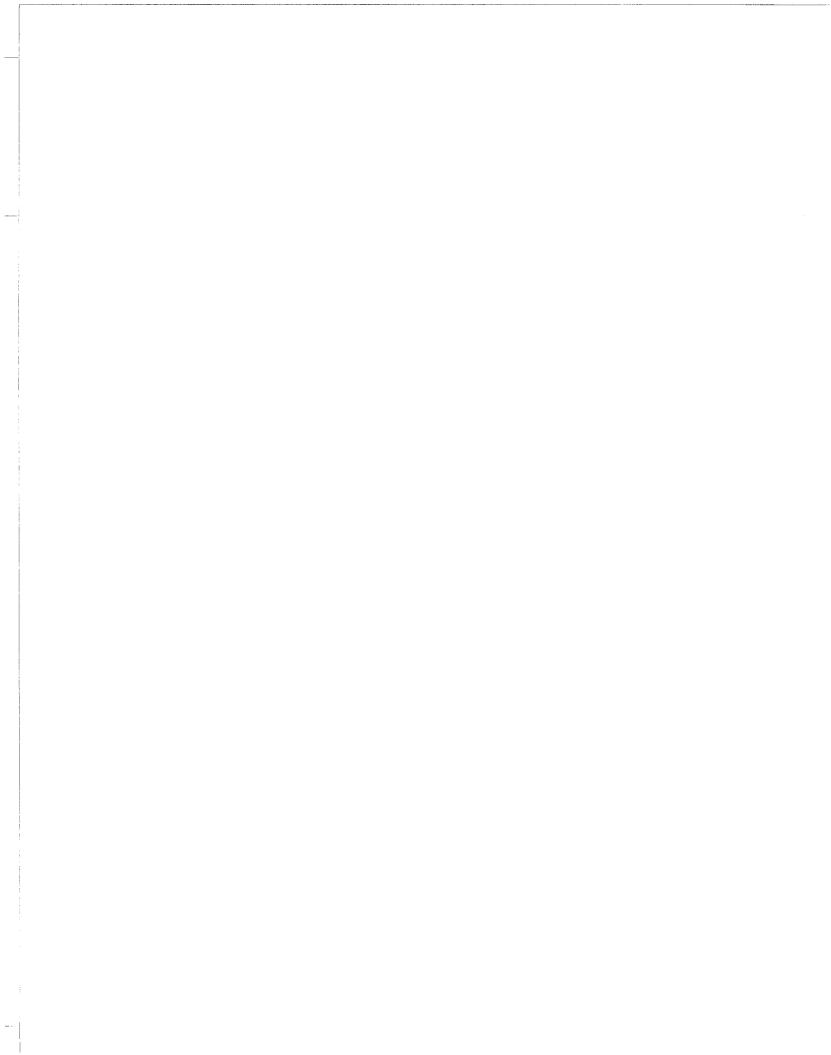
Project Manager: Eric Bauman

Reported:

01/18/08 13:44

### Fuel Oxygenates by EPA 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8A1810 - EPA 5030B P & T										
Blank (B8A1810-BLK1)				Prepared	& Analyze	ed: 01/18/	08			
Methyl tert-butyl ether	ND	1.0	μg/L							
Di-isopropyl ether	· ND	1.0	II .							
Ethyl tert-butyl ether	ND	1.0	19							
Tert-amyl methyl ether	ND	1.0	11							
Tert-butyl alcohol	ND	5.0	U	*						
Surrogate: Dibromofluoromethane	54.9		"	50.0		110	86-118			
Surrogate: Toluene-d8	47.8		"	50.0		95.6	88-110			
Surrogate: 4-Bromofluorobenzene	48.9		n	50.0		97.8	86-115			
LCS (B8A1810-BS1)				Prepared	& Analyze	ed: 01/18/0	08			
Methyl tert-butyl ether	41.8	1.0	μg/L	50.0		83.6	80-120			
Matrix Spike (B8A1810-MS1)	Sou	rce: 080137	7-01	Prepared	& Analyze	ed: 01/18/	08			
Methyl tert-butyl ether	40.1	1.0	μg/L	50.0	1.2	77.8	37-160			
Matrix Spike Dup (B8A1810-MSD1)	Sou	rce: 080137	7-01	Prepared	& Analyze	ed: 01/18/0	)8			
Methyl tert-butyl ether	45.0	1.0	μg/L	50.0	1.2	87.6	37-160	11.5	30	





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

Project Number: Quarterly Wells Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CVWD#1	0508538-01	Water	08/25/05 11:55	08/25/05 12:30
Dance Hall	0508538-02	Water	08/25/05 12:05	08/25/05 12:30
Kinoshita	0508538-03	Water	08/25/05 11:25	08/25/05 12:30
SJBA #4	0508538-04	Water .	08/25/05 11:40	08/25/05 12:30
Tirador	0508538-05	Water	08/25/05 11:15	08/25/05 12:30
SJBA #2	0508538-06	Water	08/25/05 11:50	08/25/05 12:30



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

Project Number: Quarterly Wells Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

# Microbiological Parameters by APHA Standard Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limi	=	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0508538-01) Water	Sampled: 08/25/05 11:55	Recei	ved: 08/25/05	5 12:30	•		·		
E. Coli	Absent	2.0	MPN/100 mL	l	B5I0827	08/25/05	08/25/05 12:	30 SM 9221E/F	
Fecal Coliforms	Absent	2.0	u	II .	B5H2701	II .	н	SM 9221E	
Plate Count (1 ml)	5	1	CFU/mL	"	**	и	н	SM 9215B	
Total Coliforms	Absent	2.0	MPN/100 mL	ır	11	11	II ·	SM 9221B	
Dance Hall (0508538-02) Water	Sampled: 08/25/05 12:05	Rece	ived: 08/25/0	5 12:30					
E. Coli	Absent	2.0	MPN/100 mL	1	B5I0827	08/25/05	08/25/05 12:	30 SM 9221E/F	
Fecal Coliforms	Absent	2.0	п	n	B5H2701	11	**	SM 9221E	
Plate Count (1 ml)	63	1	CFU/mL	н	II .	u	. "	SM 9215B	
Total Coliforms	Absent	2.0	MPN/100 mL	n	н	ш	α.	SM 9221B	
Kinoshita (0508538-03) Water	Sampled: 08/25/05 11:25	Receiv	red: 08/25/05	12:30					
E. Coli	Absent	2.0	MPN/100 mL	I.	B5I0827	08/25/05	08/25/05 12:	30 SM 9221E/F	
Fecal Coliforms	Absent	2.0	*	n	B5H2701	n	Ħ	SM 9221E	
Plate Count (1 ml)	51	1	CFU/mL	11	11	Ħ	11	SM 9215B	
Total Coliforms	Absent	2.0	MPN/100 mL	18	11	11	18	SM 9221B	
SJBA #4 (0508538-04) Water	Sampled: 08/25/05 11:40	Receive	d: 08/25/05 1	2:30					
E. Coli	Absent	2.0	MPN/100 mL	1	B5I0827	08/25/05	08/25/05 12:	30 SM 9221E/F	
Fecal Coliforms	Absent	2.0	11	u	B5H2701	n	n	SM 9221E	
Plate Count (1 ml)	. 24	. 1	CFU/mL	н	n	H	Ħ	SM 9215B	
Total Coliforms	Absent	2.0	MPN/100 mL	n.	Ħ	H	н	SM 9221B	
Tirador (0508538-05) Water	Sampled: 08/25/05 11:15 F	Receive	1: 08/25/05 1	2:30		٠.			
E. Coli	Absent	2.0	MPN/100 mL	1	B5I0827	08/25/05	08/25/05 12:	30 SM 9221E/F	
Fecal Coliforms	Absent	2.0	. "	11	B5H2701	11	"	SM 9221E	
Plate Count (1 ml)	` 16	1	CFU/mL	**	n .	11	*	SM 9215B	
Total Coliforms	Absent	2.0	MPN/100 mL	"	. u	11	**	SM 9221B	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA #2 (0508538-06) Water	Sampled: 08/25/05 11:50	Received	l: 08/25/05 1	2:30					
E. Coli	Absent		MPN/100 mL	1	B5I0827	08/25/05	08/25/05 12:3	0 SM 9221E/F	
Fecal Coliforms  Plate Count (1 ml)	Absent 4	2.0	" CFU/mL	,,	B5H2701	. "	11	SM 9221E SM 9215B	
Total Coliforms	Absent	2.0 1	MPN/100 mL	u	u	и	11	SM 9221B	



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

Project Number: Quarterly Wells
Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

### Conventional Chemistry Parameters by APHA/EPA Methods

# Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
	Sampled: 08/25/05 11:55	Receiv	/ed: 08/25/0	5 12:30	<del>,</del>		-	<u></u>	
Total Alkalinity	269	0.400	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	ND	0.400	11	"	и .	U	19	и	
Bicarbonate Alkalinity	269	0.400	#	11	**	"	19	11	
Hydroxide Alkalinity	ND	0.400	IT	. 11	11	"	11	tt.	
Chloride	216	0.500	н		u	II.	н	SM 4500-CI- B	
Color	1.00	1.00	Color Units	п	"	n	19	EPA 110.2	
Specific Conductance (EC)	1850	0.100	μmhos/cm	**	н	ti	u	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L		11	11	n	EPA 335.2	
Fluoride	0.510	0.0200		11	"		н	EPA 340.1	
Total Hardness	760	0.400	Ħ	**	H	п	Ħ	SM 2340	
Methylene Blue Active Substances	ND ND	0.100	**	**	Ħ	n	n	EPA 425.1	
Nitrite as N	ND	0.0200	"		я	17	n	SM4500-NO2B	
Nitrate/Nitrite as N	1.60	0.0200		n	u .	11	. "	EPA 353.3	
Odor	1.00	1.00	T.O.N.	Ħ	"	tt	n	EPA 140.1	
pH .	7.20	0.100	pH Units	н	11		n	EPA 150.1	
Sulfate as SO4	412	0.500	mg/L	н	u ·	11	II .	EPA 375.4	
Total Dissolved Solids	1330	1.00	"	n	"	н	H	EPA 160.1	
Total Suspended Solids	ND	1.00	Į•	**	**	"	"	EPA 160,2	
Turbidity	1.46	0.0200	NTU	If	. 11	H	II .	EPA 180.1	
Dance Hall (0508538-02) Water	Sampled: 08/25/05 12:05	Recei	ved: 08/25/0	5 12:30					
Total Alkalinity	377	0.400	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	ND	0.400	11	н	n	19	tt	n	
Bicarbonate Alkalinity	377	0.400	п	"	n	11	*		
Hydroxide Alkalinity	ND	0.400	н .	"	tt	II.	н	n .	
Chloride	234	0.500	"	H.		11	n	SM 4500-Cl- B	
Color	40.0	1.00	Color Units	. 11	"	11	ď	EPA 110.2	
Specific Conductance (EC)	2420	0.100	μmhos/cm		u	IF	n	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	" *	11	Ħ	u .	EPA 335.2	
Fluoride	0.600	0.0200	11	n	n		u	EPA 340.1	
Total Hardness	844	0.400	II .	11	u .	II .	n	SM 2340	
1 otal ilai aliess				lt.	ıı .	19	H	EPA 425.1	
	ND .	0.100	н					DI IX 723.1	
Methylene Blue Active Substances	ND	0.100	H	"	n	11	" (	SM4500-NO2B	
Methylene Blue Active Substances Nitrite as N	· · · · · · · · · · · · · · · · · · ·				. 11	11	n 0		
Methylene Blue Active Substances Nitrite as N Nitrate/Nitrite as N	0.0290	0.0200	H	"			•	SM4500-NO2B	
Methylene Blue Active Substances Nitrite as N Nitrate/Nitrite as N Odor	0.0290 1.33	0.0200 0.0200	H	11	. 11		n	SM4500-NO2B EPA 353.3	
Methylene Blue Active Substances Nitrite as N Nitrate/Nitrite as N Odor pH	0.0290 1.33 1.00	0.0200 0.0200 1.00	T.O.N.	11 11	tt	н	n	SM4500-NO2B EPA 353.3 EPA 140.1	
Methylene Blue Active Substances Nitrite as N Nitrate/Nitrite as N Odor pH Sulfate as SO4	0.0290 1.33 1.00 7.22	0.0200 0.0200 1.00 0.100	T.O.N. pH Units	11 11 11	п .	17 15	n	SM4500-NO2B EPA 353.3 EPA 140.1 EPA 150.1	
Methylene Blue Active Substances Nitrite as N Nitrate/Nitrite as N Odor pH Sulfate as SO4 Total Dissolved Solids Total Suspended Solids	0.0290 1.33 1.00 7.22 596	0.0200 0.0200 1.00 0.100 0.500	T.O.N. pH Units mg/L	11 11 11	11 11 11	11 11	n n n	EPA 150.1 EPA 375.4	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

### Conventional Chemistry Parameters by APHA/EPA Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita (0508538-03) Water	Sampled: 08/25/05 11:25	Receive	d: 08/25/05	12:30					
Total Alkalinity	296	0.400	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	ND	0.400		u	tt .	n	Ħ.	"	
Bicarbonate Alkalinity	296	0.400	u u	и .	u	н	"	11	
Hydroxide Alkalinity	. ND	0.400	11	· n	н	**	u	II .	
Chloride	222	0.500	II	19	H	"		SM 4500-Cl- B	
Color .	44.0		Color Units	11	IT	2.00		EPA 110.2	
Specific Conductance (EC)	2030	0.100	μmhos/cm	u	11	n .	ır	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	II	n		11	EPA 335.2	
Fluoride	0.270	0.0200	**	н .	11	"	n n	EPA 340.1	
Total Hardness	756	0.400	lt.	n .	n	11	n	SM 2340	
Methylene Blue Active Substances		0.100		11	ıı	"	n.	EPA 425.1	,
Nitrite as N	0.0250	0.0200	и .	**	12	n		SM4500-NO2B	
Nitrate/Nitrite as N		0.0200	n	II	H <sub>i</sub>	H,		EPA 353.3	
Odor	2.00	1.00	T.O.N.	н	II .	Ħ	n'	EPA 140.1	
pH	7.29	0.100	pH Units	II	n	п	11	EPA 150.1	
Sulfate as SO4	450	0.500	mg/L	**		n	II.	EPA 375.4	
Total Dissolved Solids	1420	1.00	II .	#	11	n	II .	EPA 160.1	
Total Suspended Solids	4.00	1.00			u	Ħ	11	EPA 160.2	
Turbidity	34.0	0.0200	NTU	**	н	Ħ		EPA 180.1	
SJBA #4 (0508538-04) Water S	Sampled: 08/25/05 11:40	Received	1: 08/25/05 1	12:30					
Total Alkalinity	278	0.400	mg/L	1	B5H2902		08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	ND	0.400	п	п	"	",	n	**	
Bicarbonate Alkalinity	278	0.400	11	н	Ħ	H	u	"	
Hydroxide Alkalinity	ND	0.400	Ħ	Ħ	10		11	n	
Chloride	206	0.500	II.	11	11	n	" 5	SM 4500-Cl- B	
Color	8.00		Color Units	ш	u ·	11		EPA 110.2	
Specific Conductance (EC)	1710	0.100	μmhos/cm	II .	II			EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	. "	"		u	EPA 335.2	
Fluoride	0.340	0.0200	n	Ĥ	11	. "	n	EPA 340.1	
Total Hardness	688	0.400	Ħ	11	11	· It	II .	SM 2340	
Methylene Blue Active Substances	s ND	0.100	11	u	II	11	11	EPA 425.1	
Nitrite as N	ND	0.0200	It	u	ır	u	" S	SM4500-NO2B	
Nitrate/Nitrite as N	0.900	0.0200	11	ıi	. *	н	"	EPA 353.3	
Odor	2.00	1.00	T.O.N.	н	u	н	II	EPA 140.1	
pН	7.24	0.100	pH Units	11	и	н	n	EPA 150.1	
Sulfate as SO4	350	0.500	mg/L	lt ·	*	11	u	EPA 375.4	
Total Dissolved Solids	1180	1.00	"	п	"	11	u	EPA 160.1	
Total Suspended Solids	2.00	1.00	If	u	17	n		EPA 160.2	
Turbidity	10.0	0.0200	UТИ	n	ď	н	n	EPA 180.1	



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

Project Number: Quarterly Wells Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

### Conventional Chemistry Parameters by APHA/EPA Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Tirador (0508538-05) Water	Sampled: 08/25/05 11:15	Received	: 08/25/05 1	2:30					
Total Alkalinity	292	0.400	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	ND	0.400	"	11	**		u u	. "	
Bicarbonate Alkalinity	292	0.400	"	**	**		"	H	
Hydroxide Alkalinity	ND	0.400	n	"	It	. "	n	11	
Chloride	218	0.500	II .		н .	n	n,	SM 4500-CI- B	
Color	1.00	1.00	Color Units	"	71	n	n	EPA 110.2	
Specific Conductance (EC)	2360	0.100	μmhos/cm	**	n	If	и	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L	н	п .	17	u	EPA 335.2	
Fluoride	0.620	0.0200	n	n	III	, 0	. #	EPA 340.1	
Total Hardness	596	0.400	н	"	II .	II s	n	SM 2340	
Methylene Blue Active Substance	ces ND	0.100	n .	17	11	n	н	EPA 425.1	
Nitrite as N	0.0200	0.0200	'n	u .	ш	н	ıı .	SM4500-NO2B	,
Nitrate/Nitrite as N	1.02	0.0200	. 4		11	**	n	EPA 353.3	
Odor	1.00	1.00	T.O.N.		11	**	n	EPA 140.1	
pH	7.48	0.100	pH Units	11	11	II.	**	EPA 150.1	
Sulfate as SO4	650	0.500	mg/L	, 11	ıı		ıt	EPA 375.4	
Total Dissolved Solids	1670	1.00	"	н	11	11	ıı	EPA 160.1	
Total Suspended Solids	ND	1.00	н	11	11	н	"	EPA 160.2	
Turbidity	2.55	0.0200	NTU	11	11	**	. 11	EPA 180.1	
SJBA #2 (0508538-06) Water	Sampled: 08/25/05 11:50	Received	1: 08/25/05 1	12:30		· ·			
Total Alkalinity	284	0.400	`mg/L	l	B5H2902	08/25/05	08/25/05 15:39	EPA 310.1	
Carbonate Alkalinity	· ND	0.400	ii ·	ıı	<b>"</b> .	н	tt	, <b>#</b> .	
Bicarbonate Alkalinity	284	0.400	11	n	II .	n	n .	tt.	
Hydroxide Alkalinity	ND	0.400		n	'n	**	n	. 11	
Chloride	183	0.500	n .	#	n	. "	я .	SM 4500-Cl- B	
Color	2.00	1.00	Color Units		. "	11	u u	EPA 110.2	
Specific Conductance (EC)	1780	0.100	μmhos/cm	11	. "	"	n .	EPA 120.1	
Cyanide (total)	ND	0.0200	mg/L		n	11	u	EPA 335.2	
Fluoride	0.310	0.0200	"	**	II	II.	"	EPA 340.1	
Total Hardness	652	0.400	It	н	11	10	н	SM 2340	
Methylene Blue Active Substance		0.100	II .	н	n	u	n.	EPA 425.1	
Nitrite as N	ND	0.0200	II .	11	**	ıı	" 9	SM4500-NO2B	
Nitrate/Nitrite as N	1.30	0.0200	11 .	**	"	u	n	EPA 353.3	
Odor	1.00	1.00	T.O.N.	. 4	ıı	н	n n	EPA 140.1	
pH	7.30	0.100	pH Units	11	ır	**	п	EPA 150.1	
Sulfate as SO4	400	0.500	mg/L	u		ff .	11	EPA 375.4	
Total Dissolved Solids	1350	1.00	"	n	u	11	**	EPA 160.1	
Total Suspended Solids	ND	1.00	17	н	n	11	u	EPA 160.1	
Turbidity	2.42	0.0200	NTU	н	н		н	EPA 180.1	
t ui Diulty	4.44	0.0200	1410					EFA TOU.T	



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

Project Number: Quarterly Wells Project Manager: Pierre Dreher Reported: 01/21/08 10:04

### Physical Parameters by APHA/ASTM/EPA Methods

		Reporting	Y 1: 1:	<b>D</b> 3.41	B. 1				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0508538-01) Water	Sampled: 08/25/05 11:55	Received	1: 08/25	/05 12:30					
Langlier's Index	+0.39		N/A	. 1	B5H2902	08/25/05	08/25/05 15:39	Calculation	
Dance Hall (0508538-02) Water	r Sampled: 08/25/05 12:05	Receive	d: 08/2	5/05 12:30					
Langlier's Index	+0.60		N/A	· 1	B5H2902	08/25/05	08/25/05 15:39	Calculation	
Kinoshita (0508538-03) Water	Sampled: 08/25/05 11:25	Received	: 08/25/	05 12:30					
Langlier's Index	+0.61		N/A	1	B5H2902	08/25/05	08/25/05 15:39	Calculation	
SJBA #4 (0508538-04) Water	Sampled: 08/25/05 11:40	Received:	08/25/0	5 12:30					
Langlier's Index	+0.35		N/A	1	B5H2902	08/25/05	08/25/05 15:39	Calculation	
Tirador (0508538-05) Water	Sampled: 08/25/05 11:15 R	eceived: (	)8/25/05	5 12:30					
Langlier's Index	+0.67		N/A	1	B5H2902	08/25/05	08/25/05 15:39	Calculation	
SJBA #2 (0508538-06) Water	Sampled: 08/25/05 11:50 F	Received:	08/25/0	5 12:30					
Langlier's Index	+0.43		N/A	, 1 .	B5H2902	08/25/05	08/25/05 15:39	Calculation	



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

Project: NA

Project Number: Quarterly Wells
Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

### Anions by EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0508538-01) Water	Sampled: 08/25/05 11:5	5 Received	1: 08/25/	/05 12:30					··
Nitrate as N	1.60	0.0200	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	
Dance Hall (0508538-02) Water	r Sampled: 08/25/05 12:0	05 Receive	:d: 08/25	5/05 12:30					
Nitrate as N	1.30	0.0200	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	
Kinoshita (0508538-03) Water	Sampled: 08/25/05 11:25	5 Received	1: 08/25/0	05 12:30					
Nitrate as N	1.20	0.0200	mg/L	1	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	
SJBA #4 (0508538-04) Water	Sampled: 08/25/05 11:40	Received:	08/25/05	5 12:30	•				
Nitrate as N	0.900	0.0200	mg/L	I	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	
Tirador (0508538-05) Water	Sampled: 08/25/05 11:15	Received:	08/25/05	12:30					
Nitrate as N	1.00	0.0200	mg/L	1 :	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	
SJBA #2 (0508538-06) Water	Sampled: 08/25/05 11:50	Received:	08/25/05	5 12:30					
Nitrate as N	1.30	0.0200	mg/L	- 1	B5H2902	08/25/05	08/25/05 15:39	EPA 300.0	



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

Project Number: Quarterly Wells

Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

## Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0508538-01) Water	Sampled: 08/25/05 11:5	5 Receive	d: 08/25/	05 12:30					
Hexavalent Chromium	ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 17:09	EPA 7199	
Dance Hall (0508538-02) Water	Sampled: 08/25/05 12:0	)5 Receive	ed: 08/25	/05 12:30					
Hexavalent Chromium	ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 17:48	EPA 7199	
Kinoshita (0508538-03) Water	Sampled: 08/25/05 11:25	Received	1: 08/25/0	95 12:30					
Hexavalent Chromium	ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 18:01	EPA 7199	
SJBA #4 (0508538-04) Water S	Sampled: 08/25/05 11:40	Received:	08/25/05	5 12:30					
Hexavalent Chromium	, ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 18:14	EPA 7199	
Tirador (0508538-05) Water S	ampled: 08/25/05 11:15	Received:	08/25/05	12:30					
Hexavalent Chromium	ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 18:26	EPA 7199	
SJBA #2 (0508538-06) Water S	Sampled: 08/25/05 11:50	Received:	08/25/05	5 12:30					
Hexavalent Chromium	ND	0.0030	mg/L	1	B5I0115	08/25/05	08/25/05 18:39	EPA 7199	



32470 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells
Project Manager: Pierre Dreher

Reported: 01/21/08 10:04

### Metals by EPA 200 Series Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CVWD #1 (0508538-01) Water	Sampled: 08/25/05 11:5	5 Receive	d: 08/25/	05 12:30					
Silver	ND	4.0	μg/L	2	B5H2907	- 08/29/05	08/30/05 19:22	EPA 200.8	
Aluminum	ND	4.0	н	n	11	"	u u	II .	
Arsenic	ND	4.0	**	III ,	0	. "	u	н ,	
Boron	0.19	0.066	mg/L	1	B5H3016	08/30/05	08/31/05 15:37	EPA 200.7	
Barium	59	2.0	μg/L	. 2	B5H2907	08/29/05	08/30/05 19:22	EPA 200.8	
Beryllium	ND	4.0	n	**	**	11	18	II .	
Calcium	240	0.53	mg/L	1	B5H3016	08/30/05	08/31/05 15:35	EPA 200.7	
Cadmium	ND	4.0	μg/L	2	B5H2907	08/29/05	08/30/05 19:22	EPA 200.8	
Cobalt	ND	4.0	11	н	. "	**	н	11	
Chromium	ND	10	. "	u	"	"	18	11	
Copper	ND	. 10	0		u	. "	u	u	
Iron	0.19	0.040	mg/L	ıı	II	н	, H	н	
Mercury	ND	0.00073	Ħ,	1	B5I0113	09/01/05	09/01/05 12:41	EPA 245.1	
Potassium	4.6	0.90	17	H	B5H3016	08/30/05	08/31/05 15:35	EPA 200.7	
Magnesium	50	0.41	α	**	ir	н	ti .	11	
Molybdenum	7.6	4.0	μg/L	. 2	B5H2907	08/29/05	08/30/05 19:22	EPA 200.8	
Sodium	160	0.71	mg/L	ı	B5H3016	08/30/05	08/31/05 15:35	EPA 200.7	
Nickel	12	4.0	μg/L	2	B5H2907	08/29/05	08/30/05 19:22	EPA 200.8	
Lead	ND	4.0	"	н	11	n	10	11	
Antimony	ND	4.0	11		и :	#	. "	и	
Selenium	ND	4.0	. "	ır	11	"	. 11	n	
Thallium	ND	4.0	11	n	".	"	u	"	
Vanadium	ND	4.0	n	и ·	11	n	tf.	12	
Zinc	ND	20	*	"	11	"	10	u	