

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: MTBE Testing

Project Manager: Eric Bauman

Reported:

04/18/08 16:04

Fuel Oxygenates by EPA 8260B (SIM - Selective Ion Mode)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
DHW (0804338-01) Water S	ampled: 04/17/08 08:30	Received: 04	/17/08 15:0	00					M
Methyl tert-butyl ether	1.0	0.50	μg/L	1	B8D1713	04/17/08	04/18/08 08:43	3 EPA 8260B	
Di-isopropyl ether	ND	1.0	" .	11	"	. 11	II .	n	
Ethanol	ND	50	н	" .	н	"	u u	W .	
Ethyl tert-butyl ether	ND	1.0	II .	11	11	u	n	0	
Tert-amyl methyl ether	ND	1.0	n	11	u	11	**	**	
Tert-butyl alcohol	ND.	1.0	Ħ		ıí	U	n	**	
Surrogate: Dibromofluorometha	ine	111%	86-1	18	"	"	n .	"	
Surrogate: Toluene-d8	.'	100 %	88-1	10	"	"	<i>n</i> ·	n	
Surrogate: 4-Bromofluorobenze	ne	100 %	86-1	15	"	"	'n	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: Dance Hall Well

Project Number: MTBE Testing
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Reported: 04/18/08 16:04

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
Analyte	Kesuit	- Tould	Omto .	Devel	resuit	7011150	Limis	- Kr D	Linn	Mores
Batch B8D1711 - EPA 5030B P & T						·				
Blank (B8D1711-BLK1)				Prepared	& Analyze	ed: 04/17/	08			
Trichloroethene	ND	1.0	μg/L							
Tetrachloroethene	ND	1.0	R .							
Surrogate: Dibromofluoromethane	46.9		"	50.0		93.8	86-118			
Surrogate: Toluene-d8	44.5		n	50.0		89.0	88-110			
Surrogate: 4-Bromofluorobenzene	53.2		"	50.0		106	86-115			
LCS (B8D1711-BS1)				Prepared	& Analyze	ed: 04/17/	08			
Trichloroethene	46.9	1.0	μg/L	50.0		93.8	80-120			
Chlorobenzene	44.4	1.0	11	50.0		88.8	80-120			
1,1-Dichloroethene	45.7	1.0	. "	50.0		91.4	80-120			
Matrix Spike (B8D1711-MS1)	Sou	rce: 0804338	8-01	Prepared a	& Analyze	d: 04/17/	08			
Trichloroethene	54.3	1.0	μg/L	50.0	ND	109	71-157			
Chlorobenzene	47.5	1.0	II.	50.0	ND	95.0	37-160			
1,1-Dichloroethene	45.4	1.0	11	50.0	ND	90.8	50-150			
Matrix Spike Dup (B8D1711-MSD1)	Source: 0804338-01		Prepared of	& Analyze	d: 04/17/	08	•			
Trichloroethene	47.9	1.0	μg/L	50.0	ND	95.8	71-157	12.5	30	
Chlorobenzene	44.0	1.0		50.0	ND	88.0	37-160	7.65	30	•
1,1-Dichloroethene	40.8	1.0		50.0	ND	81.6	50-150	10.7	30	



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

Project Number: MTBE Testing
Project Manager: Eric Bauman

Reported: 04/18/08 16:04

Fuel Oxygenates by EPA 8260B (SIM - Selective Ion Mode) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D1713 - EPA 5030B P & T										
Blank (B8D1713-BLK1)				Prepared:	04/17/08	Analyzed	l: 04/18/08			
Methyl tert-butyl ether	ND	0.50	μg/L							
Di-isopropyl ether	ND	1.0	н							
Ethanol	ND	50	u		,					
Ethyl tert-butyl ether	ND	1,0	17							
Tert-amyl methyl ether	ND ·	1.0	и.							
Tert-butyl alcohol	ND	1.0	"				•		•	
Surrogate: Dibromofluoromethane	50.1		"	50.0		100	86-118			
Surrogate: Toluene-d8	49.7		"	50.0		99.4	88-110			
Surrogate: 4-Bromofluorobenzene	50.0		n	50.0		100	86-115			
LCS (B8D1713-BS1)				Prepared:	04/17/08	Analyzed	: 04/18/08	•		
Methyl tert-butyl ether	42.2	0.50	μg/L	50.0		84.4	80-120			-
Matrix Spike (B8D1713-MS1)	Sou	ırce: 0804338	3-01	Prepared:	04/17/08	Analyzed	: 04/18/08			
Methyl tert-butyl ether	41.5	0.50	μg/L	50.0	1.0	81.0	37-160			
Matrix Spike Dup (B8D1713-MSD1)	Sou	ırce: 0804338	3-01	Prepared:	04/17/08	Analyzed	: 04/18/08			•
Methyl tert-butyl ether	37.2	0.50	μg/L	50.0	1.0	72.4	37-160	10.9	30	





32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Sampling

Project Manager: Eric Bauman

Reported:

09/18/08 11:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Dance Hall	0809291-01	Water	09/17/08 08:00	09/17/08 13:55

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: NA

Project Number: MTBE Sampling

Project Manager: Eric Bauman

Reported: 09/18/08 11:58

Fuel Oxygenates by EPA 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0809291-01) Water	Sampled: 09/17/08 08:00	Receive	ed: 09/17/	08 13:55					
Methyl tert-butyl ether	1.2	1.0	μg/L	· 1	B8I1709	09/17/08	09/18/08 09:4	7 EPA 8260B	
Di-isopropyl ether	ND	1.0	"	n	n	11		"	
Ethyl tert-butyl ether	ND	1.0	"	11	` "	u	11	11	
Tert-amyl methyl ether	ND	1.0	tt .	II	11	0	**	н	
Tert-butyl alcohol	ND	5.0	11	"	"		17	11	
Surrogate: Dibromofluoromethane		105 %	. 86-1	18	"	"	"	"	
Surrogate: Toluene-d8		104%	88-1	10	n	, "	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	86-1	15	"	"	n	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Sampling

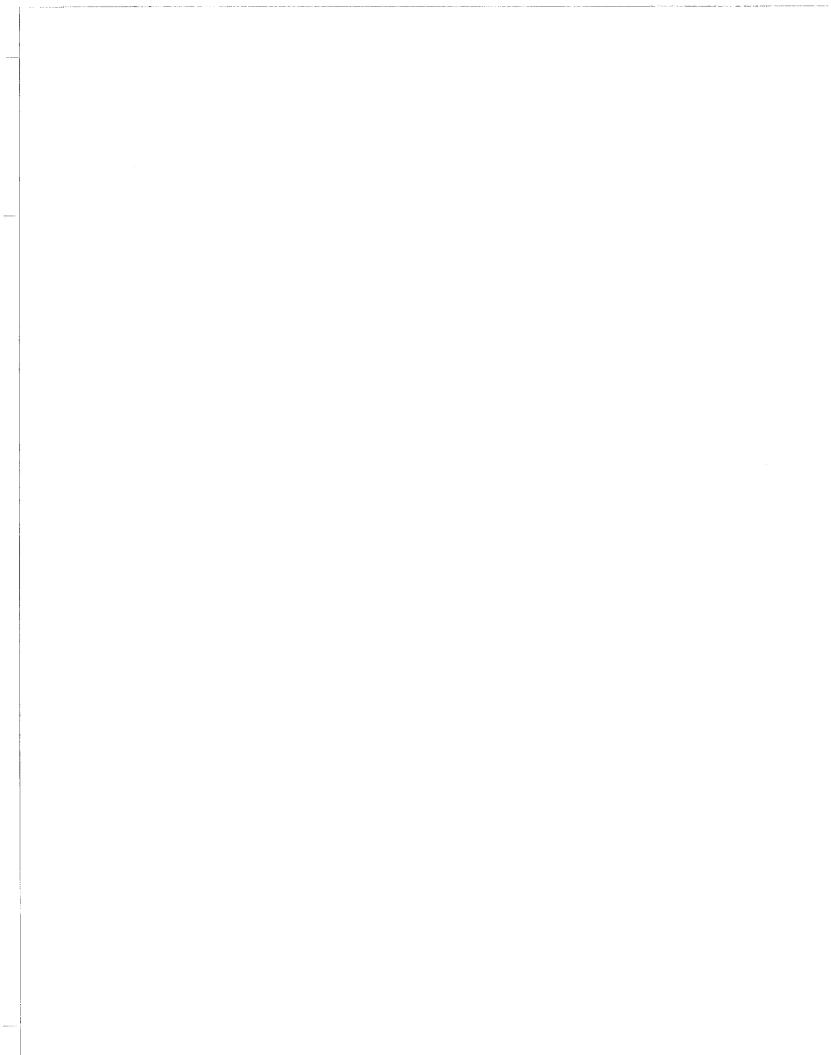
Project Manager: Eric Bauman

Reported:

09/18/08 11:58

Fuel Oxygenates by EPA 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8I1709 - EPA 5030B P & T										
Blank (B811709-BLK1)	<u> </u>			Prepared	& Analyze	ed: 09/17/	08			
Methyl tert-butyl ether	ND	1.0	μg/L							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0								
Cert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	5.0	**							
urrogate: Dibromofluoromethane	52.8		, n	50.0		106	86-118			
Surrogate: Toluene-d8	51.7		" .	50.0		103	88-110			
durrogate: 4-Bromofluorobenzene	50.7		#	50.0		101	86-115			
LCS (B8I1709-BS1)				Prepared	& Analyze	ed: 09/17/	08			•
Methyl tert-butyl ether	53.9	1.0	μg/L	50.0	•	108	80-120			
Matrix Spike (B8I1709-MS1)	Sou	rce: 080923	0-01	Prepared & Analyzed: 09/17/08						
Methyl tert-butyl ether	51.5	1.0	μg/L	50.0	ND	103	37-160			
Matrix Spike Dup (B8I1709-MSD1)	Source: 0809230-01			Prepared	& Analyze	ed: 09/17/	08			
Methyl tert-butyl ether	62.4	1.0	μg/L	50.0	ND	125	37-160	19.1	30	





32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: Eric Bauman

Reported:

11/05/08 16:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kinoshita	0810604-01	Water	10/31/08 09:15	10/31/08 14:25
Dance Hall	0810604-02	Water	10/31/08 08:00	10/31/08 14:25

CASE NARRATIVE

SAMPLE RECEIPT:

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

PRESERVATION: **HOLDING TIMES:** Samples requiring preservation were verified prior to sample preparation and analysis.

QA/QC CRITERIA:

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.



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: Eric Bauman

Reported:

11/05/08 16:50

Fuel Oxygenates by EPA 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita (0810604-01) Water	Sampled: 10/31/08 09:15	Received	: 10/31/08	14:25			-		
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8K0330	11/03/08	11/03/08 12:17	EPA 8260B	
Surrogate: Dibromofluoromethane	2	97.8 %	86-11	8	"	"	n	"	
Surrogate: Toluene-d8		110%	88-11	0	"	. "	'n	"	
Surrogate: 4-Bromofluorobenzene		106 %	86-11	5	"	. "	"	• # •	
Dance Hall (0810604-02) Water	Sampled: 10/31/08 08:00	Receive	ed: 10/31/08	14:25					
Methyl tert-butyl ether	1.5	1.0	μg/L	I	B8K0330	11/03/08	11/03/08 12:17	EPA 8260B	
Surrogate: Dibromofluoromethane	?	98.2%	86-11	8	n	"	"	"	
Surrogate: Toluene-d8		103 %	88-11	0	n	H	"	"	•
Surrogate: 4-Bromofluorobenzene	s.	97.4%	86-11	5	n	"	"	· n	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: Eric Bauman

Reported: 11/05/08 16:50

Fuel Oxygenates by EPA 8260B - Quality Control

	· .	Reporting	** *.	Spike	Source	a/DEC	%REC	222	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B8K0330 - EPA 5030B P & T										
Blank (B8K0330-BLK1)				Prepared	& Analyze	ed: 11/03/	08			٠.
Methyl tert-butyl ether	ND	1:0	μg/L							
Surrogate: Dibromofluoromethane	49.2		"	50.0		98.4	86-118			-
Surrogate: Toluene-d8	54.7		"	50.0		109	88-110			
Surrogate: 4-Bromofluorobenzene	53.6		"	50.0		107	86-115			
LCS (B8K0330-BS1)				Prepared	& Analyzo	ed: 11/03/	08			
Methyl tert-butyl ether	56.3	1.0	μg/L	50.0		113	80-120			
Matrix Spike (B8K0330-MS1)	Sou	ırce: 081060-	4-02	Prepared	& Analyz	ed: 11/03/	08			
Methyl tert-butyl ether	49.8	1.0	μg/L	50.0	1.5	96.6	37-160			
Matrix Spike Dup (B8K0330-MSD1)	Sou	ırce: 0810604	4-02	Prepared	& Analyze	ed: 11/03/	08			
Methyl tert-butyl ether	52.8	1.0	μg/L	50.0	1.5	103	37-160	5.85	30	
•										

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32450 Paseo Adelanto

Project: NA

Project Number: [none]

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

12/18/08 09:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tirador	0812290-01	Water	12/11/08 09:15	12/11/08 15:39
SJBA-4	0812290-02	Water	12/11/08 09:30	12/11/08 15:39
CVWD-1	0812290-03	Water	12/11/08 09:40	12/11/08 15:39
SJBA-2	0812290-04	Water	12/11/08 09:50	12/11/08 15:39
Kinoshita	0812290-05	Water	12/11/08 10:00	12/11/08 15:39
Dance Hall	. 0812290-06	Water	12/11/08 10:10	12/11/08 15:39

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: QA/QC CRITERIA:

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.



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: West Curry

Reported: 12/18/08 09:09

Fuel Oxygenates by EPA 8260B

Sierra Analytical Labs, Inc.

		Sici i a Ai	lary ticar	Labs, I	II.C.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tirador (0812290-01) Water	Sampled: 12/11/08 09:15	Received:	12/11/08 1	5:39					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8L1209	12/12/08	12/12/08 12::	59 EPA 8260B	
Surrogate: Dibromofluorometha	ne	103 %	86-1	18	"	"	"	"	
Surrogate: Toluene-d8		102 %	88-11	10	n	"	"	"	
Surrogate: 4-Bromofluorobenzer	ne .	100 %	86-11	15	" .	"	<i>n</i>	. "	
SJBA-4 (0812290-02) Water	Sampled: 12/11/08 09:30	Received:	12/11/08 15	5:39					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8L1209	12/12/08	12/12/08 12::	59 EPA 8260B	
Surrogate: Dibromofluorometha	ne	105 %	86-11	18	"		"	"	
Surrogate: Toluene-d8		101 %	88-11	10	"	"	"	n	
Surrogate: 4-Bromofluorobenzer	ne	102 %	86-11	15	"	"	n	n,	
CVWD-1 (0812290-03) Water	Sampled: 12/11/08 09:40	Received	: 12/11/08	15:39	·		,		
Methyl tert-butyl ether	ND	1.0	μg/L	I	B8L1209	12/12/08	12/12/08 12::	59 EPA 8260B	
Surrogate: Dibromofluorometha	ne	106 %	86-11	18	"	".	n·	"	
Surrogate: Toluene-d8		101 %	88-11	10	"	. 11	. "	"	
Surrogate: 4-Bromofluorobenzer	ne	99.0 %	86-11	15	"	"	· "	"	
SJBA-2 (0812290-04) Water	Sampled: 12/11/08 09:50	Received:	12/11/08 15	5:39				*	•
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8L1209	12/12/08	12/12/08 12:	9 EPA 8260B	
Surrogate: Dibromofluorometha	ne	110 %	86-11	18	"	"	<i>n</i> .	"	
Surrogate: Toluene-d8		102 %	88-11	10	"	"	"	. #	
Surrogate: 4-Bromofluorobenzen	ne	101 %	86-11	15	"	"	n	n	
Kinoshita (0812290-05) Water	Sampled: 12/11/08 10:00	Received	1: 12/11/08	15:39					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8L1209	12/12/08	12/12/08 12:5	9 EPA 8260B	
Surrogate: Dibromofluorometha	пе	111%	86-11	8	n	"	п	. "	
Surrogate: Toluene-d8		102 %	88-11	0	. "	"	"	n	
Surrogate: 4-Bromofluorobenzen	e	99.4 %	86-11	5	"	"	<i>n</i> .	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: West Curry

Reported:

12/18/08 09:09

Fuel Oxygenates by EPA 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0812290-06) Water	Sampled: 12/11/08 10	:10 Receive	ed: 12/11/	08 15:39					
Methyl tert-butyl ether	ND	1.0	μg/L	1	B8L1209	12/12/08	12/12/08 12:5	9 EPA 8260B	
Surrogate: Dibromofluoromethane		109 %	86-1	118	n	"	"	"	
Surrogate: Toluene-d8		101 %	88-1	110	"	n	"	"	
${\it Surrogate: 4-Bromofluor obenzene}$		98.8 %	86-1	115	"	"	"	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: West Curry

Reported:

12/18/08 09:09

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

		Jierra Al		11000, 1					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tirador (0812290-01) Water Sam	pled: 12/11/08 09:15	Received:	12/11/08	15:39					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	
Surrogate: Dibromofluoromethane		104 %	86-2	118	" "	"	"	"	
Surrogate: Toluene-d8		94.8 %	88-	110	"	H	"	· ",	
Surrogate: 4-Bromofluorobenzene		93.6 %	86-	115	"	"	"	n	
SJBA-4 (0812290-02) Water Samp	oled: 12/11/08 09:30	Received:	12/11/08 1	15:39					
Methyl tert-butyl ether	ND	0.50	μg/L	· 1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-	118	n	n	"	"	
Surrogate: Toluene-d8		95.4 %	88-1	110	n	"	. ,,	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	86-1	115	'n	"	. "	<i>n</i> .	
CVWD-1 (0812290-03) Water San	npled: 12/11/08 09:40	Received	: 12/11/08	15:39					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	·
Surrogate: Dibromofluoromethane		107%	86-1	118	. "	n	"	. "	
Surrogate: Toluene-d8	•	95.8 %	88-1	110	и ·	"	"	<i>"</i> .	
Surrogate: 4-Bromofluorobenzene		92.4 %	86-1	115	"	"	"	<i>"</i>	•
SJBA-2 (0812290-04) Water Samp	oled: 12/11/08 09:50	Received:	12/11/08 1	5:39	r				•
Methyl tert-butyl ether	· ND	0.50	μg/L	1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-1	18	"	"	"	n	
Surrogate: Toluene-d8		95.8 %	88-1	10	. #	. "	n	<i>"</i> .	
Surrogate: 4-Bromofluorobenzene		92.0 %	86- <i>1</i>	15	"	"	"	"	
Kinoshita (0812290-05) Water Sar	npled: 12/11/08 10:00	Received	l: 12/11/08	3 15:39					
Methyl tert-butyl ether	0.82	0.50	μg/L	1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-1	18	"	"	"	"	
Surrogate: Toluene-d8		95.0 %	88-1	10	n	"	"	"	
Surrogate: 4-Bromofluorobenzene	•	91.6%	86-1	15	"	"	. "	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: West Curry

Reported:

12/18/08 09:09

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Dance Hall (0812290-06) Water	Sampled: 12/11/08 10:10	Receive	ed: 12/11/0	08 15:39					
Methyl tert-butyl ether	1.3	0.50	μg/L	1	B8L1728	12/16/08	12/17/08 15:4	1 EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-1	18	"	n	. "	"	
Surrogate: Toluene-d8		95.6%	88-1	10	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	86-1	15	"	<i>n</i> .	n	. "	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: [none]

Project Manager: West Curry

Reported:

12/18/08 09:09

Fuel Oxygenates by EPA 8260B - Quality Control

		D		e-n	C		0/DEC		חחח	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8L1209 - EPA 5030B P & T										
Blank (B8L1209-BLK1)				Prepared c	& Analyze	:d: 12/12/	08			
Methyl tert-butyl ether	ND	1.0	μg/L							
Surrogate: Dibromofluoromethane	51.9		"	50.0		104	86-118			
Surrogate: Toluene-d8	50.0		· • #	50.0		100	88-110			
Surrogate: 4-Bromofluorobenzene	50.0		n	50.0		100	86-115			
LCS (B8L1209-BS1)			,	Prepared &	& Analyze	:d: 12/12/0	08			
Methyl tert-butyl ether	51.5	1.0	μg/Ļ	50.0		103	80-120			
Matrix Spike (B8L1209-MS1)	Sou	urce: 0812290)-06	Prepared a	& Analyze	d: 12/12/0	08			
Methyl tert-butyl ether	46.8	1.0	μg/L	50.0	ND	93.6	37-160			
Matrix Spike Dup (B8L1209-MSD1)	Sou	urce: 0812290)-06	Prepared &	& Analyze	d: 12/12/0	08	<u></u>	<u> </u>	
Methyl tert-butyl ether	54.5	1.0	μg/L	50.0	ND	109	37-160	15,2	30	
							•			



32450 Paseo Adelanto

Project: NA
Project Number: [none]

Reported: 12/18/08 09:09

San Juan Capistrano CA, 92675

Project Manager: West Curry

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8L1728 - EPA 5030B P & T										
Blank (B8L1728-BLK1)				Prepared:	12/16/08	Analyzed:	12/17/08			
Methyl tert-butyl ether	ND	0.50	μg/L							
Surrogate: Dibromofluoromethane	52.0		"	50.0		104	86-118			
Surrogate: Toluene-d8	47.4		. "	50.0		94.8	88-110			
Surrogate: 4-Bromofluorobenzene	46.4		"	50.0		92.8	86-115			
LCS (B8L1728-BS1)				Prepared:	12/16/08	Analyzed:	12/17/08	_		
Methyl tert-butyl ether	42.4	0.50	μg/L	50.0		84.8	80-120			
Matrix Spike (B8L1728-MS1)	Sou	rce: 0812290)-01	Prepared:	12/16/08	Analyzed:	12/17/08			
Methyl tert-butyl ether	42.2	0.50	μg/L	50.0	ND	84.4	37-160			
Matrix Spike Dup (B8L1728-MSD1)	Sou	rce: 0812290)-01	Prepared:	12/16/08	Analyzed:	12/17/08			
Methyl tert-butyl ether	41.6	0.50	μg/L	50.0	ND	83.2	37-160	1.43	30	

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Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kinoshita Well (PSCode 3010120-001)	0812098-01	Water	12/04/08 11:45	12/04/08 15:30
SJBA #2 (PSCode 3010120-002)	0812098-02	Water	12/04/08 10:40	12/04/08 15:30
SJBA #4 (PSCode 3010120-003)	0812098-03	Water	12/04/08 10:50	12/04/08 15:30
CVWD #1 (PSCode 3010120-004)	0812098-04	Water	12/04/08 10:30	12/04/08 15:30
Dance Hall (PSCode 3010120-005)	0812098-05	Water	12/04/08 12:10	12/04/08 15:30
Tirador (PSCode 3010120-006)	0812098-06	Water	12/04/08 11:00	12/04/08 15:30

CASE NARRATIVE

SAMPLE RECEIPT:

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

PRESERVATION:

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

HOLDING TIMES: QA/QC CRITERIA:

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



Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010	0120-001) (0812098-01) Wa	ter Samp	led: 12/04	/08 11:45	Received	: 12/04/08	15:30		
Nitrite as N	ND	0.0200	. mg/L	1	B8L0812	12/04/08	12/04/08 16:3	&M4500-NO2B	
Odor	1.00	1.00	T.O.N.	"	n 5	II	11	EPA 140.1	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Anions by EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-001) (08	12098-01) V	Water Sampl	ed: 12/0	4/08 11:45	Received	: 12/04/08	15:30		
Nitrate as NO3	4.90	0.100	mg/L	1	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	
SJBA #2 (PSCode 3010120-002) (0812098-	02) Water	Sampled: 12	04/08 16	:40 Recei	ved: 12/04	1/08 15:30			
Nitrate as N	4.45	0.0200	mg/L	1	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	
SJBA #4 (PSCode 3010120-003) (0812098-	03) Water	Sampled: 12	/04/08 10):50 Recei	ved: 12/04	1/08 15:30			
Nitrate as N	4.00	0.0200	mg/L	1	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	
CVWD #1 (PSCode 3010120-004) (081209	8-04) Wate	r Sampled: 1	2/04/08	10:30 Rec	eived: 12/	04/08 15:3	0		
Nitrate as N	3.56	0.0200	mg/L	1	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	
Dance Hall (PSCode 3010120-005) (081209	98-05) Wate	er Sampled:	12/04/08	12:10 Re	ceived: 12	/04/08 15:3	30		
Nitrate as N	6.23	0.0200	mg/L	I	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	
Tirador (PSCode 3010120-006) (0812098-0	6) Water	Sampled: 12/0)4/08 11	:00 Receiv	ed: 12/04/	08 15:30		÷	At
Nitrate as N	5.79	0.0200	mg/L	1	B8L0812	12/04/08	12/04/08 16:30	EPA 300.0	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010	120-001) (0812098-01) Wate	er Samp	led: 12/04	/08 11:45	Received	12/04/08	15:30		
Benzene	ND	0.500	μg/L	1	B8L0905	12/08/08	.12/08/08 11:49	EPA 524.2	
Bromobenzene	ND	0.500	**	п	"	tt.	п	Ħ	
Bromochloromethane	. ND	0.500	Ħ	II.	IT	u	Ħ	**	
Bromodichloromethane	ND	0.500	II	H	10	II .	п	n	
Bromoform	ND	0.500	n	H·	11	II 🔍	ii	u	
Bromomethane	ND	0.500	11	н .	"	11	II .	н .	
Methyl ethyl ketone	ND	5.00	Ħ	n '•	11	n	n	. "	•
n-Butylbenzene	ND	0.500	n	u	Ħ	"	ii .	H	
sec-Butylbenzene	ND	0.500	11	u	"	#	**	11	
tert-Butylbenzene	ND	0.500	. "	11	**	Ħ	**		
Carbon tetrachloride	ND	0.500	n	11	11		**	Ħ.	
Chlorobenzene	ND	0.500	11	n	11	II	* n	n	
Chloroethane	ND	0.500	"	. 11	91	ü	. "	n	
2-Chloroethylvinyl ether	. ND	1.00	"	11	11	II.	n	. #	
Chloroform	ND	0.500	**	и	H	11	n .	"	
Chloromethane .	ND	0.500	n	II	n	11	· "	n	
2-Chlorotoluene	ND ND	0.500	п	. 11	li .	n	**	и	
4-Chlorotoluene	ND	0.500	и.	**	**	**	11	n	
Dibromochloromethane	ND	0.500	"	"	11		11	n	
Dibromomethane	ND	0.500	"	Ħ	n	n	u u	11	
1,2-Dichlorobenzene	ND	0.500	n	**	11			n	
1,3-Dichlorobenzene	ND	0.500	**		n	. "		11	
1,4-Dichlorobenzene	ND	0.500	11		n	11		11	
Dichlorodifluoromethane	ND	0.500		11		u		, n	
1,1-Dichloroethane	ND	0.500			tt.	u	,	n	
1,2-Dichloroethane	ND	0.500	u		n'	11		n	
1,1-Dichloroethene	ND	0.500	11			n .	**	n	
cis-1,2-Dichloroethene	ND ND	0.500	n	**	11	"	,,	11	
trans-1,2-Dichloroethene	ND ND		, ,	**	п	n .		"	
	ND	0.500	"	,,		n	,,	II	
1,2-Dichloropropane		0.500	,,		. "		,,	ıı	
1,3-Dichloropropane	ND	0.500	. н		"			"	
2,2-Dichloropropane	ND	0.500			n	. "		"	
1,1-Dichloropropene	ND	0.500	"		"	"		"	
cis-1,3-Dichloropropene	ND	0.500	"		,,	"		"	
trans-1,3-Dichloropropene	ND	0.500	и		"	"	n	"	
Di-isopropyl ether	ND	3.00	"	"		"	"	"	
Ethyl tert-butyl ether	ND	3.00			"		. 11		
Ethylbenzene	ND	0.500	II		11	II	"	11	
Hexachlorobutadiene	ND	0.500	n .	u f			"	11 .	
Isopropylbenzene	ND	0.500	,		n	н · '	**	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-001)	(0812098-01) Water	Sampl	ed: 12/04	/08 11:45	Received	12/04/08	15:30		
p-Isopropyltoluene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49	EPA 524.2	
Methylene chloride	ND	0.500	11	11	U	n	U	11	
Methyl isobutyl ketone	ND	5.00	**	**	n	II	11	11	
Methyl tert-butyl ether	ND	3.00	H .	11	, 11	II	·	11	
Naphthalene	ND .	0.500	H	n	It	11 .	н	n	
n-Propylbenzene	ND	0.500	Ħ	· u	II	11	Ħ		•
Styrene	ND	0.500	11	U	п	**	#		
Tert-amyl methyl ether	ND	3.00	11	n,	. 11	**	11	II .	
Tert-butyl alcohol	ND	2.00	"	ν.	11	**	u	н	
1,1,1,2-Tetrachloroethane	ND	0.500	**	Ħ	**	1 11	· u	н	
1,1,2,2-Tetrachloroethane	ND	0.500	II	#	. #	II .	n .	п	
Tetrachloroethene	ND	0.500	n .	n	u .	II		11	
Toluene	ND	0.500	н	II .	11	11	n	11	*
1,2,3-Trichlorobenzene	ND	0.500	. "	. 11	11	11	ı,	11	
1,2,4-Trichlorobenzene	ND	0.500	17	, 11	11	**	r	u	
1,1,1-Trichloroethane	ND	0.500	**	11	11	11	**	11 .	
1,1,2-Trichloroethane	ND	0.500	11	#	n	11	r	n	
Trichloroethene	ND	0.500		11	17		н .	n	
Trichlorofluoromethane	ND	5.00	u	н.	н .	11	11	n	
1,1,2-Trichlorotrifluoroethane	ND.	10.0	11	н	н	11	11	n	
1,2,3-Trichloropropane	ND	0.500	n	11	II	11	u	n	
1,2,4-Trimethylbenzene	ND	0.500	. 10	U .	11	п	n	. #	
1,3,5-Trimethylbenzene	ND	0.500	" '	n	11	n	11	11	
Vinyl chloride	ND	0.500	11	tt	н .	11	19	11	
m,p-Xylene	ND	0.500	11	"	n		11	n	
o-Xylene	ND	0.500	н	11	**	"	#	н	
Surrogate: Dibromofluoromethane		102 %	86-1	18	"	,, .	"	"	
Surrogate: Toluene-d8		105 %	88-1		"	"	n	<i>"</i> ;	
Surrogate: 4-Bromofluorobenzene		103 %	86-1		n	"	"	,,	
Dan Ogaic. T-Di Omojiaoi Obenzene		105/0	00-1	10					



Project: NA

32450 Paseo Adelanto

Project Number: Waste Water Discharge

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA #2 (PSCode 3010120-00	02) (0812098-02) Water	Sampled: 12	2/04/08 10:40	Recei	ved: 12/04	/08 15:30			
Benzene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49	EPA 524.2	
Bromobenzene	ND	0.500	II.	11	**	ш	n	IT	
Bromochloromethane	ND	0.500	н	**	n	u	11		
Bromodichloromethane	ND	0.500	II .	11	11	Ħ	n	**	
Bromoform	ND	0.500	II .	11	n n	**	11	11	
Bromomethane	ND	0.500	u .	н	п		ıı	11	
Methyl ethyl ketone	ND	5.00	ш	н	/ B	"	II.	u	
n-Butylbenzene	ND	0.500	н	н	If	11		W	
sec-Butylbenzene	ND	0.500	If	н	tr.	ıı	. "	н	
tert-Butylbenzene	ND	0.500	11	11	· #	11	,,	N	
Carbon tetrachloride	ND	0.500	и .	n	n	n	n	" .	
Chlorobenzene	ND	0.500	11	**		ır	11	#	
Chloroethane	ND	0.500	Ħ	n .	n	**	п	. "	
2-Chloroethylvinyl ether	ND	1.00	"	11	11	•	u u	n	
Chloroform	ND	0.500	n		11	n	п		
Chloromethane	ND	0.500	n	11	11	11	, "	n .	
2-Chlorotoluene	ND	0.500	"	и,	"	11	11	U	
4-Chlorotoluene	ND	0.500	н	u	н	11	11	п	
Dibromochloromethane	ND	0.500	н	-11	n	11	**	n .	
Dibromomethane	ND	0.500	п	u ·	11	ш	11	, m	
1,2-Dichlorobenzene	ND	0.500	ır	11	"	. "	11	"	
1,3-Dichlorobenzene	ND	0.500	II	17	. 11	n	· n	n	
1,4-Dichlorobenzene	ND	0.500	. n	n .	11	. 11	п	H	
Dichlorodifluoromethane	, ND	0.500		n		11	H.	п	•
1.1-Dichloroethane	ND	0.500	n	11		11		и .	
1,2-Dichloroethane	ND	0.500	11	п	u.	и.	11		
1.1-Dichloroethene	ND	0.500	u u		n	ıı	n	11	
cis-1,2-Dichloroethene	ND	0.500	ш	It	n	"	11	**	
trans-1,2-Dichloroethene	ND	0.500		**	11		11	**	
1,2-Dichloropropane	ND	0.500		**	11	. 10	It	n	
1,3-Dichloropropane	ND	0.500	**	11	ır		H	11	
2,2-Dichloropropane	ND	0.500	n	п			n	ıı	
1,1-Dichloropropene	ND ND	0.500	**		**		11	,,	
cis-1,3-Dichloropropene	ND	0.500	n.		**	ń	11		
trans-1,3-Dichloropropene	, ND	0.500	II	н	. 11	"	п	n ·	
Di-isopropyl ether	, ND	3.00	n	n	п	n			
Ethyl tert-butyl ether	ND ND	3.00	**	11	H			11	
Ethylbenzene	ND ND		,		n		. "	" H	
Hexachlorobutadiene	ND ND	0.500	,,		11	. "	"		
	ND ND	0.500	"	"	"	, ,	"	. "	
Isopropylbenzene	עאו	0.500					,,		

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



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Sierra Anaryticar Labs, inc.												
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note			
SJBA #2 (PSCode 3010120-002) (0812	098-02) Water	Sampled: 12/	04/08 10:40	Recei	ived: 12/04	/08 15:30						
p-Isopropyltoluene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49	EPA 524.2				
Methylene chloride	ND	0.500	II .		11	11	. "	**				
Methyl isobutyl ketone	ND	5.00	II .	II .	"	11	Ħ	n.				
Methyl tert-butyl ether	ND	3.00	n	n	Ħ	11	rt .	n				
Naphthalene .	ND	0.500	II .	н	n	11	Ħ	11				
n-Propylbenzene	ND	0.500	II .	u	11	11	n	n				
Styrene	ND	0.500	ш.		"	11	n	11				
Tert-amyl methyl ether	ND	3.00	U	n	и.	. 11	#	11				
Tert-butyl alcohol	ND	2.00	II	n	11	11	n	п				
1,1,1,2-Tetrachloroethane	ND	0.500	n .		1f	. 11	n	U,				
1,1,2,2-Tetrachloroethane	ND	0.500	ıi	n	It	n	Ħ	n				
Tetrachloroethene	ND	0.500	II .	n	It	ıı		u .				
Toluene	ND	0.500	U	п .	H·	11	**	н	*			
1,2,3-Trichlorobenzene	ND	0.500	u .	п	17	п .	n	н				
1,2,4-Trichlorobenzene	ND	0.500	, II -	n	n	II	11	ń				
1,1,1-Trichloroethane	ND	0.500	II		n	ш	n .	# .				
1,1,2-Trichloroethane	ND	0.500	p	. 0	n	n	n .	**				
Trichloroethene	ND	0.500			. 11	II	n	#				
Trichlorofluoromethane	ND	5.00	n .		n	ii	n					
1,1,2-Trichlorotrifluoroethane	ND	10.0	. 11	11	*	II .	, II	**				
1,2,3-Trichloropropane	ND	0.500	11	п	**	n	II .	**				
1,2,4-Trimethylbenzene	ND	0.500	II .	n	n	u	· "	17				
1,3,5-Trimethylbenzene	ND	0.500	п		11	11	II .	**				
Vinyl chloride	ND	0.500	n	н	n	. "	II .	11				
m,p-Xylene	ND	0.500	п	H	. "	"	п	n ·	•			
o-Xylene	ND	0.500	п .	н.	11	H.	п	n,				
Surrogate: Dibromofluoromethane		104 %	86-118	?	"	n	"	, ,,				
Surrogate: Toluene-d8		104 %	88-110		"	<i>"</i>	"	n				
Surrogate: 4-Bromofluorobenzene		99.4 %	86-115		. "	n	"	"				



Project: NA

32450 Paseo Adelanto

Project Number: Waste Water Discharge San Juan Capistrano CA, 92675 Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

·		Reporting	-			. 			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA #4 (PSCode 3010120-003) (0812	2098-03) Water	Sampled: 12	2/04/08 10:50) Recei	ved: 12/04	/08 15:30			
Benzene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49		
Bromobenzene	ND	0.500	**	H	11	11	Ħ	II	
Bromochloromethane	ND	0.500	. "	П	11	11	17	u	
Bromodichloromethane	ND	0.500	H	"	. "	11	Ħ	. "	
Bromoform	ND	0.500	II	II	"	".	Ħ	. "	
Bromomethane	ND	0.500	II .		"	n	. "	11	
Methyl ethyl ketone	ND	5.00	11	u	. "	n	11	n	
n-Butylbenzene	ND	0.500	"	."	"	**	17	11	
sec-Butylbenzene	ND	0.500	11	11	**	"	Ħ	#	
tert-Butylbenzene	ND	0.500	#	"	"	n	II	H	
Carbon tetrachloride	ND .	0.500	н .	19	"	#	11	n	
Chlorobenzene	ND	0.500		11	**	**	ıı	n	
Chloroethane	ND	0.500	11	"	"	"	n	u	
2-Chloroethylvinyl ether	ND	1.00	Ħ		**	"	H	11	
Chloroform	ND	0.500	Ħ	**	"	. #	н .	н	
Chloromethane	ND	0.500	n ,	17		**	It		
2-Chlorotoluene	ND	0.500	ir	11	**	n	и		
4-Chlorotoluene	ND	0.500	II .	.11	II .	11	. и	n	
Dibromochloromethane	ND	0.500	n ,	Ħ	. "	Ħ	11	11	
Dibromomethane	ND	0.500		11	n	H	н	H	
1,2-Dichlorobenzene	ND	0.500	n	17	n	*	u ,	11	
1,3-Dichlorobenzene	ND	0.500	11	11	u	. #	u ,	"	
1,4-Dichlorobenzene	ND	0.500	11	tf .	u	**	, II		
Dichlorodifluoromethane	ND	0.500	n .	11	tt	**	. 11	n	
1,1-Dichloroethane	ND	0.500	n	11	п	н	n n	n	
1,2-Dichloroethane	ND	0.500	11	11	п	н	п	11	
1,1-Dichloroethene	ND	0.500	· n	11		n	II.	n	
cis-1,2-Dichloroethene	ND	0.500	n .	u	II	er		11	
trans-1,2-Dichloroethene	ND	0.500	n	#	п	**	II.	H	
1,2-Dichloropropane	ND	0.500	"	н	"	"	11		
1,3-Dichloropropane	ND	0.500	n	u	. "	n	, <u>,</u> n	"	
2,2-Dichloropropane	ND	0.500	ti			**	II.	**	
1,1-Dichloropropene	ND	0.500	11	,,	u	. "	п	**	
cis-1,3-Dichloropropene	ND	0.500	11	"		11	u	n	
trans-1,3-Dichloropropene	ND	0.500	n ·	**	**	n		**	•
Di-isopropyl ether	ND	3.00	п ,	**	**	II.	ıı	H .	
Ethyl tert-butyl ether	ND	3.00	n .	11	"	n	ıi	11	
Ethylbenzene	ND ND	0.500	ш	**	"	11	II.	n	
Hexachlorobutadiene	ND	0.500	, n	11		ш		11	
Isopropylbenzene	ND	0.500	ш	11	11	п	ur	11	
raobrobancensens	עאו	0.500	•						



Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA #4 (PSCode 3010120-003) (08120	98-03) Water	Sampled: 12	/04/08 10:50	Recei	ived: 12/04	/08 15:30			
p-Isopropyltoluene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:4	9 EPA 524.2	
Methylene chloride	ND	0.500	11	17	н	. "	u	n	
Methyl isobutyl ketone	ND	5.00	u	**	**	n	II .	Ħ	
Methyl tert-butyl ether	ND	3.00	II	Ħ	"	11	u	Ħ	
Naphthalene	ND	0.500	11	n	. #	11	n	π	
n-Propylbenzene	ND	0.500	n	II .		**	n .	11	
Styrene	ND	0.500	n .	".	п	11	и	a ·	
Tert-amyl methyl ether	ND	3.00	n	11	11	"	11	11	
Tert-butyl alcohol	ND	2.00	n	н	n	If	n	11	
1,1,1,2-Tetrachloroethane	ND	0.500	n	Ħ	H -	Ħ	. "	11	
1,1,2,2-Tetrachloroethane	ND	0.500	н	11	11	. 11	17	u ·	
Tetrachloroethene	ND	0.500	п		It	Ħ	11	п.,	
Toluene	ND	0.500	n .	u	It	11	11	TI TI	
1,2,3-Trichlorobenzene	ND	0.500	11		ш	11	H .	11	
1,2,4-Trichlorobenzene	ND	0.500	n	и .	н	11	, 11	"	
1,1,1-Trichloroethane	ND	0.500	**	n	n	**	. 0	•	
1,1,2-Trichloroethane	ND	0.500	#	u	11	H	n	w,	
Trichloroethene	ND	0.500		n	**	n	II	**	
Trichlorofluoromethane	ND	5.00	n	n	**	. #	n	ŧŧ	
1,1,2-Trichlorotrifluoroethane	ND	10.0	u	u	n	11	, ,	. "	
1,2,3-Trichloropropane	ND	0.500		11	n	II	н		
1,2,4-Trimethylbenzene	ND	0.500	II .	u .	. 11	II	n	u	
1,3,5-Trimethylbenzene	ND	0.500	11	31	II	11	**	II .	
Vinyl chloride	ND	0.500	. "			11	"	II .	
m,p-Xylene	ND	0.500	**		u ·	11	Ħ	n	
o-Xylene	ND	0.500	н	11	ij.		· tr	11	
Surrogate: Dibromofluoromethane		105 %	86-118	?	. "	"	"	"	
Surrogate: Toluene-d8		104 %	88-110		"	"	,,	<i>n</i> ·	
Surrogate: 4-Bromofluorobenzene		102 %	86-115		<i>n</i> .	"	"	"	
suirogaie. 4-bromojiuorovenzene		102 70	00-113		•		**		



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	n Batch	Prepared	Analyzed	Method	Note
Dance Hall (PSCode 3010120-005) (0	812098-05) Water	Sampled:	12/04/08	12:10 R	Received: 12	/04/08 15:3	iQ		
Benzene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49	EPA 524.2	
Bromobenzene	ND	0.500	. "	11	н .	"	n	Ħ	
Bromochloromethane	ND	0.500	п	**	If	**	•	11	
Bromodichloromethane	ND	0.500	II .	m .	11	н	•	11	•
Bromoform	ND	0.500	и.	II II	н	u	" .	, u	
Bromomethane	ND	0.500	11		11		и	II	
Methyl ethyl ketone	ND	5.00	"	11	"	11	н	. "	
n-Butylbenzene	ND	0.500	11	11	"	n	II	11	
sec-Butylbenzene	ND	0.500	u	11	II	"	. "	. 4	
tert-Butylbenzene	ND	0.500	u	"	n	"	11	Ħ	
Carbon tetrachloride	ND	0.500	p	n	II	**	"	Ħ	
Chlorobenzene	ND	0.500	. #	11	'n	tt	. "	. н	•
Chloroethane	ND	0.500		II.	11	. "	, .	11	
2-Chloroethylvinyl ether	ND	1.00	а	11	"	D	n	п	
Chloroform	ND	0.500	II .	11	**	11	ıı .	U	
Chloromethane	ND	0.500	n	n	11	11	u	11	
2-Chlorotoluene	ND ND	0.500	17		11	11	11	n	
4-Chlorotoluene	ND	0.500	17	11	11	11	n ,	n	
Dibromochloromethane	ND	0.500	H		11	11	n	Ħ	
Dibromomethane	ND	0.500	u	11	11	11 .	11	n'	
1,2-Dichlorobenzene	ND	0.500			"	u	If	tt t	
1,3-Dichlorobenzene	ND	0.500	. 11	"	n	11	н	u	
1,4-Dichlorobenzene	ND	0.500	n	**	n	11	н	n	
Dichlorodifluoromethane	ND	0.500	# "	**	*	17	н	11	
1,1-Dichloroethane	ND	0.500	'n	17	#	11	11	11.	
1,2-Dichloroethane	ND	0.500		12	, и	и .	11 .	**	
1,1-Dichloroethene	ND	0.500		11	п .	**	. "	**	
cis-1,2-Dichloroethene	ND	0.500			n	**	#	n	
trans-1,2-Dichloroethene	ND	0.500	n		11	11	11	Ħ	
1,2-Dichloropropane	ND	0.500	11	11	"	11			
1,3-Dichloropropane	ND	0.500	n	11	"	11	u	n	
2,2-Dichloropropane	ND	0.500	**	**	n			11	
1,1-Dichloropropene	ND	0.500	11	"	n	U		11	
cis-1,3-Dichloropropene	ND	0.500	11	"	n	н .		11	
trans-1,3-Dichloropropene	ND	0.500	11	11	"	11		11	
Di-isopropyl ether	ND	3.00	u	ıı	Ħ	11	21	11	
Ethyl tert-butyl ether	ND	3.00	п	11	H	"	71	11	
Ethylbenzene	ND	0.500		н	Ħ	"	**	11	
Hexachlorobutadiene	ND	0.500	n n	п	II	**	11	11	
Isopropylbenzene	ND	0.500	n	п	11	"	Ħ	n	
rochtoh toetteerte	110	0.500							



Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (PSCode 3010120-005) (08	12098-05) Water	Sampled:	12/04/08	12:10 R	eceived: 12	/04/08 15:3	i0		
p-Isopropyltoluene	ND	0.500	μg/L	1	B8L0905	12/08/08	12/08/08 11:49	EPA 524.2	
Methylene chloride	ND	0.500	tt .	u	'u	11	11	п	
Methyl isobutyl ketone	ND	5.00	0	11	11	11	"	v	
Methyl tert-butyl ether	ND	3.00	11	"	n	11	If	"	
Naphthalene	ND	0.500	**	и		n		н	
n-Propylbenzene	ND	0.500	a	u	u	11	11	и	
Styrene	ND	0.500	11	"	n	II .	Ħ	n	
Tert-amyl methyl ether	ND	3.00	. "	17		"	n	tt.	
Tert-butyl alcohol	ND	2.00	11	-11	n	H .	11	#	
1,1,1,2-Tetrachloroethane	ND	0.500		11	u	11	11	и .	
1,1,2,2-Tetrachloroethane	ND	0.500	n.	17	11	'n	· · · · · · · · · · · · · · · · · · ·	II .	
Tetrachloroethene	ND	0.500	n	11	. 11	11	. "	"	
Toluene	ND	0.500	· u	11	п	11	п		
1,2,3-Trichlorobenzene	ND	0.500	II	Ħ	1J	11	n	**	
1,2,4-Trichlorobenzene	ND	0.500	n	H	n,	11	n	н	
1,1,1-Trichloroethane	ND	0.500	tt	п	**	"	IT	11	
1,1,2-Trichloroethane	ND	0.500	u u	n	II .	II	n :	n	
Trichloroethene	ND	0.500	**	**	n	11	n	· II	
Trichlorofluoromethane	ND	5.00	"	. 4	11	"	ır .	п	
1,1,2-Trichlorotrifluoroethane	ND	10.0	n	n	11	н	11	11	
1,2,3-Trichloropropane	ND	0.500		n	n .	· ·	11	11	
1,2,4-Trimethylbenzene	ND	0.500	"	۳.	n	11	11	17	
1,3,5-Trimethylbenzene	ND	0.500	11	11	11	11		u ·	
Vinyl chloride	ND .	0.500		n	lt	**	11 -	п	
m,p-Xylene	ND	0.500	".	n	. "	II	n ("	
o-Xylene	ND	0.500	"	11	11	11	,,	11	
Surrogate: Dibromofluoromethane		105 %	86-	118	"	"	"	"	
Surrogate: Toluene-d8		104 %	88-	_	,,	"	n·	. "	
Surrogate: 4-Bromofluorobenzene		102 %	86-		"	"	. "	u	
Sui l'Oguic. T-Di Olitojiuoi Odelizelle		102 /0	JQ~	115					



Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Sierra Analytical Labs, Inc.

		Reporting							···
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-001)	(0812098-01) V	Vater Sampl	ied: 12/04/0	3 11:45	Received	: 12/04/08	15:30		•
Methyl tert-butyl ether	ND	0.50	μg/L	1	B8L1921	12/18/08	12/18/08 09:47	EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-11	8	. "	"	n	"	
Surrogate: Toluene-d8		96.8 %	88-11)	. "	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.4 %	86-11	5	"	n	. "	n	
SJBA #2 (PSCode 3010120-002) (08120	98-02) Water	Sampled: 12	/04/08 10:40	Recei	ived: 12/04	/08 15:30			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B8L1921	12/18/08	12/18/08 09:47	EPA 8260B	
Surrogate: Dibromofluoromethane		107 %	86-11	3	"	"	"	,"	
Surrogate: Toluene-d8		97.2 %	88-11)	, n	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.2 %	86-11.	5	"	<i>H</i> ·		n	
SJBA #4 (PSCode 3010120-003) (08120	98-03) Water	Sampled: 12	/04/08 10:50	Recei	ived: 12/04	/08 15:30			
Methyl tert-butyl ether	ND	0.50	μg/L	I	B8L1921	12/18/08	12/18/08 09:47	EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	86-11	3	"	٠ ,,	".	"	
Surrogate: Toluene-d8	•	97.2 %	88-11)	n	n	n ·	"	
Surrogate: 4-Bromofluorobenzene		91.2 %	8 6-11 .	5	. "	. "	" .	"	
Dance Hall (PSCode 3010120-005) (081	2098-05) Water	r Sampled:	12/04/08 12	10 Re	ceived: 12/	/04/08 15:3	0		
Methyl tert-butyl ether	1.0	0.50	μg/L	1	B8L1921	12/18/08	12/18/08 09:47	EPA 8260B	
Surrogate: Dibromofluoromethane		110%	86-11	3	"	"	"	"	
Surrogate: Toluene-d8		97.0 %	88-11)	n	"	" .	n	
Surrogate: 4-Bromofluorobenzene		90.8 %	86-11.	5	n	"	"	"	
Tirador (PSCode 3010120-006) (081209	8-06) Water	Sampled: 12/0	04/08 11:00	Receiv	ved: 12/04/	08 15:30			. •
Methyl tert-butyl ether	, ND	0.50	μg/L	I	B8L1921	12/18/08	12/18/08 09:47	EPA 8260B	
Surrogate: Dibromofluoromethane		109 %	86-118	}	. "	"	• "	"	
Surrogate: Toluene-d8		96.4 %	88-11)	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	86-11.	5	<i>n</i> .	, "	"	. "	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8L0905 - EPA 500 Series										
Blank (B8L0905-BLK1)				Prepared	& Analyze	ed: 12/08/0	08			
Benzene	ND	0.500	μg/L	<u> </u>	<u>-</u>					
Bromobenzene	,ND	0.500	11							
Bromochloromethane	ND .	0.500	11							
Bromodichloromethane	ND	0.500	n							
Bromoform	ND	0.500	Ħ							
Bromomethane	ND	0.500	**							
Methyl ethyl ketone	ND	5.00	n							
n-Butylbenzene	ND	0.500	ï							
sec-Butylbenzene	ND	0.500	n							
tert-Butylbenzene	ND	0.500	11							
Carbon tetrachloride	ND	0.500	н							
Chlorobenzene	ND	0.500	n n							
Chloroethane	ND	0.500	n							
2-Chloroethylvinyl ether	ND	1.00	n							
Chloroform	ND	0.500	Ħ							
Chloromethane	ND	0.500	и .							
2-Chlorotoluene	ND	0.500	u							
4-Chlorotoluene	ND	0.500	H .							
Dibromochloromethane	ND	0.500	II .							
Dibromomethane	ND	0.500	n							
1,2-Dichlorobenzene	ND	0.500	11							
1,3-Dichlorobenzene	ND	0.500	u							
1,4-Dichlorobenzene	ND	0.500	#	•						
Dichlorodifluoromethane	ND.	0.500	*							
1,1-Dichloroethane	ND	0.500	"							
1,2-Dichloroethane	ND	0.500	**							
1,1-Dichloroethene	ND	0.500	11					•		
cis-1,2-Dichloroethene	ND	0.500	"							
trans-1,2-Dichloroethene	ND	0.500	11							
1,2-Dichloropropane	ND	0.500	n							*
1,3-Dichloropropane	ND	0.500	**							
2,2-Dichloropropane	ND	0.500	u							
1,1-Dichloropropene	ND	0.500	Ħ		•					
cis-1,3-Dichloropropene	ND	0.500	**							
trans-1,3-Dichloropropene	ND	0.500	**							
Di-isopropyl ether	ND	3.00	n				•			
Ethyl tert-butyl ether	ND	3.00	11							



Project: NA

32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Batch B8L0905 - EPA 500 Series Blank (B8L0905-BLK1)								 Limit	
Blank (B8L0905-BLK1)									
				Prepared &	& Analyze	d: 12/08/0)8	 	
Ethylbenzene	ND	0.500	μg/L						
Hexachlorobutadiene	ND	0.500	11						
Isopropylbenzene	ND	0.500	,u						
p-Isopropyltoluene	ND	0.500	**						
Methylene chloride	ND	0.500	**						•
Methyl isobutyl ketone	ND	5.00	**	•					
Methyl tert-butyl ether	ND	3.00							
Naphthalene	ND	0.500	" .						
n-Propylbenzene	ND	0.500	п			-		•	
Styrene	ND	0.500	. "						
Tert-amyl methyl ether	ND	3.00	"				*		
Tert-butyl alcohol	ND	2.00	**						
1,1,1,2-Tetrachloroethane	ND	0.500	**						
1,1,2,2-Tetrachloroethane	ND	0.500	"						
Tetrachloroethene	ND	0.500	**						
Toluene	ND	0.500							
1,2,3-Trichlorobenzene	ND	0.500			•				
1,2,4-Trichlorobenzene	ND	0.500	It						
1,1,1-Trichloroethane	ND	0.500	"				•		
1,1,2-Trichloroethane	ND	0.500						•	
Trichloroethene	ND	0.500	11						
Trichlorofluoromethane	ND	5.00	n						
1,1,2-Trichlorotrifluoroethane	ND	10.0	n						
1,2,3-Trichloropropane	ND	0.500	#						
1,2,4-Trimethylbenzene	ND	0.500	#	•					
1,3,5-Trimethylbenzene	ND	0.500	11	. *		•			
Vinyl chloride	ND	0.500	11					•	
m,p-Xylene	ND	0.500	n						
o-Xylene	ND	0.500	11				-		
Surrogate: Dibromofluoromethane	53.3		"	50.0		107	86-118		
Surrogate: Toluene-d8	52.6		n	50.0		105	88-110		
Surrogate: 4-Bromofluorobenzene	51.3		<i>n</i> .	50.0		103	86-115		



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported: 12/22/08 15:27

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8L0905 - EPA 500 Series		•				•				
LCS (B8L0905-BS1)		-		Prepared	& Analyza	ed: 12/08/	08			
Benzene	25.4	0.500	μg/L	25.0		102	80-120			
Chlorobenzene	25.4	0.500	II .	25.0		102	80-120			
1,1-Dichloroethene	23.3	0.500	. "	25.0		93.2	80-120			
Toluene	26.6	0.500	**	25.0		106	80-120			
Trichloroethene	27.7	0.500	н	25.0		111	80-120	•		
Duplicate (B8L0905-DUP1)	Sou	rce: 0812098	8-01	Prepared	& Analyze	ed: 12/08/	08			٠.
Benzene	ND	0.500	μg/L		ND				30	
Chlorobenzene	ND	0.500			ND				30	
1,1-Dichloroethene	ND	0.500	n		ND				30	
Toluene	ND	0.500	**		ND				30	
Trichloroethene	ND	0.500	Ħ		ND				30	
Matrix Spike (B8L0905-MS1)	Sou	rce: 0812098	3-01	Prepared	& Analyze	ed: 12/08/0	08			
Benzene	24.9	0.500	μg/L	25.0	ND	99.6	37-151			
Chlorobenzene	25.6	0.500	ш	25.0	ND	102	37-160			
1,1-Dichloroethene	26,2	0.500	U	25.0	ND	105	50-150			
Toluene	24.8	0.500	n n	25.0	ND	99.2	47-150			
Trichloroethene	28.0	0.500	n	25.0	ND	112	71-157			
Matrix Spike Dup (B8L0905-MSD1)	Sou	rce: 0812098	3-01	Prepared	& Analyze	ed: 12/08/0	08			
Benzene	21.3	0.500	μg/L	25.0	ND	85.2	37-151	15.6	30	
Chlorobenzene	21.3	0.500	Ħ	25.0	ND	85.2	37-160	18:3	30	
1,1-Dichloroethene	23.5	0.500	п	25.0	ND	94.0	50-150	10.9	30	
Toluene	20.8	0.500	Ħ	25.0	ND	83.2	47-150	17.5	30	
Trichloroethene	22.3	0.500	11	25.0	ND	89.2	71-157	22.7	30	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Waste Water Discharge

Project Manager: West Curry

Reported:

12/22/08 15:27

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Analyte	Result	Reporting . Limit	Units	Spike Level	Source Result	%REC	%REC. Limits	RPD	RPD Limit	Notes
Batch B8L1921 - EPA 5030B P & T					<u></u>					
Blank (B8L1921-BLK1)				Prepared:	12/19/08	Analyzed	: 12/22/08			
Methyl tert-butyl ether	ND	0.50	μg/L							
Surrogate: Dibromofluoromethane	56.4		"	50.0		113	86-118			
Surrogate: Toluene-d8	47.9	•	n	50.0		95.8	88-110			
Surrogate: 4-Bromofluorobenzene	45.2		"	50.0		90.4	86-115			
LCS (B8L1921-BS1)				Prepared:	12/19/08	Analyzed	: 12/22/08		'.	
Methyl tert-butyl ether	46.9	0.50	μg/L	50.0		93.8	80-120			
Matrix Spike (B8L1921-MS1)	Sou	arce: 0812391	1-08	Prepared:	12/19/08	Analyzed	: 12/22/08			
Methyl tert-butyl ether	36.8	0.50	μg/L	50.0	ND	73.6	37-160			
Matrix Spike Dup (B8L1921-MSD1)	Sou	arce: 0812391	1-08	Prepared:	12/19/08	Analyzed	: 12/22/08			
Methyl tert-butyl ether	39.0	0.50	μg/L	50.0	ND .	78.0	37-160	5.80	30	



Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

Report Date: Tuesday, December 23, 2008 **Received Date:** Monday, December 8, 2008

Received Time: 12:15 pm

Turnaround Time: Normal

Client: Sierra Analytical

26052 Merit Circle, Suite 105

Laguna Hills, CA 92653

Nick Forsyth

Project: 0812098

Attn:

Phone: (949) 348-9389

FAX: (949) 348-9115

P.O.#:

Certificate of Analysis

Work Order: 8120820-01 Sample ID: Kinoshita Well (PSCode3010120-001)(0812098-01)

Sampled by: Client Sampled: 12/04/08 11:45 Sample Note:

				Reporting		
Analyte	Result	Qualifier	Units	Limit	Dil	Method Prepared Analyzed Batch
Alachior	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Atrazine	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Bromacil	ND		ug/l	1.0	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Butachlor	ND		ug/l	0.20	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Chloropropham	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 ict W8L0824
Diazinon	ND	•	ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Dimethoate	ND		ug/l	0.20	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Diphenamid	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Disulfoton	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
EPTC	ND		ug/l	1.0	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Metolachlor	ND		ug/i	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Metribuzin	ND	• .	ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Molinate	ND		ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Prometon	ND		ug/i	0.20	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Prometryn	ND		ug/l	0.10	1.	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Simazine	ND	,	ug/l	0.10	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Terbacil	ND		ug/l	2.0	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Thiobencarb	ND		ug/l	0.20	1	EPA 525.2 12/15/08 12/18/08 lct W8L0824
Surrogate: 1,3-Dimethyl-2-NB	97 %			73-136		12/15/08 12/18/08 lct W8L0824
Surrogate: Perylene-d12	81 %			48-141		12/15/08 12/18/08 lct W8L0824
Surrogate: Triphenyl phosphate	111 %	•		71-150		12/15/08 12/18/08 lct W8L0824

Matrix: Water



Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8L0824 - EPA 525.2	·		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		
Blank (W8L0824-BLK1)		<u> </u>			Prepare	ed: 12/15/	08 Analy	zed: 12/	18/08
Surrogate: 1,3-Dimethyl-2-NB		4.07		ug/l	5.00	81.	73-136		
Surrogate: Perylene-d12		<i>4</i> .78		ug/i	5.00	96	48-141		
Surrogate: Triphenyl phosphate		5.69		ug/l	5.00	114	71-150		
Alachlor		ND		ug/l					
Atrazine		ND		ug/l			•		
Bromacil	•	ND		ug/l					
Butachlor		ND		ug/l					
Chloropropham		ND		ug/l					
Diazinon		ND		ug/l					
Dimethoate		ND		ug/l					
Diphenamid		ND		ug/l		•			
Disulfoton		ND		ug/l					
EPTC				_					
	~	ND		ug/i					
Metolachlor	•	ND		ug/l					
Metribuzin		ND		ug/l					
Molinate	•	ND		ug/i					
Prometon		ND		ug/l					
Prometryn	••	ND		ug/l				•	
Simazine	••	ND		ug/l					
Terbacil	••	ND		ug/l					
Thiobencarb		ND		ug/l					
LCS (W8L0824-BS1)					Prepare	ed: 12/15/	'08 Analy	zed: 12/	18/08
Surrogate: 1,3-Dimethyl-2-NB		4.38		ug/l	5.00	88	73-136		
Surrogate: Perylene-d12		5.58		ug/l	5.00	112	48-141		
Surrogate: Triphenyl phosphate		5.60		ug/l	5.00	112	71-150		
Alachlor		5.10		ug/l	5.00	102	68-141		
Atrazine		4.87		ug/i	5.00	97	70-130		
Bromacil		5.18		ug/i	5.00	104	40-139		
				T	-		60-154		
Butachlor		5.81		ug/l	5.00	116			
Chloropropham		4.76		ug/l	5.00	95	0-200		
Diazinon		6.30		ug/l	5.00	126	51-128		
Dimethoate	••	3.08		ug/l	5.00	6 2	11-180		
Diphenamid	••	5.19		ug/l	5.00	104	0-200		
Disulfoton	•	3.71		ug/l	5.00	74	0-200		
EPTC		3.94	•	ug/l	5.00	79	70-130		
Metolachlor		4.71		ug/l	5.00	94	64-149		
Metribuzin		4.98		ug/i	5.00	100	52-130		•
Molinate		4.09		ug/l	5.00	82	70-130		
_		3.29		ug/l	5.00	6 6	12-154		
Prometon		V-4-V		-5.	3.00		(
Prometon				unß	5.00	101	51-147		
Prometon Prometryn Simazine		5.06 4.51		ug/l ug/l	5.00 5.00	101 90	51-147 53-131		



Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8L0824 - EPA 525.2									
LCS (W8L0824-BS1)					Prepare	ed: 12/15/	08 Analyz	zed: 12/1	8/08
Terbacil		5.81		ug/l	5.00	116	70-130		
Thiobencarb	******	4.43		ug/i	5.00	89	70-132		
Matrix Spike (W8L0824-MS1)	·	Sour	ce: 8120401-01		Prepare	ed: 12/15/	08 Analyz	zed: 12/1	8/08
Surrogate: 1,3-Dimethyl-2-NB		3.90	•	ug/l	5.00	78	73-136		
Surrogate: Perylene-d12		4.96		ug/l	5.00	99	48-141		
Surrogate: Triphenyl phosphate		5.60		ug/l	5.00	112	71-150		
Alachlor	ND	5.16	•	ug/l	5.00	103	68-141		
Atrazine	ND	4.64	. •	ug/l	5.00	93	70-130		
Bromacil	ND	5.07		ug/l	5.00	101	40-139		
Butachlor	ND	6.23		ug/l	5.00	125	60-154		
Chloropropham	ND	4.83		ug/l	5.00	97	0-200	•	
Diazinon	ND	7.09	MS-05	ug/l	5.00	142	51-128		
Dimethoate	ND	3.63		ug/l	5.00	73	11-180		
Diphenamid	ND	5.38		ug/l	5.00	108	0-200		
Disulfoton	ND	3.82	•	ug/l	5.00	76	0-200		
EPTC	ND	4.08		ug/l	5.00	82	70-130		
Metolachior		4.91		ug/i	5.00	98	64-149	•	
Metribuzin		4.99		ug/l	5.00	100	52-130		
Molinate		4.15		ug/l	5.00	83	70-130		
Prometon		1.97		ug/l	5.00	39	12-154		
Prometryn		3.68		ug/l	5.00	74	54-147		
Simazine		4.28		ug/l	5.00	86	53-131		
Terbacil		5.37	•	ug/l	5.00	107	70-130		
Thiobencarb		4.55		ug/l	5.00	91	70-132		
Matrix Spike Dup (W8L0824-MSI	:		rce: 8120401-01			.d. 40/45		d- 10/	10/00
							/08 Analy	zea: 12/	18/08
Surrogate: 1,3-Dimethyl-2-NB		4.22		ug/l	5.00	84	73-136		
Surrogate: Perylene-d12		5.24		ug/l	5.00	105	48-141		
Surrogate: Triphenyl phosphate	ND	5.50 4.87		ug/l	5.00 5.00	110 97	<i>71-150</i> 68-141	6	20
Alachior		4.87		ug/l	5.00			6	30
Atrazine		4.79		ug/l	5.00	96 400	70-130	3	30
Bromacil		4.99		ug/l	5.00	100	40-139	2	30
Butachlor		5.68		ug/l	5.00	114	60-154	9.	30
Chloropropham	•	5.32		ug/l	5.00	106	0-200	10	200
Diazinon		6.62	MS-05	ug/l	5.00	132	51-128	7	30
Dimethoate		3.09		ug/l	5.00	62	11-180	16	30
Diphenamid		5.35		ug/l	5.00	107	0-200	0.6	200
Disulfoton		3.69		ug/l	5.00	74	0-200	3	200
EPTC		4.19		ug/i	5.00	84	70-130	3	30
Metolachior		4.57		ug/l	5.00	91	64-149	7	30
Metribuzin	ND	4.81		ug/İ	5.00	96	52-130	4	30
ab#:8120820								Pa	ge 3 of 5
14859 Fast Clark Aven	ue City of Inc	tuntar Colifo	min 01745 1206	(626) 2	36-2139	EAY /6	26) 336-26	224	

Certificate of Analysis

Weck Laboratories, Inc

Semivolatile Organic Compounds by GC/MS - Quality Control

Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
iD1)	Sour	ce: 8120401-01		Prepare	ed: 12/15/	08 Analy	zed: 12/1	18/08
ND	4.22		ug/l	5.00	84	70-130	2 .	30
ND	1.97		ug/l	5.00	39	12-154	0	30
ND	3.15		ug/l	5.00	63	54-147	16	30
ND	4.26		ug/i	5.00	85	53-131	0.5	30
ND	5.43		ug/l	5.00	109	70-130	1	30
ND	4.41	•	ug/l	5.00	88	70-132	3	30
		Result Result Sour Sour ND 4.22 ND 1.97 ND 3.15 ND 4.26 ND 5.43	Result Result Qualifier SD1) Source: 8120401-01 ND 4.22 ND 1.97 ND 3.15 ND 4.26 ND 5.43	Result Result Qualifier Units 5D1) Source: 8120401-01 ND 4.22 ug/l ND 1.97 ug/l ND 3.15 ug/l ND 4.26 ug/l ND 5.43 ug/l	Result Result Qualifier Units Level 5D1) Source: 8120401-01 Prepare ND 4.22 ug/l 5.00 ND 1.97 ug/l 5.00 ND 3.15 ug/l 5.00 ND 4.26 ug/l 5.00 ND 5.43 ug/l 5.00	Result Result Qualifier Units Level %REC 5D1) Source: 8120401-01 Prepared: 12/15/ ND 4.22 ug/l 5.00 84 ND 1.97 ug/l 5.00 39 ND 3.15 ug/l 5.00 63 ND 4.26 ug/l 5.00 85 ND 5.43 ug/l 5.00 109	Result Result Qualifier Units Level %REC Limits 5D1) Source: 8120401-01 Prepared: 12/15/08 Analys ND 4.22 ug/l 5.00 84 70-130 ND 1.97 ug/l 5.00 39 12-154 ND 3.15 ug/l 5.00 63 54-147 ND 4.26 ug/l 5.00 85 53-131 ND 5.43 ug/l 5.00 109 70-130	Result Result Qualifier Units Level %REC Limits RPD 5D1) Source: 8120401-01 Prepared: 12/15/08 Analyzed:

Notes:

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

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

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

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit

Sub = Subcontracted analysis, original report enclosed.

Dil = Dilution Factor

MDL = Method Detection Limit

MDA = Minimum Detectable Activity

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

ELAP #1132 LACSD # 10143

Contact: Kim G Tu

(Project Manager)

NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Lab#:8120820



Analytical Laboratory Services - Since 1964



Certificate of Analysis

Flags for Data Qualifiers:

MS-05 = The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.



SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Proiect #: 0812098 /

SENDING LABORATORY:		81208	320	Comments RECEIVING LABORATORY:
Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 Laboratory Contact: Nick Forsyth		Turn Around Normal Time Requested: 48 Hou		Weck Laboratories 14859 E. Clark Ave. City of Industry, CA 91745 Phone: (626) 336-2139 Fax: (626) 336-2634
Analysis	Expires	Sampled:	Laboratory ID	Comments
Sample ID: Kinoshita Well (PSCode 3010120-001) (0812098-01)	Water	12/04/08 11:45		
507-Nitrogen-Phosphorous Pesticides Containers Supplied: 1L Amber (F)	12/11/08	11:45		

Sample Seals Special Instructions: Intact Chilled TEMP (°C) Properly Labeled Preservatives - Verified By Appropriate Container Jamasmod राग हलाहारा 12:13 Date / Time Relinquished By Received By Received By Relinquished By Date / Time Date / Time Relinquished By Date / Time Received By Date / Time

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Project: NA

32450 Paseo Adelanto

Project Number: MTBE Sampling Project Manager: West Curry Reported: 01/16/09 14:47

San Juan Capistrano CA, 92675

ANALYTICAL REPORT FOR SAMPLES

	•			
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SJBA-4	0901141-01	Liquid	01/08/09 10:15	01/08/09 16:00
SJBA-2	0901141-02	Liquid	01/08/09 10:30	01/08/09 16:00
CVWD-1	0901141-03	Liquid	01/08/09 10:40	01/08/09 16:00
Kinoshita	0901141-04	Liquid	01/08/09 10:52	01/08/09 16:00
Firador	0901141-05	Liquid	01/08/09 11:15	01/08/09 16:00
Dance Hall	0901141-06	Liquid	01/08/09 13:00	01/08/09 16:00

CASE NARRATIVE

SAMPLE RECEIPT:

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

PRESERVATION: HOLDING TIMES:

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.

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: MTBE Sampling

Project Manager: West Curry

Reported: 01/16/09 14:47

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Sierra Analytical Labs, Inc.

		Sierra Ali	iaiyticai L	aus, i	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SJBA-4 (0901141-01) Liquid	Sampled: 01/08/09 10:15	Received:	01/08/09 16	:00			_		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A1218	01/12/09	01/13/09 09:01	EPA 8260B	
Surrogate: Dibromofluorometha	ne	116%	86-11	8	"	"	n	"	
Surrogate: Toluene-d8		98.2 %	88-11	0	<i>"</i>	"	"	"	
Surrogate: 4-Bromofluorobenzer	пе	91.0 %	86-11.	5	"	"	"	i,	
SJBA-2 (0901141-02) Liquid	Sampled: 01/08/09 10:30	Received:	01/08/09 16	:00					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A1218	01/12/09	01/13/09 09:01	EPA 8260B	
Surrogate: Dibromofluorometha	ne	114%	86-11	8	"	n	"	"	
Surrogate: Toluene-d8		98.6 %	88-11	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzer	1e	91.6%	86-11.	5	"	"	n	n .	
CVWD-1 (0901141-03) Liquid	Sampled: 01/08/09 10:40	0 Received	l: 01/08/09 1	6:00				•	
Methyl tert-butyl ether	ND	0.50	μg/L	I	B9A1218	01/12/09	01/13/09 09:01	EPA 8260B	
Surrogate: Dibromofluorometha	ne	114%	86-118	8	"	n	"	"	
Surrogate: Toluene-d8		98.0 %	88-11	9	"	n	· "	"	
Surrogate: 4-Bromofluorobenzen	ne .	92.0 %	86-11.	5	"	"	"	"	
Kinoshita (0901141-04) Liquid	Sampled: 01/08/09 10:5	2 Received	d: 01/08/09	16:00					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A1218	01/12/09	01/13/09 09:01	EPA 8260B	
Surrogate: Dibromofluorometha	ne .	114%	86-118	3	"	"	"	"	
Surrogate: Toluene-d8		98.0 %	88-110)	n		"	n	
Surrogate: 4-Bromofluorobenzen	ne .	91.6%	86-11.	5	"	"	"	"	
Tirador (0901141-05) Liquid	Sampled: 01/08/09 11:15	Received:	01/08/09 16	:00			•		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A1218	01/12/09	01/13/09 09:01	EPA 8260B	
Surrogate: Dibromofluorometha	ne	113%	86-118	3	"	"	"	"	.,
Surrogate: Toluene-d8		97.6%	88-110)	n	"	"	n ·	
Surrogate: 4-Bromofluorobenzen	ne	92.4 %	86-11:	5	"	"	"	"	
•									



32450 Paseo Adelanto

Project: NA

Joot. 1474

Project Number: MTBE Sampling

Reported: 01/16/09 14:47

San Juan Capistrano CA, 92675

Project Manager: West Curry

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Analyte .	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0901141-06) Liquid	Sampled: 01/08/09 13	:00 Receiv	ed: 01/08/	09 16:00					
Methyl tert-butyl ether	1.5	0.50	μg/L	1	B9A1218	01/12/09	01/13/09 09:0	EPA 8260B	
Surrogate: Dibromofluoromethane		115%	86-1	18	"	"	"	"	
Surrogate: Toluene-d8	•	98.4 %	88-1	110	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	86-1	115	. "	"	"	и .	



32450 Paseo Adelanto

Project: NA

Project Number: MTBE Sampling

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

01/16/09 14:47

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9A1218 - EPA 5030B P & T										
Blank (B9A1218-BLK1)				Prepared:	01/12/09	Analyzed	d: 01/13/09			·
Methyl tert-butyl ether	ND	0.50	μg/L							
Surrogate: Dibromofluoromethane	56.3		"	50.0		113	86-118			
Surrogate: Toluene-d8	48.7		"	50.0		97.4	88-110		•	
Surrogate: 4-Bromofluorobenzene	46.4		"	50.0		92.8	86-115			
LCS (B9A1218-BS1)				Prepared:	01/12/09	Analyzed	1: 01/13/09			
Methyl tert-butyl ether	42.0	0.50	μg/L	50.0		84.0	80-120			
Matrix Spike (B9A1218-MS1)	Sou	ırce: 0901141	1-01	Prepared:	01/12/09	Analyzed	1: 01/13/09	•		
Methyl tert-butyl ether	45.6	0.50	μg/L	50.0	ND	91.2	37-160			
Matrix Spike Dup (B9A1218-MSD1)	Sou	ırce: 0901141	1-01	Prepared:	01/12/09	Analyzed	1: 01/13/09			
Methyl tert-butyl ether	43.4	0.50	μg/L	50.0	ND	86.8	37-160	4.94	30	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Sampling-Production & Domestic V

Project Manager: West Curry

Reported: 01/27/09 15:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Open Space	0901495-01	Water	01/26/09 09:45	01/26/09 13:55
Rosenbaum	0901495-02	Water	01/26/09 10:00	01/26/09 13:55
SJBA-4	0901495-03	Water	01/20/09 13:05	01/26/09 13:55
SJBA-2	0901495-04	Water	01/26/09 10:30	01/26/09 13:55
CVWD-1	0901495-05	Water	01/26/09 10:40	01/26/09 13:55
Kinoshita	0901495-06	Water	01/26/09 10:50	01/26/09 13:55
Tirador	0901495-07	Water	01/26/09 11:00	01/26/09 13:55
Dance Hall	0901495-08	Water	01/26/09 11:10	01/26/09 13:55

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

Project: NA

Project Number: MTBE Sampling-Production & Domestic V

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

01/27/09 15:32

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

	•	Sierra Ai	iaiyucai L	aus, i	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SJBA-4 (0901495-03) Water Sa	ampled: 01/20/09 13:05	Received:	01/26/09 13:	55					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A2616	01/26/09	01/27/09 08:4	5 EPA 8260B	
- Surrogate: Dibromofluoromethane	2	114%	86-118	}	"	"	"	"	
Surrogate: Toluene-d8		95.6 %	88-110)	"	n	"	<i>n</i> .	•
Surrogate: 4-Bromofluorobenzene		91.6%	86-115	;	"	" ·	"	"	•
SJBA-2 (0901495-04) Water Sa	ampled: 01/26/09 10:30	Received:	01/26/09 13:	55					
Methyl tert-butyl ether	ND_	0.50	μg/L	1 .	B9A2616	01/26/09	01/27/09 08:4:	5 EPA 8260B	
Surrogate: Dibromofluoromethane	2 ,	112%	86-118	?	"	"	"	"	
Surrogate: Toluene-d8	•	95.2 %	88-110)	"	"	"	11	
Surrogate: 4-Bromofluorobenzene		92.4 %	86-115	i	n	"	n	"	
CVWD-1 (0901495-05) Water	Sampled: 01/26/09 10:40	0 Received	l: 01/26/09 13	3:55			·		
Methyl tert-butyl ether	ND	0.50	μg/L	,1	B9A2616	01/26/09	01/27/09 08:4:	5 EPA 8260B	
Surrogate: Dibromofluoromethane	?	112%	86-118	}	"	• "	"	. "	
Surrogate: Toluene-d8		94.6 %	88-110)	"	"	"	" .	
Surrogate: 4-Bromofluorobenzene		92.8 %	86-115	i	"	"	."	"	
Kinoshita (0901495-06) Water	Sampled: 01/26/09 10:5	0 Received	i: 01/26/09 1	3:55					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A2616	01/26/09	01/27/09 08:4:	5 EPA 8260B	
Surrogate: Dibromofluoromethane	?	114%	86-118		"	"	"	<i>"</i>	
Surrogate: Toluene-d8		95.0 %	88-110)	. "	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	86-115	Ī	"	"	<i>n</i> .	n	
Tirador (0901495-07) Water Sa	ampled: 01/26/09 11:00	Received:	01/26/09 13:	55					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9A2616	01/26/09	01/27/09 08:4:	EPA 8260B	
Surrogate: Dibromofluoromethane	? .	114%	86-118	?	"	n	"	"	
Surrogate: Toluene-d8		94.6 %	88-110)	"		n	"	
Surrogate: 4-Bromofluorobenzene		92.6 %	86-115	:	"	"	,,	"	



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

Project Number: MTBE Sampling-Production & Domestic V

Reported:

Project Manager: West Curry

01/27/09 15:32

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

			,						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (0901495-08) Water	Sampled: 01/26/09 11	:10 Receive	ed: 01/26	/09 13:55					
Methyl tert-butyl ether	1.2	0.50	μg/L	1	B9A2616	01/26/09	01/27/09 08:4	5 EPA 8260B	
Surrogate: Dibromofluoromethane		113 %	86-	118	"	"	"	и .	
Surrogate: Toluene-d8		94.6 %	88-	110	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.6 %	. 86-	115	"	**	"	и.	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Sampling-Production & Domestic V

Project Manager: West Curry

Reported: 01/27/09 15:32

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

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

Batch B9A2604 - EPA 500 Series

Blank (B9A2604-BLK1)	Prepared & Analyzed: 01/26/09								
Methyl tert-butyl ether	ND	3.00	μg/L						
Surrogate: 4-Bromofluorobenzene	53.2		"	50.0	106	86-115			
Surrogate: Toluene-d8	54.2		"	50.0	108	88-110			
Surrogate: Dibromofluoromethane	58.0	4	"	50.0	116	86-118			



Project: NA

32450 Paseo Adelanto

Project Number: MTBE Sampling-Production & Domestic V

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

01/27/09 15:32

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9A2616 - EPA 5030B P & T										. <u> </u>
Blank (B9A2616-BLK1)				Prepared:	01/26/09	Analyzed	l: 01/27/09			
Methyl tert-butyl ether	ND	0.50	μg/L							
Surrogate: Dibromofluoromethane	55.1		"	50.0		110	86-118			
Surrogate: Toluene-d8	47.I		"	50.0		94.2	88-110			
Surrogate: 4-Bromofluorobenzene	46.6		"	50.0		93.2	86-115		,	
LCS (B9A2616-BS1)				Prepared:	01/26/09	Analyzed	1: 01/27/09			
Methyl tert-butyl ether	43.3	0.50	μg/L	50.0		86.6	80-120			
Matrix Spike (B9A2616-MS1)	Sou	rce: 090149	5-03	Prepared:	01/26/09	Analyzed	l: 01/27/09			
Methyl tert-butyl ether	37.2	0.50	μg/L	50.0	ND	74.4	37-160			
Matrix Spike Dup (B9A2616-MSD1)	Sou	rce: 090149	5-03	Prepared:	01/26/09	Analyzed	: 01/27/09			
Methyl tert-butyl ether	39.1	0.50	μg/L	50.0	ND	78.2	37-160	4.98	30	

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32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Wells

Project Manager: Glenn Garrett

Reported: 02/19/09 11:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SJBA 4	0902266-01	Water	02/17/09 11:00	02/17/09 13:15
SJBA 2	0902266-02	Water	02/17/09 11:15	02/17/09 13:15
CVWD 1	0902266-03	Water	02/17/09 11:22	02/17/09 13:15
Kinoshita	0902266-04	Water	02/17/09 11:35	02/17/09 13:15
Tirador	0902266-05	Water	02/17/09 11:55	02/17/09 13:15
Dance Hall	0902266-06	Water	02/17/09 12:05	02/17/09 13:15
Hollywood NP	0902266-07	Water	02/17/09 12:20	02/17/09 13:15

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: NA

Project Number: MTBE Wells

Project Manager: Glenn Garrett

Reported:

02/19/09 11:41

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Sierra Analytical Labs, Inc.

			iaiyticai 1						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SJBA 4 (0902266-01) Water Samp	oled: 02/17/09 11:00	Received: (02/17/09 13:	15					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-11	3	"	"	n	"	
Surrogate: Toluene-d8	•	98.8 %	88-11) .	"	<i>n</i> .	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	86-11.	5	"	n	"	, <i>n</i>	
SJBA 2 (0902266-02) Water Samp	oled: 02/17/09 11:15	Received: (02/17/09 13:	15					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-11	3	. "	"	"	n	
Surrogate: Toluene-d8		100 %	88-11)	"	. "	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	86-11.	5	"	"	"	" :	
CVWD 1 (0902266-03) Water Sam	apled: 02/17/09 11:22	Received	: 02/17/09 1	3:15					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-118	3	. "	"	"	"	
Surrogate: Toluene-d8		99.4 %	88-116)	"	. #	"	"	
Surrogate: 4-Bromofluorobenzene	•	98.8 %	86-11.	5	. "	"	. "	"	
Kinoshita (0902266-04) Water Sar	npled: 02/17/09 11:35	Received	l: 02/17/09 1	3:15					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane		116%	86-118	3	"	"	"	. "	
Surrogate: Toluene-d8		100 %	88-110) .	"	n	" .	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	86-11:	5	"	"	, ,,	"	
Tirador (0902266-05) Water Samp	oled: 02/17/09 11:55	Received:	02/17/09 13:	15					
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane		116%	86-118	3	"	"	" ,	" .	
Surrogate: Toluene-d8		99.6 %	88-110)	<i>n</i>	n	"	n	
Surrogate: 4-Bromofluorobenzene		99.2 %	86-11:	5	"	"	n	n	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Wells

Project Manager: Glenn Garrett

Reported: 02/19/09 11:41

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Dance Hall (0902266-06) Water Sa	mpled: 02/17/09 12:0	5 Receive	ed: 02/17/09	13:15					
Methyl tert-butyl ether	1.3	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane	<u></u> -	117%	86-11	8	"	"	"	"	
Surrogate: Toluene-d8		99.2 %	88-11	0	n	n	"		
Surrogate: 4-Bromofluorobenzene		98.2 %	86-11	5	<i>n</i> .	n	<i>"</i>	"	
Hollywood NP (0902266-07) Water	Sampled: 02/17/09	2:20 Rec	eived: 02/1'	7/09 13:	15				
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B1807	02/18/09	02/18/09 11:51	EPA 8260B	
Surrogate: Dibromofluoromethane	····	117%	86-11	8	<i>n</i> ·	"	"	"	
Surrogate: Toluene-d8	. *	99.6 %	88-11	0	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	86-11.	5	n .	. "		"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: MTBE Wells

Project Manager: Glenn Garrett

Reported: 02/19/09 11:41

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Sierra Analytical Labs, Inc.

RPD Limit Notes		RPD	%REC Limits	%REC	Source Result	Spike Level	Units	Reporting Limit	Result	Analyte
										Batch B9B1807 - EPA 5030B P & T
			19	:d: 02/18/0	Ł Analyze	Prepared &				Blank (B9B1807-BLK1)
							μg/L	0.50	ND	Methyl tert-butyl ether
•			86-118	109	_	50.0	"		54.7	Surrogate: Dibromofluoromethane
•			88-110	98.6		50.0	"		49.3	Surrogate: Toluene-d8
			86-115	99.8		50.0	"		49.9	Surrogate: 4-Bromofluorobenzene
) <u>9</u>	d: 02/18/0	દે Analyze	Prepared &			•	LCS (B9B1807-BS1)
			80-120	99.4		50.0	μg/L	0.50	49.7	Methyl tert-butyl ether
			19	<u>d: 02/18/</u> 0	ک Analyze	Prepared &)- 01 .	rce: 0902249	Sour	Matrix Spike (B9B1807-MS1)
:			37-160	71.6	ND	50.0	μg/L	0.50	35.8	Methyl tert-butyl ether
			19	d: 02/18/0	દે Analyze	Prepared &)-01	rce: 0902249	Sour	Matrix Spike Dup (B9B1807-MSD1)
30 .	30	19.4	37-160	87.0	ND	50.0	μg/L	0.50	43.5	Methyl tert-butyl ether
_	_	19.4	37-160	87.0	ND	50.0	μg/L	0.50	43.5	Methyl tert-butyl ether



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported: 02/20/09 13:45

San Juan Capistrano CA, 92675

Project Manager: West Curry

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kinoshita Well (PSCode 3010120-001)	0902041-01	Water	02/03/09 11:00	02/03/09 16:35
SJBA #2 (PSCode 3010120-002)	0902041-02	Water	02/03/09 11:40	02/03/09 16:35
SJBA #4 (PSCode 3010120-003)	0902041-03	Water	02/03/09 10:30	02/03/09 16:35
CVWD #1 (PSCode 3010120-004)	0902041-04	Water	02/03/09 10:50	02/03/09 16:35
Dance Hall (PSCode 3010120-005)	0902041-05	Water	02/03/09 11:30	02/03/09 16:35
Tirador (PSCode 3010120-006)	0902041-06	Water	02/03/09 11:10	02/03/09 16:35
CD Final Blended (PSCode:3010120-007)	0902041-07	Water	02/03/09 10:10	02/03/09 16:35
CD RO ByPass (PSCode:3010120-009)	0902041-08	Water	02/03/09 10:11	02/03/09 16:35
CD Product Water (PSCode:3010120-010)	0902041-09	Water	02/03/09 10:14	02/03/09 16:35
CD Permeate B (PSCode 3010120-012)	0902041-10	Water	02/03/09 10:09	02/03/09 16:35
CD Raw Water (PSCode 3010120-013)	0902041-11	Water	02/03/09 10:17	02/03/09 16:35

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: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported: 02/20/09 13:45

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

			·						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita Well (PSCode 3010120-00	01) (0902041-01) Water	Samp	led: 02/03/	09 11:00	Received	: 02/03/09	16:35		
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	
SJBA #2 (PSCode 3010120-002) (09	02041-02) Water Sam	pled: 02	2/03/09 11:4	10 Recei	ived: 02/03	/09 16:35			
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1 " .	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	
SJBA #4 (PSCode 3010120-003) (09	02041-03) Water Sam	pled: 02	2/03/09 10:3	0 Recei	ived: 02/03	/09 16:35			
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1 "	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	-
CVWD #1 (PSCode 3010120-004) (0	902041-04) Water Sa	mpled:	02/03/09 10	:50 Rec	eived: 02/0	03/09 16:3	5		
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	
Dance Hall (PSCode 3010120-005) (0902041-05) Water Sa	ımpled:	02/03/09 1	1:30 Re	ceived: 02	/03/09 16:3	35		
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	
Tirador (PSCode 3010120-006) (090	2041-06) Water Samp	led: 02	/03/09 11:1	0 Receiv	ved: 02/03/	09 16:35			
Plate Count (1 ml) Total Coliforms	<1 Absent	. 1	CFU/mL P/A	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	,
CD Final Blended (PSCode:3010120	-007) (0902041-07) Wa	ter Sa	mpled: 02/	03/09 10:	10 Receiv	ved: 02/03	/09 16:35		
Plate Count (1 ml) Total Coliforms	<1 Absent	1	CFU/mL P/A	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B SM 9223B	



32450 Paseo Adelanto

Project: NA

rioject. 1474

Project Number: Monthly Wells & Plant

Reported: 02/20/09 13:45

San Juan Capistrano CA, 92675

Project Manager: West Curry

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
CD RO ByPass (PSCode:3010120	0-009) (0902041-08) Wate	er Sam	pled: 02/03	/09 10:11	Received	1: 02/03/09	16:35		
Plate Count (1 ml)	<1	1	CFU/mL	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B	
Total Coliforms	Absent		P/A	n	**	. "	u .	SM 9223B	
CD Product Water (PSCode:301	0120-010) (0902041-09) V	Vater S	ampled: 0	2/03/09 10	:14 Rece	ived: 02/0	3/09 16:35		
Plate Count (1 ml)	<1	1	CFU/mL	1	B9B0401	02/03/09	02/03/09 17:00	SM 9215B	
Total Coliforms	Absent		P/A	n	**	"	н .	SM 9223B	



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported: 02/20/09 13:45

San Juan Capistrano CA, 92675

Project Manager: West Curry

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-00	1) (0902041-01) V	Vater Sam	pled: 02/03/	09 11:00	Received	: 02/03/09	16:35		
Total Alkalinity	320	0.400	mg/L	1	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	,
Carbonate Alkalinity	ND	0.400	II .	**	#1	11	u.	II .	
Bicarbonate Alkalinity	320	0.400	"	11		**	II	н	
Hydroxide Alkalinity	ND	0.400	11	."	D	71	n	#	
Color	40.0	1.00	Color Units	11	Ħ	H	n	EPA 110.2	
Specific Conductance (EC)	2350	0.100	μmhos/cm	n	**	u		EPA 120.1	
Fluoride	0.250	0.0200	mg/L	н	11	II	**	EPA 340.1	
Odor	1.00	1.00	T.O.N.	11	41	11	"	EPA 140.1	
Sulfate as SO4	560	0.500	mg/L	11	0	n	ıı	EPA 375.4	
Total Dissolved Solids	1560	1.00	Ħ	n n	11	**	II.	EPA 160.1	
Turbidity	33.9	0.0200	NTU	, u	n	n	"	EPA 180.1	
SJBA #2 (PSCode 3010120-002) (090	2041-02) Water	Sampled: 0	2/03/09 11:4	10 Recei	ived: 02/03	/09 16:35			
Total Alkalinity	335	0.400	mg/L	1	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	
Carbonate Alkalinity	ND	0.400	n	н	н	11	tr.	н	
Bicarbonate Alkalinity	335	0.400	Ħ		II .	ń	u	a	
Hydroxide Alkalinity	ND	0.400		"	n	. #	u	n	
Color	2.00	1.00	Color Units	. "	"	u	II .	EPA 110.2	
Specific Conductance (EC)	2440	0.100	µmhos/cm	**	"	11	n	EPA 120.1	
Fluoride	0.350	0.0200	mg/L	**	н	11	п	EPA 340.1	*.
Odor -	1.00	1.00	T.O.N.	n	. #	11	п	EPA 140.1	
Sulfate as SO4	620	0.500	mg/L	"	11	11	п	EPA 375.4	
Total Dissolved Solids	1620	1.00	H ·	н	n	n,	п	EPA 160.1	
Turbidity	2.90	0.0200	NTU	n	"	n	11	EPA 180.1	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported: 02/20/09 13:45

Conventional Chemistry Parameters by APHA/EPA Methods

									
Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Note
SJBA #4 (PSCode 3010120-003) (09	902041-03) Water	Sampled: 0	2/03/09 10:3	0 Recei	ived: 02/03	09 16:35			
Total Alkalinity	382	0.400	mg/L	1	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	
Carbonate Alkalinity	ND	0.400	II	17	II .	п	n n	11	
Bicarbonate Alkalinity	382	0.400	11	"	11		11	н	
Hydroxide Alkalinity	ND	0.400	n	. "	" .	n	. "	II	
Color	15.0	1.00	Color Units	u	"	u	н	EPA 110.2	
Specific Conductance (EC)	2580	0.100	μmhos/cm	11	Ħ	. "	н	EPA 120.1	
Fluoride	0.380	0.0200	mg/L	n		D .	11	EPA 340.1	
Odor	1.00	1.00	T.O.N.	ıı		II .	11	EPA 140.1	
Sulfate as SO4	650	0.500	mg/L		Ħ	0	11	EPA 375.4	
Total Dissolved Solids	1700	1.00	н	11	n	11		EPA 160.1	
Turbidity	27.1	0.0200	NTU	11	11	Ħ	n	EPA 180.1	
CVWD #1 (PSCode 3010120-004) (0902041-04) Water	r Sampled:	02/03/09 10:	50 Rec	eived: 02/	03/09 16:3:	5 .		
Total Alkalinity	284	0.400	mg/L	I	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	
Carbonate Alkalinity	ND	0.400	11	n	11	**	n	"	
Bicarbonate Alkalinity	284	0.400	**	**	11	17	n	"	
Hydroxide Alkalinity	ND	0.400	*	n	11	11	Ħ .	n	
Color	1.00	1.00	Color Units	11	11	Ħ	Ħ	EPA 110.2	
Specific Conductance (EC)	2190	0.100	μmhos/cm	11	11	18	Ħ	EPA 120.1	•
Fluoride	0.460	0.0200	mg/L	н	11	n	. #	EPA 340.1	
Odor	1.00	1.00	T.O.N.	"	11	Ħ	. #	EPA 140.1	
Sulfate as SO4	500	0.500	mg/L	н	11	11	n .	EPA 375.4	
Total Dissolved Solids	1450	1.00	11		п	It	n	EPA 160.1	
Turbidity	1.20	0.0200	NTU	II	n	"	"	EPA 180.1	,



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported: 02/20/09 13:45

San Juan Capistrano CA, 92675

Project Manager: West Curry

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
Dance Hall (PSCode 3010120-005) (09	002041-05) Water	Sampled	: 02/03/09 1	1:30 Re	ceived: 02/	/03/09 16:3	35		
Total Alkalinity	396	0.400	mg/L	1	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	
Carbonate Alkalinity	ND	0.400	ŧı	11	II .	"	II .	"	
Bicarbonate Alkalinity	396	0.400	**	tr	11	**	. "	11	
Hydroxide Alkalinity	ND	0.400	11	ır	n	Ħ	и	17	
Color	208	1.00	Color Units	11	ij	II	H	EPA 110.2	
Specific Conductance (EC)	2910	0.100	μmhos/cm	**	. 11	11 '	Ħ	EPA 120.1	
Fluoride	0.360	0.0200	mg/L	17	n	11	U	EPA 340.1	
Odor	3.00	1.00	T.O.N.	11	"	"	n	EPA 140.1	•
Sulfate as SO4	720	0.500	mg/L	11	11	11	ır .	EPA 375.4	
Total Dissolved Solids	1920	1.00	* .	II .	н		u.	EPA 160.1	
Turbidity	65.5	0.0200	NTU	n	II .	11	R	EPA 180.1	
Tirador (PSCode 3010120-006) (0902	041-06) Water Sa	ampled: 02	/03/09 11:10	Receiv	ved: 02/03/	09 16:35			
Total Alkalinity	350	0.400	mg/L	1	B9B2001	02/03/09	02/03/09 17:06	EPA 310.1	
Carbonate Alkalinity	ND	0.400	11	U	**	11	и .	II .	
Bicarbonate Alkalinity	350	0.400	11	n	н	H	II.	n	
Hydroxide Alkalinity	ND	0.400	tt .	**	#	11	n	n	•
Color	220	1.00	Color Units	11	* .	11	н	EPA 110.2	
Specific Conductance (EC)	2890	0.100	μmhos/cm	11	**	**	. 11	EPA 120.1	
Fluoride	0.510	0.0200	mg/L	н	11	. "	11	EPA 340.1	
Odor .	2.00	1.00	T.O.N.	. "	er .	II.	II .	EPA 140.1	
Sulfate as SO4	760	0.500	mg/L	n	11	II .	n n	EPA 375.4	
Sulfate as SO:			n		. 11	11	n · ·	EDA 160 1	
Total Dissolved Solids	1900	1.00	п	**	. "	-	-	EPA 160.1	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported: 02/20/09 13:45

Total Organic Carbon (TOC) by SM 5310 B

					-				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita Well (PSCode 3010120-001)) (0902041-01) Wat	er Sampl	led: 02/03	/09 11:00	Received	: 02/03/09	16:35		
Total Organic Carbon	1.9	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 16:5	8 SM 5310 B	
SJBA #2 (PSCode 3010120-002) (0902	041-02) Water Sa	ampled: 02	/03/09 11:	40 Recei	ved: 02/03	/09 16:35		•	
Total Organic Carbon	2.8	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 17:1	7 SM 5310 B	
SJBA #4 (PSCode 3010120-003) (0902	041-03) Water Sa	ampled: 02	/03/09 10:	30 Recei	ived: 02/03	/09 16:35			
Total Organic Carbon	2.3	0.50	mg/L	. 1	B9B1216	02/12/09	02/12/09 17:3	8 SM 5310 B	
CVWD #1 (PSCode 3010120-004) (090)2041-04) Water	Sampled: 0	2/03/09 1	0:50 Rec	eived: 02/0	03/09 16:3	5		
Total Organic Carbon	4.1	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 17:5	7 SM 5310 B	
Dance Hall (PSCode 3010120-005) (09	02041-05) Water	Sampled:	02/03/09	11:30 Re	ceived: 02/	/03/09 16:3	35		
Total Organic Carbon	3.5	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 18:1	7 SM 5310 B	
Tirador (PSCode 3010120-006) (09020)41-06) Water Sa	mpled: 02/	03/09 11:1	lo Receiv	ved: 02/03/	09 16:35			
Total Organic Carbon	4.0	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 18:3	9 SM 5310 B	
CD Product Water (PSCode:3010120-	010) (0902041-09)	Water Sa	mpled: 0	2/03/09 10	:14 Rece	ived: 02/0	3/09 16:35		
Total Organic Carbon	1.4	0.50	mg/L	1	B9B1216	02/12/09	02/12/09 19:0	1 SM 5310 B	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported:

02/20/09 13:45

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-001) (0902	041-01) V	Water Sampl	ed: 02/0.	3/09 11:00	Received	: 02/03/09	16:35		
Iron	2.5	0.052	mg/L	1	B9B0408	02/04/09	02/04/09 19:07	EPA 200.7	
Manganese SJBA #2 (PSCode 3010120-002) (0902041-02	0.69) Water	0.0060 Sampled: 02/				9	"		
Iron	0.45	0.052	mg/L	1	B9B0408	02/04/09	02/04/09 19:26	EPA 200.7	
Manganese SJBA #4 (PSCode 3010120-003) (0902041-03	0.65 Water	0.0060 Sampled: 02/	 /03/09 10			 5/09 16:35	"	"	•
Iron Manganese	0.58 1.2	0.052 0.0060	mg/L	1 "	B9B0408	02/04/09	02/04/09 19:31	EPA 200.7	
CVWD #1 (PSCode 3010120-004) (0902041-0	4) Wate	r Sampled: 0	2/03/09	10:50 Rec	eived: 02/	03/09 16:3:	5		
Iron Manganese	0.22 0.19	0.052 0.0060	mg/L	1	B9B0408	02/04/09	02/04/09 19:36	EPA 200.7	
Dance Hall (PSCode 3010120-005) (0902041-	05) Wate	er Sampled: (02/03/09	11:30 Re	ceived: 02	/03/09 16:3	35		
Iron Manganese	5.4 1.5	0.052 0.0060	mg/L "	1	B9B0408	02/04/09	02/04/09 19:41	EPA 200.7	
Tirador (PSCode 3010120-006) (0902041-06)	Water	Sampled: 02/0	3/09 11:	10 Receiv	/ed: 02/03/	09 16:35			
Iron Manganese	4.0 1.6	0.052 0.0060	mg/L	1	B9B0409	02/04/09	02/04/09 20:21	EPA 200.7	
CD Permeate B (PSCode 3010120-012) (0902	041-10)	Water Sampl	led: 02/0	3/09 10:09	Received	l: 02/03/09	16:35		
Iron Manganese	ND ND	0.052 0.0060	mg/L	1	B9B0409	02/04/09	02/04/09 20:53 02/04/09 20:52	EPA 200.7	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project. INA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported: 02/20/09 13:45

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CD Raw Water (PSCode 30	10120-013) (0902041-11) Wa	ater Samp	led: 02/0.	3/09 10:17	Received	1: 02/03/09	16:35		-
Iron	0.35	0.052	mg/L	1	B9B0409	02/04/09	02/04/09 20:57	EPA 200.7	
Manganese	0.68	0.0060		. "	" .	. #	11	п	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported: 02/20/09 13:45

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Sierra Analytical Labs, Inc.

		Sierra Ai	iaiyucai L	aus, 1	nc.				
Analyte	Result	Reporting Limit	Units I	Dilution	Batch	Prepared	Analyzed	Method	Note
Kinoshita Well (PSCode 3010120-001)	(0902041-01) V	Vater Samp	led: 02/03/09	11:00	Received	: 02/03/09	16:35		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		112%	86-118		n	" .	. "	"	
Surrogate: Toluene-d8		95.6 %	88-110		,"	"	"	n	•
Surrogate: 4-Bromofluorobenzene	,	93.4 %	86-115		"	"	"	<i>n</i> ·	
SJBA #2 (PSCode 3010120-002) (09020	41-02) Water	Sampled: 02	/03/09 11:40	Rece	ived: 02/03	3/09 16:35			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		111%	86-118		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	88-110		"	. 11	n	n	
Surrogate: 4-Bromofluorobenzene		92.8 %	86-115		"	"	n		
SJBA #4 (PSCode 3010120-003) (09020	41-03) Water	Sampled: 02	/03/09 10:30	Rece	ived: 02/03	/09 16:35			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		112%	86-118		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	88-110		"	"	. "	" .	
Surrogate: 4-Bromofluorobenzene		93.2 %	86-115		"	"	n	n	
CVWD #1 (PSCode 3010120-004) (0902	041-04) Water	· Sampled: 0	2/03/09 10:5	0 Rec	eived: 02/0	03/09 16:3:	5		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		112%	86-118		"	"	"	"	
Surrogate: Toluene-d8		95.4 %	88-110	•	"	"	· "	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	86-115		"	"	"	"	-
Dance Hall (PSCode 3010120-005) (090	2041-05) Wate	r Sampled:	02/03/09 11:3	80 Re	ceived: 02	/03/09 16:3	35		
Methyl tert-butyl ether	0.93	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-118		<i>"</i> .	"	. "	"	
Surrogate: Toluene-d8		96.4 %	88-İ10		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	86-115		"	,,	"	rr .	
			_						



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported:

02/20/09 13:45

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

								,	
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Tirador (PSCode 3010120-006) (0902041-	-06) Water	Sampled: 02/0	03/09 11:10	Receiv	ved: 02/03/	09 16:35			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9B0407	02/04/09	02/04/09 13:12	EPA 8260B	
Surrogate: Dibromofluoromethane		.112 %	86-11	18	"	"	, , , ,	"	
Surrogate: Toluene-d8		96.2 %	88-11	10	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	86-11	15	"	n	n	"	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Monthly Wells & Plant

Project Manager: West Curry

Reported:

02/20/09 13:45

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

Sierra Analytical Labs, Inc.

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

Batch B9B1216 - Organic Carbon

Blank (B9B1216-BLK1)				Prepared & Analyzed: 02/12/09	
Total Organic Carbon	ND	0.50	mg/L		



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

02/20/09 13:45

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Rosuit		Onits			- VICEC	Limits		Dillit	110103
Batch B9B0408 - EPA 200 Series		· · · · · · · · · · · · · · · · · · ·								
Blank (B9B0408-BLK1)	_			Prepared	& Analyz	ed: 02/04/0	09			
Iron	ND	0.052	mg/L							
Manganese	ND	0.0060	u			٠.				
Blank (B9B0408-BLK2)				Prepared	& Analyz	ed: 02/04/	09			•
Iron	ND	0.052	mg/L							
Manganese	ND	0.0060	н							
LCS (B9B0408-BS1)				Prepared	& Analyz	ed: 02/04/0	09			
Iron	0.220	0.052	mg/L	0.200		110	70-130		,	
Manganese	0.218	0.0060	u	0.200		109	85-115			
LCS (B9B0408-BS2)				Prepared of	& Analyze	ed: 02/04/0)9			
Iron	0.217	0.052	mg/L	0.200		108	70-130			
Manganese	0.214	0.0060	u	0.200		107	85-115			
Matrix Spike (B9B0408-MS1)	Sou	rce: 090201	0-01	Prepared of	& Analyze	ed: 02/04/0	09			
Iron	2.69	0.052	mg/L	0.200	2.4	145	70-130			QM-0
Manganese	4.44	0.0060	. "	0.200	4.3	70.0	70-130			
Matrix Spike (B9B0408-MS2)	Sou	rce: 090201	4-03	Prepared of	& Analyze	ed: 02/04/0	09			
Iron	0.213	0.052	mg/L	0.200	0.015	99.0	70-130			
Manganese	0.204	0.0060	**	0.200	ND	102	70-130			
Matrix Spike Dup (B9B0408-MSD1)	Sou	rce: 090201	0-01	Prepared 6	& Analyze	ed: 02/04/0)9			-
Iron	2.77	0.052	mg/L	0.200	2.4	185	70-130	2.93	20	QM-0
Manganese	4.36	0.0060	II	0.200	4.3	30.0	70-130	1.82	20	QM-0
Matrix Spike Dup (B9B0408-MSD2)	Sou	rce: 090201	4-03	Prepared of	& Analyze	ed: 02/04/0)9			
Iron	0.216	0.052	mg/L	0.200	0.015	100	70-130	1.40	20	
Manganese	0.207	0.0060		0.200	ND	104	70-130	1.46	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.



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

02/20/09 13:45

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

								0	•	
Analyse	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Ullis	Level	Result	70REC	Limits	KFD	Lillit	Notes
Batch B9B0409 - EPA 200 Series										
Blank (B9B0409-BLK1)				Prepared	& Analyze	ed: 02/04/	09			
Íron	ND	0.052	mg/L				•			
Manganese	ND	0.0060	Ħ	•						
LCS (B9B0409-BS1)				Prepared	& Analyze	ed: 02/04/	09			
Iron	0.217	0.052	mg/L	0.200		108	70-130			
Manganese	0.217	0.0060	. п	0.200		108	85-115			
Matrix Spike (B9B0409-MS1)	Sou	ırce: 090204	1-06	Prepared of	& Analyze	ed: 02/04/	09			
Iron	4.23	0.052	mg/L	0.200	4.0	115	70-130			
Manganese.	1.90	0.0060	и,	0.200	1.6	150	70-130			QM-0
Matrix Spike Dup (B9B0409-MSD1)	Sou	ırce: 090204	1-06	Prepared	& Analyze	ed: 02/04/0	09		•	
Iron	4.27	0.052	mg/L	0.200	4.0	135	70-130	0.941	20	QM-0
Manganese	1.93	0.0060	11	0.200	1.6	165	70-130	1.57	20	QM-0
•										



32450 Paseo Adelanto

Project: NA

Project Number: Monthly Wells & Plant

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

02/20/09 13:45

MTBE by EPA Method 8260B (SIM - Selective Ion Mode) - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9B0407 - EPA 5030B P & T										
Blank (B9B0407-BLK1)				Prepared	& Analyz	ed: 02/04/	09			
Methyl tert-butyl ether	ND	0.50	μg/L							
Surrogate: Dibromofluoromethane	54.6		"	50.0		109	86-118			
Surrogate: Toluene-d8	47.5		"	50.0		95.0	88-110			
Surrogate: 4-Bromofluorobenzene	47.3		"	50.0		94.6	86-115		*	
LCS (B9B0407-BS1)				Prepared	& Analyz	ed: 02/04/	09			
Methyl tert-butyl ether	44.7	0.50	μg/L	50.0		. 89.4	80-120			
Matrix Spike (B9B0407-MS1)	Sou	rce: 090204	1-01	Prepared	& Analyz	ed: 02/04/	09			
Methyl tert-butyl ether	38.9	0.50	μg/L	50.0	ND	77.8	37-160			
Matrix Spike Dup (B9B0407-MSD1)	Sou	rce: 090204	1-01	Prepared	& Analyze	ed: 02/04/	09			
Methyl tert-butyl ether	41.1	0.50	μġ/L	50.0	ND	82.2	37-160	5.50	30	

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SJBA # 2	002	11:40				v	$ \mathbf{v} $	$ \mathbf{v} $	v	v	v	v	v		v	v	v	v	v	v	1 4		2		2		1. 1			
(PS Code 3010120-002) SJBA#4	002	11:90				 ^	-	^	1	^	_	^			<u>^</u>	-	<u>^</u>	^			+-	<u> </u>	3		-	 	├─┤			
(PS Code 3010120-003)	003	10:30	対数数			X	X	Х	Х	х	Х	Х	Х		Х	Х	Х	X	x	x	1 1	w l	3		2]			
CVWD#1			語編建議		THE REAL PROPERTY.															-	—									-
(PS Code 3010120-004)	004	10:50	は開催	A 1115	e lighter	X	X	X	X	X	X	X	X		X	X	X	X	X	X	1	W	3		2					
Dance Hall	005	11:30				v	v	v	v	$ \mathbf{v} $	v	v	v		V	v	v	v	v	v	1 41	,, l	2		2		1 1			
(PS Code 3010120-005) Tirador	003	1113 30	THE STATE OF	SA TAK HAMAN SA TAK BANGAN	75-10-01	^	 ^	^	┝	┝	^	^	-	-	<u> </u>		_	<u> </u>	_	<u> </u>		-	3			-	H			-
(PS Code 3010120-006)	006	11:10				Х	x	X	Х	x	Х	Х	x	- [х	Х	X	Х	Х	x	11	w	3		2					
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(PS Code 3010120-007)	007	10:10	The second second									Χ	<u> </u>		_					_	1 7	9	1			Ш	Ш			
CD RO Bypass	009	10:11										v	v		1						1 4	ا ،	4		. 1					
(PS Code 3010120-009) CD Product Water	009		ECHARIES	A PROPERTY.		高級市		推理	對概	運動	があ	_		-	\dashv	-			-		 "	<u>- </u>	-4	_	-	 	\vdash			
(PS Code 3010120-010)	010	10:14										Х	X	X	X	Х	X	Х	Х	ŀ	1:10	o l	2		. 1				1	
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(PS Code 3010120-012)	012	10:09		All Assets		X	X	X	X	X	X									_	1 1	0	1				Ш			
CD Raw Water	013	10:17				v	v	Y	v	$ \mathbf{v} $	Y				٠				1		1 4	ا م	4		. 1					
(PS Code 3010120-013)	013	1	經過期等的	Paris Charles	EXECUTIONS.	<u> </u>	4		^	^	<u> </u>	150	學能	NAME:			\dashv		\dashv	+	- 	-			-	\dashv				_
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- Bacti Bottles						,											_													
9 - 1 Ltr Bottle															Ī	24 H	OUR			5 DAY					si	HIPP	ED V	iA;		
1 - 100 mL Bottle														\neg				ĺ	х	STAND	ARD.				Lal	h P	ick	Hn		
														\neg								3		•	U)			٦þ		
SAMPLE RELINQUISHED	BY		INT NAV	E/COMPAN	Violation in	ETEN		海槽	ΠĀ	TE/Ti	ME	Mag	1. 開始											ρβ	INT's	JAW	FICO	МΡΔΙ	VV S	No.
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32450 Paseo Adelanto

Project: NA

Project Number: Quarterly Wells & Plant

Reported: 03/16/09 09:35

San Juan Capistrano CA, 92675

Project Manager: West Curry

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Kinoshita Well (PSCode 3010120-001)	0903039-01	Water	03/03/09 13:15	03/03/09 15:25
SJBA #2 (PSCode 3010120-002)	0903039-02	Water	03/03/09 14:00	03/03/09 15:25
SJBA #4 (PSCode 3010120-003)	0903039-03	Water	03/03/09 14:15	03/03/09 15:25
CVWD #1 (PSCode 3010120-004)	0903039-04	Water	03/03/09 13:30	03/03/09 15:25
Dance Hall (PSCode 3010120-005)	0903039-05	Water	03/03/09 14:30	03/03/09 15:25
Tirador (PSCode 3010120-006)	0903039-06	Water	03/03/09 12:55	03/03/09 15:25
CD Product Water (PSCode:3010120-010)	0903039-07	Water	03/03/09 10:55	03/03/09 15:25

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

Project: NA

San Juan Capistrano CA, 92675

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported: 03/16/09 09:35

MTBE by EPA Method 8260B (SIM - Selective Ion Mode)

Sierra Analytical Labs, Inc.

		Sierra Ai	iaiyticai L	aus, 1	nc.		-		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Kinoshita Well (PSCode 3010120-001)	(0903039-01) W	ater Samp	led: 03/03/09	13:15	Received	: 03/03/09	15:25		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9C0405	03/04/09	03/05/09 09:0	3 EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-118	3	"	"	"	"	
Surrogate: Toluene-d8		95.2 %	88-110)	"	"	, " ·	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	86-113	5	"	"	" "	<i>"</i>	
SJBA #2 (PSCode 3010120-002) (09030	39-02) Water	Sampled: 03	/03/09 14:00	Rece	ived: 03/03	3/09 15:25			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9C0405	03/04/09	03/05/09 09:0	3 EPA 8260B	
Surrogate: Dibromofluoromethane		113%	86-118	}	" .	п-	. "	n	
Surrogate: Toluene-d8		95.2 %	88-110)	"	n	<i>u</i> `	"	•
Surrogate: 4-Bromofluorobenzene		95.2 %	86-113	ī	"	"	"	n	
SJBA #4 (PSCode 3010120-003) (09030	39-03) Water	Sampled: 03	/03/09 14:15	Rece	ived: 03/03	3/09 15:25			
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9C0405	03/04/09	03/05/09 09:0	3 EPA 8260B	
Surrogate: Dibromofluoromethane		114%	86-118	}	" .	"	"	"	
Surrogate: Toluene-d8		95.4 %	88-110)	"	. "	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	86-115	i	, "	"	ŋ	"	
CVWD #1 (PSCode 3010120-004) (090	3039-04) Water	Sampled: 0	3/03/09 13:3	0 Rec	eived: 03/0	03/09 15:2:	5		
Methyl tert-butyl ether	ND	0.50	μg/L	1	B9C0405	03/04/09	03/05/09 09:0	3 EPA 8260B	
Surrogate: Dibromofluoromethane		113 %	86-118	}	"	"	11	"	
Surrogate: Toluene-d8		95.0 %	88-110	}	"	"	"	, "	
Surrogate: 4-Bromofluorobenzene		95.0 %	86-115	i	<i>n</i> .	. "	n	"	
Dance Hall (PSCode 3010120-005) (090	3039-05) Water	r Sampled:	03/03/09 14:	30 Re	ceived: 03/	/03/09 15:2	25		
Methyl tert-butyl ether	1.9	0.50	μg/L	1	B9C0405	03/04/09	03/05/09 09:0	3 EPA 8260B	
Surrogate: Dibromofluoromethane		116%	86-118	? .	n	"	"	,,	
Surrogate: Toluene-d8		95.6 %	88-110)	"	"	<i>n</i>	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	86-115	i	"	"	"	"	



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

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported: 03/16/09 09:35

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 B9C0404 - EPA 200 Series Blank (B9C0404-BLK1)				Prenared:	03/04/00	Analyzed	1: 03/06/09			
Aluminum	ND	0.050	mg/L	Trepareu.	03/04/02	Anatyzee	1. 03/00/09			
Calcium	ND	0.53	"							
Iron	ND	0.052	**			•				
Magnesium	ND	0.41	**							
Manganese	ND	0.0060								
Potassium	ND	0.90	n							
Sodium	ND	0.71	11							
Blank (B9C0404-BLK2)				Prepared:	03/04/09	Analyzed	1: 03/06/09			
Aluminum	ND	0.050	mg/L			<u>-</u> -				
Calcium	ND	0.53	11							
Iron	ND	0.052	**							
Magnesium	ND	0.41	Ħ							
Manganese	ND	0.0060	11				•			
Potassium	ND	0.90	н .							
Sodium	ND	0.71	Ħ							
LCS (B9C0404-BS1)			•	Prepared:	03/04/09	Analyzed	: 03/06/09			
Aluminum	0.199	0.050	mg/L	0.200		99.5	75-125			
Calcium	10.2	0.53	"	10.2		100	80-120			
Iron	0.209	0.052		0.200		104	70-130			
Magnesium	10.5	0.41	n	10.2		103	80-120			
Manganese	0.208	0.0060	n	0.200	•	104	85-115			
Potassium	9.93	0.90	0.,	10.2		97.4	80-120			
Sodium	10.1	0.71	n	10.2		99.0	80-120			
LCS (B9C0404-BS2)				Prepared:	03/04/09	Analyzed	: 03/06/09			
Aluminum	0.191	0.050	mg/L	0.200		95.5	75-125			
Calcium	10.1	0.53	11	10.2		99.0	80-120			
Iron	0.213	0.052	11	0.200		106	70-130			
Magnesium	10.5	0.41	ıı	10.2		103	80-120		•	
Manganese	0.204	0.0060	и .	0.200		102	85-115			
Potassium	9.88	0.90	"	10.2		96.9	80-120			
Sodium	10.3	0.71	n	10.2		101	80-120			



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported: 03/16/09 09:35

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyse	Result	Reporting	I Imian	Spike Level	Source	%REC	%REC	מממ	RPD	Na+
Analyte	Resuit	Limit	Units	Level	Result	70KEC	Limits	RPD	Limit	Notes
Batch B9C0404 - EPA 200 Series										
Matrix Spike (B9C0404-MS1)		rce: 090300		Prepared:	03/04/09	Analyzed	1: 03/06/09			
Aluminum	0.201	0.050	mg/L	0.200	ND	100	70-130			
Calcium	59.7	0.53	"	10.2	50	95.1	70-130			
Iron	0.202	0.052	**	0.200	ND	101	70-130			
Magnesium	22.3	0.41	n	10.2	12	101	70-130			
Manganese	0.201	0.0060	. "	0.200	ND '	100	70-130			
Potassium	10.9	0.90	n	10.2	1.3	94.1	70-130			
Sodium	87.7	0.71	n	10.2	79	85.3	70-130			
Matrix Spike (B9C0404-MS2)	Sou	rce: 090304	1-03	Prepared:	03/04/09	Analyzed	l: 03/06/09			
Aluminum	. 0.204	0.050	mg/L	0.200	ND	102	70-130			
Calcium	275	0.53	Ħ	10.2	230	441	70-130			QM-0
Iron	0.762	0.052	**	0.200	0.53	116	70-130			
Magnesium	81.1	0.41	₩.	10.2	65	158	70-130			QM-07
Manganese	1.41	0.0060	11	0.200	1.1	155	70-130			QM-01
Potassium	16.0	0.90	**	10.2	4.8	110	70-130			
Sodium	240	0.71	#	10.2	210	294	70-130			QM-01
Matrix Spike Dup (B9C0404-MSD1)	Sou	rce: 090300	6-01	Prepared:	03/04/09	Analyzed	1: 03/06/09	·		
Aluminum	0.200	0.050	mg/L	0.200	NĎ	100	70-130	0.499	20	
Calcium	60.3	0.53	19	10.2	50	101	70-130	1.00	20	
Iron	0.212	0.052	. "	0.200	ND	106	70-130	4.83	20	
Magnesium	22.5	0.41	۳.	10.2	12	103	70-130	0.893	20	
Manganese	0.201	0.0060	"	0.200	ND	100	70-130	0.00	20	
Potassium	11.3	0.90	. 11	10.2	1.3	98.0	70-130	3.60	20	
Sodium	89.2	0.71	н	10.2	79	100	70-130	1.70	20	
Matrix Spike Dup (B9C0404-MSD2)	Sou	rce: 090304	1-03	Prepared:	03/04/09	Analyzed	l: 03/06/09			
Aluminum	0.206	0.050	mg/L	0.200	ND	103	70-130	0.976	20	
	257	0.53	"	10.2	230	265	70-130	6.77	20	QM-01
Calcium	231			0.000		104	70-130	3.06	20	-
	0.739	0.052	"	0.200	0.53	104	70-130	3.00	20	
Calcium Iron Magnesium		0.052 0.41	1) H	10.2	0.53 65	118	70-130 70-130	5.19	20	
Iron Magnesium	0.739									
Iron	0.739 77.0	0.41		10.2	65	118	70-130	5.19	20	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported:

03/16/09 09:35

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 B9C0407 - EPA 200 Serie										
Blank (B9C0407-BLK1)				Prepared of	& Analyze	ed: 03/04/0)9		·	
Antimony	ND	6.0	μg/L		<i>j</i>					
Arsenic	ND	2.0	"							
Barium	· ND	100	"							
Beryllium	ND	4.0	."							
Cadmium	ND	1.0	Ŋ							
Chromium	ND	10	**		,					
Copper	ND	10	n .							
Lead	ND	4.0	n		1					
Nickel	ND	10	. "							•
Selenium	ND	5.0	n							
Silver	ND	10	н	•						
Thallium	ND	4.0	"							
Zinc	ND	20	. "	•					•	
LCS (B9C0407-BS1)				Prepared 4	& Analyze	d: 03/04/0	9			
Antimony	91.1	6.0	μg/L	100		91.1	85-115			
Arsenic	97.3	2.0		100		97.3	85-115			
Barium	88.8	100	"	100		88.8	85-115			
Beryllium	86.9	4.0	**	100		86.9	78-115			
Cadmium	85.9	1.0	0.	100		85.9	85-115			
Chromium	98.3	10	n	100		98.3	85-115			
Copper	94.1	10	**	100		94.1	85-115			
Lead	86.7	4.0	и .	100		86.7	85-115			
Nickel	93.8	10	II .	100		93.8	85-115			•
Selenium	89.5	. 5.0	n	100		89.5	85-115			
Silver	92.3	10	и .	100		92.3	80-120			
Thallium	86.7	4.0	n	100		86.7	85-115			*
Zinc	98.4	20	11	100		98.4	85-115			



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported:

03/16/09 09:35

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

	n 1	Reporting	** *.	Spike	Source	WREG	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B9C0407 - EPA 200 Series										`
Matrix Spike (B9C0407-MS1)	Sou	rce: 090302	7-01	Prepared	& Analyze	d: 03/04/0)9			
Antimony	94.9	6.0	μg/L	100	ND	94.9	70-130	_		
Arsenic	84.2	2.0	11	100	1.7	82.5	70-130			•
Barium	198	100	11	100	110	88.0	70-130		•	
Beryllium	86.5	4.0	11	100	ND	86.5	70-130			
Cadmium	86. <i>5</i>	1.0	11	100	0.33	86.2	70-130			
Chromium	82.1	10	11	100	1.7	80.4	70-130			
Copper	96.1	10	- 11	100	17	79.1	70-130			
Lead	85.4	4.0	**	100	ND.	85.4	70-130			
Nickel	83.1	10	ŧŧ	100	3.5	79.6	70-130			
Selenium	89.2	5.0	'n	100	4.7	84.5	70-130			
Bilver	90.9	10	"	100	ND	90.9	75-125			
Thallium	84.6	4.0	tt	100	ND	84.6	70-130			-
Zinc	128	20.	II .	100	47	81.0	70-130			
Matrix Spike Dup (B9C0407-MSD1)	Sou	rce: 090302'	7-01	Prepared	& Analyze	d: 03/04/0)9			
Antimony	95.8	6.0	μg/L	100	ND	95.8	70-130	0.944	20	
Arsenic	85.6	2.0	**	100	1.7	83.9	70-130	1.65	20	
3arium .	198	100	ıı	100	110	88.0	70-130	0.00	20	
Beryllium	84.8	4.0	11	100	ND	84.8	70-130	1.98	20	
Cadmium	88.2	1.0	n	100	0.33	87.9	70-130	1.95	20	
Chromium	82.3	10	, u	100	. 1.7	80.6	70-130	0.243	20	
Соррет	97.1	10	11	100	17	80.1	70-130	1.04	20	
Lead	83.2	4.0	n	· 100	ND	83.2	70-130	2.61	20	
Nickel	83.7	10	11	100	3.5	80.2	70-130	0.719	20	
Selenium	89.3	5.0	"	100	4.7	84.6	70-130	0.112	20	
Silver	92.0	10	n	100	ND	92.0	75-125	1.20	20	
rhallium	82.5	4.0	"	100	ND	82.5	70-130	2.51	20	•
Zinc	131	20	11	100	47	84.0	70-130	2.32	20	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported: 03/16/09 09:35

Metals by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

	·		-:						· · · · · · · · · · · · · · · · · · ·	
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B9C0504 - EPA 200 Series										•
Blank (B9C0504-BLK1)				Prepared a	& Analyz	ed: 03/05/	09			
Mercury	ND	0.00030	mg/L							
LCS (B9C0504-BS1)				Prepared a	& Analyz	ed: 03/05/	09			
Mercury	0.00102	0.00030	mg/L	0.00100		102	80-120			
Matrix Spike (B9C0504-MS1)	Sou	rce: 090243	4-03	Prepared a	& Analyze	ed: 03/05/	09			
Mercury	0.00086	0.00030	mg/L	0.00100	ND	86.0	80-120	,		
Matrix Spike Dup (B9C0504-MSD1)	Sou	rce: 090243	4-03	Prepared	& Analyze	ed: 03/05/	09			
Mercury	0.00085	0.00030	mg/L	0.00100	ND	85.0	80-120	1.17	20	
Mercury	0.00085	0.00030	mg/L	0.00100	ND	85.0	80-120	1.17	20	



Project: NA

32450 Paseo Adelanto

Project Number: Quarterly Wells & Plant

Reported: 03/16/09 09:35

San Juan Capistrano CA, 92675

Project Manager: West Curry

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source	· · · · · · · · · · · · · · · · · · ·	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B9C0603 - EPA 200 Series										
Blank (B9C0603-BLK1)				Prepared:	03/06/09	Analyzed	l: 03/10/09			
Hexavalent Chromium	ND	0.0010	mg/L							
LCS (B9C0603-BS1)				Prepared:	03/06/09	Analyzed	l: 03/10/09			
Hexavalent Chromium	0.00599	0.0010	mg/L	0.00600		99.8	90-120			
Matrix Spike (B9C0603-MS1)	Sou	rce: 090303	9-07	Prepared:	03/06/09	Analyzed	l: 03/10/09			•
Hexavalent Chromium	0.00714	. 0.0010	mg/L	0.00600	ND	119	80-120			
Matrix Spike Dup (B9C0603-MSD1)	Sou	rce: 090303	9-07	Prepared:	03/06/09	Analyzed	: 03/10/09			
Hexavalent Chromium	0.00716	0.0010	mg/L	0.00600	ND	119	80-120	0.280	20	



32450 Paseo Adelanto

San Juan Capistrano CA, 92675

Project: NA

Project Number: Quarterly Wells & Plant

Project Manager: West Curry

Reported: 03/16/09 09:35

Trihalomethanes by EPA Method 524.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9C0601 - EPA 500 Series										
Blank (B9C0601-BLK1)				Prepared:	03/06/09	Analyzed	: 03/09/09			
Bromodichloromethane	ND	0.500	μg/L	١						
Bromoform	ND	0.500	**							
Chloroform	. ND	0.500	n							
Dibromochloromethane	ND	0.500	II .							
Total Trihalomethanes	ND	0.500								
Surrogate: Dibromofluoromethane	57.1		n	50.0		114	86-118			
Surrogate: Toluene-d8	51.9		n	50.0		104	88-110			
Surrogate: 4-Bromofluorobenzene	54.7		n	50.0		109	86-115			
LCS (B9C0601-BS1)				Prepared:	03/06/09	Analyzed	: 03/09/09			
Bromodichloromethane	22.6	0.500	μg/L	25.0		90.4	80-120			
Chloroform	25.8	0.500	11	25.0		103	80-120			
Dibromochloromethane	22.0	0.500	п	25.0		88.0	80-120			
Duplicate (B9C0601-DUP1)	Sou	rce: 090303	9-07	Prepared:	03/06/09	Analyzed	: 03/09/09	•	•	
Bromodichloromethane	1.67	0.500	μg/L		1,83			9.14	30	
Chloroform	1.58	0.500	11		1.39		•	12.8	30	
Dibromochloromethane	3.46	0.500	"		3.81			9.63	30	
Matrix Spike (B9C0601-MS1)	Sou	rce: 090303	9-07	Prepared:	03/06/09	Analyzed	: 03/09/09			
Bromodichloromethane	30.8	0.500	μg/L	25.0	1.83	116	47-124			
Chloroform	22.7	0.500	. 11	25.0	1.39	85.2	22-148			
Dibromochloromethane	21.2	0.500		25.0	3.81	69.6	38-127			
Matrix Spike Dup (B9C0601-MSD1)	Sou	rce: 090303	9-07	Prepared:	03/06/09	Analyzed	: 03/09/09			
Bromodichloromethane	30.0	0.500	'μg/L	25.0	1.83	113	47-124	2.63	30	
Chloroform	22.7	0.500	. #	25.0	1.39	85.2	22-148	0.00	30	
Dibromochloromethane	20.7	0.500	**	25.0	3.81	67.6	38-127	2.39	30	



32450 Paseo Adelanto

Project: NA

Project Number: Quarterly Wells & Plant

Reported:

San Juan Capistrano CA, 92675

Project Manager: West Curry

03/16/09 09:35

Haloacetic Acids (GC/ECD) by EPA Method 552.2 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9C1102 - EPA 500 Series										
Blank (B9C1102-BLK1)				Prepared:	03/11/09	Analyzed	: 03/12/09			
Monochloroacetic Acid	ND	2,00	μg/L							
Dichloroacetic Acid	ND	1.00	n						,	
Trichloroacetic Acid	ND	1.00	и.				•			
Monobromoacetic Acid	ND	1.00	11							
Dibromoacetic Acid	ND	1.00	11							
Total Haloacetic Acids	ND	1.00								
Surrogate: 2,3-Dibromopropionic Acid	2.80		. "	5.00		56.0	50-165			
LCS (B9C1102-BS1)				Prepared: (03/11/09	Analyzed	: 03/12/09			•
Trichloroacetic Acid	3.33	1.00	μg/L	4.00		83.2	70-130			
Dibromoacetic Acid	3.12	1.00	"	4.00		78.0	70-130			
LCS (B9C1102-BS2)	,			Prepared: 03/11/09 Analyzed: 03/12/09						
Trichloroacetic Acid	3.30	1.00	μg/L	4.00		82.5	70-130			,
Dibromoacetic Acid	3.21	1.00	11	4.00		80.2	70-130			•
LCS Dup (B9C1102-BSD1)				Prepared: 03/11/09 Analyzed: 03/12/09						
Trichloroacetic Acid	3.84	1.00	μg/L	4.00		96.0	70-130	14.2	30	
Dibromoacetic Acid	3.15	1.00	11	4.00	•	78.8	70-130	0.957	30	
Duplicate (B9C1102-DUP1)	Source: 0902434-05			Prepared: 03/11/09 Analyzed: 03/12/09						
Trichloroacetic Acid	4.51	1.00	μg/L		4.88			7.88	30	
Dibromoacetic Acid	3.56	1.00	**		3.84			7.57	30	