APPENDIX F
WATER QUALITY

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Semi-Volatile Organics
Priority Toxic Pollutants Analytical Results
Plains Exploration and Production Co. - Arroyo Grande Oilfield

SEMI-VOLATILE ORGANICS	PRODUCED WATER SAMPLES					REGULATORY STANDARDS	
Chemical Constituent	**Sample A** 01/4/07 (µg/L)	**Sample B** 01/18/07 (µg/L)	**Sample C** 01/25/07 (µg/L)	Maximum Concentration Detection (µg/L)	Average Concentration of Detections (µg/L) [1]	Effluent Limit (µg/L or noted)	Basis
1,2 Benzanthracene	<20	<20	<20	<20	<20	0.0044	California Toxics Rule
1,2 Diphenylhydrazine	<5.0	<5.0	<5.0	<5.0	<5.0	0.04	California Toxics Rule
1,2,4 Trichlorobenzene	<10	<10	<10	<10	<10	5	Public Health Goal
2 Chlorophenol	<5.0	<5.0	<5.0	<5.0	<5.0	120	California Toxics Rule
2,4 Dichlorophenol	<5.0	<5.0	<5.0	<5.0	<5.0	93	California Toxics Rule
2,4 Dimethyphenol	<20	42	<20	**42**	**42**	100	CA Notification Level (DHS)
2,4 Dinitrophenol	<20	<20	<20	<20	<20	70	California Toxics Rule
2,4 Dinitrotoluene	<5.0	<5.0	<5.0	<5.0	<5.0	0.11	California Toxics Rule
2,4,6 Trichlorophenol	<10	<10	<10	<10	<10	2.1	California Toxics Rule
2,6 Dinitrotoluene	<5.0	<5.0	<5.0	<5.0	<5.0	230	National Ambient Water Quality Criteria
2-Nitrophenol	<10	<10	<10	<10	<10	150 [C2]	National Ambient Water Quality Criteria
2- Chloronaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	1600[C3]	National Ambient Water Quality Criteria
3,3' Dichlorobenzidine	<20	<20	<20	<20	<20	0.04	California Toxics Rule
3,4 Benzofluoranthene	<5.0	<5.0	<5.0	<5.0	<5.0	0.0044	California Toxics Rule
4 Chloro-3-methylphenol	<10	<10	<10	<10	<10	30	National Ambient Water Quality Criteria
4,6 Dinitro-2-methylphenol	<20	<20	<20	<20	<20	13.4	National Ambient Water Quality Criteria
4-Nitrophenol	<10	<10	<10	<10	<10	150	National Ambient Water Quality Criteria
4-Bromophenyl phenyl ether	<5.0	<5.0	<5.0	<5.0	<5.0	122 [C1]	National Ambient Water Quality Criteria
4-Chlorophenyl phenyl ether	<5.0	<5.0	<5.0	<5.0	<5.0	122 [C1]	National Ambient Water Quality Criteria
Acenaphthene	<5.0	<5.0	<5.0	<5.0	<5.0	520	National Ambient Water Quality Criteria
Acenaphthylene	<5.0	<5.0	<5.0	<5.0	<5.0	300F	National Ambient Water Quality Criteria
Anthracene	<5.0	<5.0	<5.0	<5.0	<5.0	9600	California Toxics Rule
Benzidine	<20	<20	<20	<20	<20	0.00012	California Toxics Rule
Benzo(a)pyrene (3,4 Benzopyrene)	<5.0	<5.0	<5.0	<5.0	<5.0	0.0044	California Toxics Rule
Benzo(g,h,i)perylene	<5.0	<5.0	<5.0	<5.0	<5.0	300[F]	National Ambient Water Quality Criteria
Benzo(k)fluoranthene	<5.0	<5.0	<5.0	<5.0	<5.0	0.0044	California Toxics Rule
Bis (2-Chloroethoxyl) methane	<5.0	<5.0	<5.0	<5.0	<5.0	__	No Criteria Available
Bis(2-chloroethyl) ether	<5.0	<5.0	<5.0	<5.0	<5.0	0.031	California Toxics Rule
Bis(2-chloroisopropyl) ether	<5.0	<5.0	<5.0	<5.0	<5.0	122[C1]	National Ambient Water Quality Criteria
Bis(2-Ethylhexyl) phthalate	<50	<50	<50	<50	<50	1.8	California Toxics Rule
Butyl benzyl phthalate	<10	<10	<10	<10	<10	2[C4]	Central Coast Water Board's (CCWB's) Basin Plan
Chrysene	<5.0	<5.0	<5.0	<5.0	<5.0	0.0044	California Toxics Rule
Di-n-butylphthalate	<100	<100	<100	<100	<100	2[C4]	CCWB's Basin Plan
Di-n-octylphthalate	<10	<10	<10	<10	<10	2[C4]	CCWB's Basin Plan
Dibenzo(a,h)-anthracene	<5.0	<5.0	<5.0	<5.0	<5.0	0.0044	California Toxics Rule
Diethyl phthalate	<40	<40	<40	<40	<40	2[C4]	CCWB's Basin Plan
Dimethyl phthalate	<10	<10	<10	<10	<10	2[C4]	CCWB's Basin Plan
Fluoranthene	<5.0	<5.0	<5.0	<5.0	<5.0	300	California Toxics Rule
Fluorene	<5.0	<5.0	<5.0	<5.0	<5.0	1300	California Toxics Rule
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	5.2	National Ambient Water Quality Criteria
Hexachlorobenzene	<10	<10	<10	<10	<10	0.00075	California Toxics Rule
Hexachlorobutadiene	<10	<10	<10	<10	<10	0.44	California Toxics Rule
Hexachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	1.9	California Toxics Rule
Indeno(1,2,3-cd)pyrene	<20	<20	<20	<20	<20	0.0044	California Toxics Rule
Isophorone	<5.0	<5.0	<5.0	<5.0	<5.0	8.4	California Toxics Rule
N-Nitrosodiphenylamine	<5.0	<5.0	<5.0	<5.0	<5.0	5	California Toxics Rule
N-Nitrosodimethylamine	<5.0	<5.0	<5.0	<5.0	<5.0	0.00069	California Toxics Rule
N-Nitrosodi-n-propylamine	<10	<10	<10	<10	<10	0.005	California Toxics Rule
Naphthalene	<5.0	<5.0	16	**16**	**16**	21	Taste and Odor
Nitrobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	17	California Toxics Rule
Pentachlorophenol	<20	<20	<20	<20	<20	0.28	California Toxics Rule
Phenanthrene	<5.0	<5.0	<5.0	<5.0	<5.0	300[C5,F]	National Ambient Water Quality Criteria
Phenol	88	72	100	**100**	**86.67**	1	CCWB's Basin Plan
Pyrene	<5.0	<5.0	<5.0	<5.0	<5.0	960	California Toxics Rule

Notes:
[1] If the method detection limit exceeds the regulatory standard, then "not detected" means the regulatory standard is met.
< = indicates less than the indicated detection limit
C: Indicate a regulatory decision that the cited concentration is either necessary of sufficient for full protection of beneficial uses or indicate meaning of uncommon acronyms.
C1: - For haloethers
C2: - For nitrophenols
C3: - For chlorinated naphthalenes
C4: - For phthalate esters
C5: - For polynuclear aromatic hydrocarbons
C6: - Criteria for sum of alpha and beta forms
C7: - Criteria for sums of all PCBs

Volatile Organics
Priority Toxic Pollutants Analytical Results
Plains Exploration and Production Co. - Arroyo Grande Oilfield

VOLATILE ORGANICS	PRODUCED WATER SAMPLES					REGULATORY STANDARDS	
Chemical Constituent	**Sample A** 01/4/07 (µg/L)	**Sample B** 01/18/07 (µg/L)	**Sample C** 01/25/07 (µg/L)	Maximum Concentration Detection (µg/L)	Average Concentration of Detections (µg/L) [1]	Effluent Limit (µg/L or noted)	Basis
1,1 Dichloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	5	Primary MCL
1,1 Dichloroethene	<5.0	<0.50	<5.0	<5.0	<5.0	0.057	California Toxics Rule
1,1,1 Trichloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	200	Primary MCL
1,1,2 Trichloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	0.6	California Toxics Rule
1,1,2,2 Tetrachloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	0.17	California Toxics Rule
1,2 Dichlorobenzene	<5.0	<0.50	<5.0	<5.0	<5.0	10	Secondary MCL
1,2 Dichloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	0.38	California Toxics Rule
1,2 Dichloropropane	<5.0	<0.50	<5.0	<5.0	<5.0	0.52	California Toxics Rule
1,3 Dichlorobenzene	<5.0	<0.50	<5.0	<5.0	<5.0	400	California Toxics Rule
1,3 Dichloropropene	<5.0	<0.50	<5.0	<5.0	<5.0	0.5	Primary MCL
1,4 Dichlorobenzene	<5.0	<0.50	<5.0	<5.0	<5.0	5	Primary MCL
Acrolein	<200	<20	<200	<200	<200	21	National Ambient Water Quality Criteria
Acrylonitrile	<200	<20	<200	<200	<200	0.059	California Toxics Rule
Benzene	23	1.2	<5.0	**23**	**12.1**	1	Primary MCL
Bromoform	<5.0	<0.50	<5.0	<5.0	<5.0	4.3	California Toxics Rule
Methyl Bromide (Bromomethane)	<0.50	<0.50	<5.0	<0.50	<0.50	48	California Toxics Rule
Carbon Tetrachloride	<5.0	<0.50	<5.0	<5.0	<5.0	0.25	California Toxics Rule
Chlorobenzene	<5.0	<0.50	<5.0	<5.0	<5.0	70	Primary MCL
Chlorodibromomethane (Dibromochloromethane)	<0.50	<0.50	<5.0	<0.50	<0.50	0.401	California Toxics Rule
Chloroethane	<5.0	<0.50	<5.0	<5.0	<5.0	300	Primary MCL
2-Chloroethyl vinyl ether	<100	<0.50	<100	<100	<100		No Criteria Available
Chloroform	<5.0	<0.50	<5.0	<5.0	<5.0	5.7	National Toxics Rule
Chloromethane	<5.0	<0.50	<5.0	<5.0	<5.0	3	USEPA Health Advisory
Dichlorobromo-methane (Bromodichloromethane)	<0.50	<0.50	<5.0	<0.50	<0.50	0.56	California Toxics Rule
Dichloromethane (Methylene Chloride)	<5.0	<0.50	<50	<5.0	<5.0	4.7	California Toxics Rule
Ethylbenzene	28	<0.50	<5.0	**28**	**28**	300	Primary MCL
Tetrachloroethene	<5.0	<0.50	<5.0	<5.0	<5.0	0.8	National Toxics Rule
Toluene	10	<0.50	<5.0	**10**	**10**	150	Primary MCL
Trans-1,2 Dichloroethylene	<5.0	<0.50	<5.0	<5.0	<5.0	10	Primary MCL
Trichloroethene	<5.0	<0.50	<5.0	<5.0	<5.0	2.7	National Toxics Rule
Vinyl Chloride	<5.0	<0.50	<5.0	<5.0	<5.0	0.5	Primary MCL

Notes:
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Pesticides
Priority Toxic Pollutants Analytical Results
Plains Exploration and Production Co. - Arroyo Grande Oilfield

PESTICIDES	PRODUCED WATER SAMPLES					REGULATORY STANDARDS	
Chemical Constituent	**Sample A** 01/4/07 (µg/L)	**Sample B** 01/18/07 (µg/L)	**Sample C** 01/25/07 (µg/L)	Maximum Concentration Detection (µg/L)	Average Concentration of Detections (µg/L) [1]	Effluent Limit (µg/L or noted)	Basis
4,4'-DDD	<0.050	<0.050	<0.050	<0.050	<0.050	0.00083	California Toxies Rule
4,4'-DDE	<0.050	<0.050	<0.050	<0.050	<0.050	0.00059	California Toxics Rule
4,4'-DDT	<0.050	<0.050	<0.050	<0.050	<0.050	0.00059	California Toxics Rule
alpha-Endosulfan	<0.050	<0.050	<0.050	<0.050	<0.050	0.056 [C6]	California Toxics Rule
alpha-BHC	<0.050	<0.050	<0.050	<0.050	<0.050	0.0039	California Toxics Rule
Aldrin	<0.050	<0.050	<0.050	<0.050	<0.050	0.00013	California Toxics Rule
beta-Endosulfan	<0.050	<0.050	<0.050	<0.050	<0.050	0.056 [C6]	California Toxics Rule
beta-BHC	<0.050	<0.050	<0.050	<0.050	<0.050	0.014	California Toxics Rule
Chlordane	<1.0	<1.0	<1.0	<1.0	<1.0	0.00057	California Toxics Rule
delta-BHC	<0.050	<0.050	<0.050	<0.050	<0.050	__	No Criteria Available
Dieldrin	<0.050	<0.050	<0.050	<0.050	<0.050	0.00014	California Toxics Rule
Endosulfan Sulfate	<0.050	<0.050	<0.050	<0.050	<0.050	0.056	National Ambient Water Quality Criteria
Endrin	<0.050	<0.050	<0.050	<0.050	<0.050	0.036	California Toxics Rule
Endrin Aldehyde	<0.050	<0.050	<0.050	<0.050	<0.050	0.76	California Toxics Rule
Heptachlor	<0.050	<0.050	<0.050	<0.050	<0.050	0.00021	California Toxics Rule
Heptachlor Epoxide	<0.050	<0.050	<0.050	<0.050	<0.050	0.0001	California Toxics Rule
Lindane (gamma-BHC)	<0.050	<0.050	<0.050	<0.050	<0.050	0.019	California Toxics Rule
PCB 1016	<1.0	<1.0	<1.0	<1.0	<1.0	0.0001 [C7]	California Toxics Rule
PCB 1221	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
PCB 1232	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
PCB 1242	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
PCB 1248	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
PCB 1254	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
PCB 1260	<1.0	<1.0	<1.0	<1.0	<1.0	0.00017 [C7]	California Toxics Rule
Toxaphene	<5.0	<5.0	<5.0	<5.0	<5.0	0.0002	California Toxics Rule
2,3,7,8-TCDD (Dioxin)	<0.1505	<0.0767	<0.2146	<0.2146	<0.1472	1.30E-08	California Toxics Rule

Notes:
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C: Indicate a regulatory decision that the cited concentration is either necessary of sufficient for full protection of beneficial uses or indicate meaning of uncommon acronyms.
C1: - For haloethers
C2: - For nitrophenols
C3: - For chlorinated naphthalenes
C4: - For phthalate esters
C5: - For polynuclear aromatic hydrocarbons
C6: - Criteria for sum of alpha and beta forms

Inorganics
Priority Toxic Pollutants Analytical Results
Plains Exploration and Production Co. - Arroyo Grande Oilfield

INORGANICS	PRODUCED WATER SAMPLES					REGULATORY STANDARDS	
Chemical Constituent	**Sample A** 01/4/07 (µg/L)	**Sample B** 01/18/07 (µg/L)	**Sample C** 01/25/07 (µg/L)	Maximum Concentration Detection (µg/L)	Average Concentration of Detections (µg/L) [1]	Effluent Limit (µg/L or noted)	Basis
Antimony	<5.0	<5.0	<5.0	<5.0	<5.0	6	Primary MCL
Arsenic	<10	<10	<10	<10	<10	0.018	National Toxics Rule
Asbestos	<0.97	<0.48	<0.97	<0.97	<0.97	7 MFL[D]	California Toxics Rule
Beryllium	<2.0	<2.0	<2.0	<2.0	<2.0	4	Primary MCL
Cadmium	<0.50	<0.50	<0.50	<0.50	<0.50	1[G]	National Toxics Rule / CCWB's Basin Plan
Chromium III (chromium)	<10	<10	<10	<10	<10	50[H]	Primary MCL
Chromium VI (Chromium hexavalent)	<0.30	<0.30	5.5	**5.5**	**5.5**	10	National Toxics Rule
Copper	<5.0	<5.0	<5.0	<5.0	<5.0	9[G]	California Toxics Rule / National Toxics Rule
Cyanide	<0.05	<0.05	<0.05	<0.05	<0.05	5.2[G]	California Toxics Rule
Lead	<2.0	<2.0	<2.0	<2.0	<2.0	2.5[G]	California Toxics Rule
Mercury	<0.2	<0.2	<0.2	<2.0	<0.2	0.012	National Toxics Rule
Nickel	<20	<20	<20	<20	<20	52[G]	California Toxics Rule / CCWB's Basin Plan
Selenium	<5.0	<5.0	<5.0	<5.0	<5.0	5	California Toxics Rule
Silver	<1.0	<1.0	<1.0	<1.0	<1.0	3.4[G]	California Toxics Rule
Thallium	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	California Toxics Rule
Zinc	<20	<20	<20	<20	<20	100[G]	National Toxics Rule / CCWB's Basin Plan

Notes:
[1] If the method detection limit exceeds the regulatory standard, then "not detected" means the regulatory standard is met.
< = indicates less than the indicated detection limit

D: MFL is defined as Millions Fibers per Liter in the measurement of asbestos in water (EPA method 600/R-93/116). Its detection limits are at 0.2 MFL of length greater than 10 mincrons.
G: Criteria values for metals are expressed as a function of total hardness of 100 mg/L
H: For total Chromium

TWO PASS REVERSE OSMOSIS SYSTEM WATER QUALITY SUMMARY
PRODUCED WATER FIELD PILOT TEST PHASE II
PLAINS EXPLORATION AND PRODUCTION
ARROYO GRANDE FIELD
SAN LUIS OBISPO, CALIFORNIA
February 13-14, 2006

[1] PARAMETER	RO FEED	RO FEED WITH CONCENTRATE RECYCLE	RO REJECT	RO PERMEATE	AIR STRIPPED PERMEATE	[2] % REJECTION FEED	[2] % REJECTION FEED WITH RECYCLE
CALCIUM, PPM AS Ca	0.02	0.15	0.11	0.01	0.01	50.0%	93.3%
MAGNESIUM, PPM AS Mg	0.14	0.13	0.35	0.04	0.13	0.0%	0.0%
SODIUM, PPM AS Na	112.5	405	844	2.77	1.828	98.4%	99.6%
ALKLINITY, PPM AS HCO_3	20.7	20.7	41.5	8.3	8.3	59.9%	59.9%
CHLORIDE, PPM AS Cl	273	787	1,640	2.3	2.5	99.1%	99.7%
SILICA, PPM AS SiO_2	0.13	0.36	0.97	0.03	0.12	7.7%	66.7%
TOC, PPM AS C	2.3	19.8	19.6	1.7	0.8	65.2%	96.0%
AMMONIA, PPM N-NH_3	11.2	47.0	106.7	0.09	0.63	94.4%	98.7%
BORON, PPM AS B	0.04	0.09	0.2	0.02	0.003	92.5%	96.7%
SULFIDE, PPM AS S	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	N/A
TEMPERATURE, °F	69	69	70	70	63	N/A	N/A
pH	6.59	6.27	6.22	7.3	7.09	N/A	N/A
CONDUCTIVITY, µmhos/cm	818	2,490	6,050	14.28	15.50	98.1%	99.4%

GOING THRU THE PROCESS

NOTES:

[1] Parameters measured in the field at the time of sampling at each location on February 13-14, 2006.

NOTE: RO Bank run at low pH to simulate the second stage RO and to determine if the salt would drop out.

TABLE A15 TEST G
REVERSE OSMOSIS SYSTEM WATER QUALITY SUMMARY
CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. ANALYTICAL RESULTS
PRODUCED WATER FIELD PILOT TEST PHASE II
PLAINS EXPLORATION AND PRODUCTION
ARROYO GRANDE FIELD
SAN LUIS OBISPO, CALIFORNIA
February 21, 2006

[1] PARAMETER	RO FEED	RO FEED WITH CONCENTRATE RECYCLE	RO REJECT	RO PERMEATE	AIR STRIPPED PERMEATE	[2] % REJECTION FEED	[2] % REJECTION FEED WITH RECYCLE
CALCIUM, PPM AS Ca	0.415	0.808	1.05	< 0.100	< 0.100	75.9%	87.6%
MAGNESIUM, PPM AS Mg	< 0.100	< 0.100	0.148	< 0.100	< 0.100	N/A	N/A
SODIUM, PPM AS Na	1,440	2,940	3,880	122	103	92.9%	96.5%
POTASSIUM, PPM AS K	41.6	91.2	124	3.38	3.23	92.2%	96.5%
ALKALINITY, PPM AS CO_3	838	1,856	2,455	19.2	50.3	94.0%	97.3%
CHLORIDE, PPM AS Cl	500	1,000	1,500	6.4	6.9	98.6%	99.3%
SULFATE, PPM AS SO_4	13	25	34	1.7	1.8	86.2%	92.8%
SILICA, PPM AS SiO_2	152.0	347.0	484.0	0.184	0.164	99.9%	99.9%
TOC, PPM AS C	150	310	420	3.9	2.1	98.6%	99.3%
METHANE, PPM AS CH_3	0.022	0.025	0.024	0.016	< 0.001	95.5%	96.0%
ACETONE, PPM AS C_3H_6O	2.500	3.300	3.400	1.900	0.320	87.2%	90.3%
2-BUTANONE, PPM AS C_4H_8O	0.770	1.100	1.300	0.450	0.023	97.0%	97.9%
AMMONIA, PPM N-NH_3	9.6	9.7	9.9	9.3	3.0	68.8%	69.1%
BORON, PPM AS B	6.46	13.5	18.4	0.0611	0.0730	98.9%	99.5%
SULFIDE, PPM AS S	10	16	18	< 0.050	< 0.050	99.5%	99.7%
TEMPERATURE, °F	68	68	68	68	68	N/A	N/A
pH	12.16	12.27	12.33	11.92	11.73	N/A	N/A
CONDUCTIVITY, µmhos/cm	7,100	12,000	15,000	1,600	1,100	84.5%	90.8%

NOTES:

GOING THRU THE PROCESS

[1] Parameter analytical results reported by CalScience Environmental Laboratories based on sampling at each location on February 21, 2006.

[2] Reported rejection is based on the water quality stated in the air stripped permeate storage tank at the time of sampling.

Note: RO Bank run at high pH to verify Boron removal

TABLE A19 TEST H2
TWO PASS REVERSE OSMOSIS SYSTEM WATER QUALITY SUMMARY
CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. ANALYTICAL RESULTS
PRODUCED WATER FIELD PILOT TEST PHASE II
PLAINS EXPLORATION AND PRODUCTION
ARROYO GRANDE FIELD
SAN LUIS OBISPO, CALIFORNIA
February 13, 2006

[1] PARAMETER	RO FEED	RO FEED WITH CONCENTRATE RECYCLE	RO REJECT	RO PERMEATE	AIR STRIPPED PERMEATE	[2] % REJECTION FEED	[2] % REJECTION FEED WITH RECYCLE
CALCIUM, PPM AS Ca	< 0.100	< 0.100	0.101	< 0.100	< 0.100	N/A	N/A
MAGNESIUM, PPM AS Mg	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	N/A	N/A
SODIUM, PPM AS Na	111	371	932	2.07	1.96	98.2%	99.5%
POTASSIUM, PPM AS K	5.04	18.1	47.8	< 0.500	< 0.500	90.1%	97.2%
ALKALINITY, PPM AS HCO_3	3.0	5.0	5.0	3.0	2.0	33.3%	60.0%
CHLORIDE, PPM AS Cl	240	700	1,900	3.5	3.2	98.7%	99.5%
SULFATE, PPM AS SO_4	2.7	3.6	5.9	2.2	2.3	14.8%	36.1%
SILICA, PPM AS SiO_2	1.13	0.336	0.898	< 0.100	< 0.100	91.1%	70.2%
TOC, PPM AS C	4.2	7.9	16	2.1	1.1	73.8%	86.1%
METHANE, PPM AS CH_3	0.0014	0.0017	0.0011	< 0.001	< 0.001	N/A	N/A
✓ ACETONE, PPM AS C_3H_6O	2.600	5.600	9.600	2.100	0.500	80.8%	91.1%
✓ 2-BUTANONE, PPM AS C_4H_8O	0.550	1.400	2.800	0.320	0.056	89.8%	96.0%
AMMONIA, PPM N-NH_3	13	44	97	0.28	0.28	97.9%	99.4%
BORON, PPM AS B	0.0426	0.153	0.325	0.0398	0.0369	13.4%	75.9%
SULFIDE, PPM AS S	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	N/A	N/A
TEMPERATURE, °F	68	68	68	68	68	N/A	N/A
pH	7.54	6.88	6.53	8.54	7.85	N/A	N/A
CONDUCTIVITY, µmhos/cm	820	2,200	5,100	18	16	98.1%	99.3%

NOTES:

[1] Parameter analytical results reported by CalScience Environmental Laboratories based on sampling at each location on February 13, 2006.

[2] Reported rejection is based on the water quality stated in the air stripped permeate storage tank at the time of sampling.

NOTE: RO Bank run to verify acetone and 2-Butanone (MEK) removal in air stripper.

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