

Appendix 6-1

Summary of Reclaimed Water Quality Data

BSK ANALYTICAL LABORATORIES

Taylor Matteson
Kings River Conservation District
4886 E. Jensen
Fresno, CA 93725

Certificate of Analysis
NELAP Certificate #04227CA
ELAP Certificate #1180



Report Issue Date: 09/11/2006

BSK Submission #: 2006081458

BSK Sample ID #: 756821

Project ID:

Project Desc:

Submission Comments:

Sample Type: Liquid

Date Sampled: 08/17/2006

Sample Description: Sanger Domestic Waste Water Discharge via Sanger Waste Water Facility

Time Sampled: 1530

Sample Comments: At Lincoln Site post-Chlorination

Date Received: 08/17/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Alkalinity (as CaCO3)	SM 2320 B	89	mg/L	3	1	3	08/18/06	08/18/06
Aluminum (Al)	EPA 200.7	0.49	mg/L	0.05	1	0.05	08/23/06	08/23/06
Ammonia (NH3-N)	SM 4500-NH3 F	ND	mg/L	1	1	1	08/24/06	08/24/06
Antimony (Sb)	EPA 200.8	ND	µg/L	2	1	2	08/23/06	08/28/06
Arsenic (As)	EPA 200.8	ND	µg/L	2	1	2	08/23/06	08/28/06
Barium (Ba)	EPA 200.7	0.052	mg/L	0.05	1	0.05	08/23/06	08/23/06
Beryllium (Be)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Bicarbonate (as CaCO3)	SM 2320 B	89	mg/L	3	1	3	08/18/06	08/18/06
Boron (B)	EPA 200.7	0.20	mg/L	0.1	1	0.1	08/23/06	08/23/06
Bromide (Br)	EPA 300.1	0.031	mg/L	0.005	1	0.005	08/22/06	08/22/06
Cadmium (Cd)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Calcium (Ca)	EPA 200.7	24	mg/L	0.1	1	0.1	08/23/06	08/23/06
Carbonate (as CaCO3)	SM 2320 B	ND	mg/L	1	1	1	08/18/06	08/18/06
Chloride (Cl)	EPA 300.0	64	mg/L	1	1	1	08/18/06	08/18/06
Chromium - Total (Cr)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Color (A.P.H.A)	SM 2120 B	30	units	1	1	1	08/17/06 1734	08/17/06 1734
Conductivity - Specific (EC)	SM 2510 B	600	µmho/cm	1	1	1	08/18/06	08/18/06
Copper (Cu)	EPA 200.8	100	µg/L	50	1	50	08/23/06	08/28/06
Cyanide (CN)	SM 4500-CN-F	ND	µg/L	20	1	20	08/18/06	08/18/06
Fluoride	EPA 300.0	0.20	mg/L	0.1	1	0.1	08/18/06	08/18/06
Hardness (as CaCO3)	SM 2340 B	130	mg/L	1.0	1	1.0	09/06/06	09/06/06
Hydroxide (as CaCO3)	SM 2320 B	ND	mg/L	1	1	1	08/18/06	08/18/06
Iron (Fe)	EPA 200.7	0.30	mg/L	0.05	1	0.05	08/23/06	08/23/06
Langelier Index (Saturation Index)		-0.22	-	-	1	N/A	09/06/06	09/06/06
Lead (Pb)	EPA 200.8	ND	µg/L	5	1	5	08/23/06	08/28/06
Lithium (Li)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	09/01/06
Magnesium (Mg)	EPA 200.7	17	mg/L	0.1	1	0.1	08/23/06	08/23/06
Manganese (Mn)	EPA 200.7	0.060	mg/L	0.01	1	0.01	08/23/06	08/23/06
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	0.062	mg/L	0.05	1	0.05	08/18/06 07:15	08/18/06 07:15

mg/L: Milligrams/Liter (ppm)

mg/Kg: Milligrams/Kilogram (ppm)

µg/L: Micrograms/Liter (ppb)

µg/Kg: Micrograms/Kilogram (ppb)

%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit

DLR: Detection Limit for Reporting
: PQL x Dilution

ND: None Detected at DLR

pCi/L: Picocurie per Liter

H: Analyzed outside of hold time

P: Preliminary result

S: Suspect result. See Case Narrative for comments.

E: Analysis performed by External laboratory.

See External Laboratory Report attachments.

Report Authentication Code:



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BSK Sample ID #: 756821

Project ID:

Project Desc:

Submission Comments:

Sample Type: Liquid

Date Sampled: 08/17/2006

Sample Description: Sanger Domestic Waste Water Discharge via Sanger Waste Water Facility

Time Sampled: 1530

Sample Comments: At Lincoln Site post-Chlorination

Date Received: 08/17/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Mercury (Hg)	EPA 200.8	ND	µg/L	0.4	1	0.4	08/23/06	08/28/06
Molybdenum (Mo)	EPA 200.8	11	µg/L	10	1	10	08/23/06	08/28/06
Nickel (Ni)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Nitrate (NO3)	EPA 300.0	86	mg/L	1	1	1	08/18/06 13:41	08/18/06 13:41
Nitrite (NO2-N)	EPA 300.0	0.30	mg/L	0.05	1	0.05	08/18/06 13:41	08/18/06 13:41
Odor	SM 2150 B	1.0	TON	1	1	1	08/17/06 1734	08/17/06 1734
pH at 24.09°C	SM 4500-H+ B	7.6	Std. Unit	-	1	N/A	08/18/06 02:59	08/18/06 02:59
Phosphorus - Total (P)	EPA 365.4	4.0	mg/L	1	1	1	08/22/06	08/24/06
Potassium (K)	EPA 200.7	12	mg/L	2	1	2	08/23/06	08/23/06
Selenium (Se) - Total	EPA 200.8	ND	µg/L	2	1	2	08/23/06	08/28/06
Silica - Total (SiO2)	EPA 200.7	35	mg/L	0.2	1	0.2	08/23/06	08/31/06
Silver (Ag)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Sodium (Na)	EPA 200.7	71	mg/L	1	1	1	08/23/06	08/23/06
Strontium (Sr)	EPA 200.8	160	µg/L	1	1	1	08/23/06	08/28/06
Sulfate (SO4)	EPA 300.0	44	mg/L	2	1	2	08/18/06	08/18/06
Thallium (Tl)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Total Dissolved Solids (TDS)	SM 2540 C	420	mg/L	5	1	5	08/23/06	08/25/06
Turbidity	SM 2130 B	4.6	NTU	0.1	1	0.1	08/17/06 1734	08/17/06 1734
Zinc (Zn)	EPA 200.7	0.13	mg/L	0.05	1	0.05	08/23/06	08/23/06

mg/L: Milligrams/Liter (ppm)
 mg/Kg: Milligrams/Kilogram (ppm)
 µg/L: Micrograms/Liter (ppb)
 µg/Kg: Micrograms/Kilogram (ppb)
 %Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
 DLR: Detection Limit for Reporting
 : PQL x Dilution
 ND: None Detected at DLR
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Certificate of Analysis
 NELAP Certificate #04227CA
 ELAP Certificate #1180



Report Issue Date: 09/11/2006

BSK Submission #: 2006081525

BSK Sample ID #: 757125

Project ID:

Project Desc:

Submission Comments:

Sample Type: Liquid

Date Sampled: 08/18/2006

Sample Description: Parlier Domestic Waste Water via Parlier Waste Water Facility

Time Sampled: 0930

Sample Comments: Taken at PS3 Discharge.

Date Received: 08/18/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Alkalinity (as CaCO3)	SM 2320 B	190	mg/L	3	1	3	08/18/06	08/18/06
Aluminum (Al)	EPA 200.7	0.56	mg/L	0.05	1	0.05	08/23/06	08/23/06
Ammonia (NH3-N)	SM 4500-NH3 F	22	mg/L	1	1	1	08/24/06	08/24/06
Antimony (Sb)	EPA 200.8	ND	µg/L	2	1	2	08/23/06	08/28/06
Arsenic (As)	EPA 200.8	2.5	µg/L	2	1	2	08/23/06	08/28/06
Barium (Ba)	EPA 200.7	ND	mg/L	0.05	1	0.05	08/23/06	08/23/06
Beryllium (Be)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Bicarbonate (as CaCO3)	SM 2320 B	190	mg/L	3	1	3	08/18/06	08/18/06
Boron (B)	EPA 200.7	0.23	mg/L	0.1	1	0.1	08/23/06	08/23/06
Bromide (Br)	EPA 300.1	0.078	mg/L	0.005	2	0.010	08/22/06	08/22/06
Cadmium (Cd)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Calcium (Ca)	EPA 200.7	22	mg/L	0.1	1	0.1	08/23/06	08/23/06
Carbonate (as CaCO3)	SM 2320 B	ND	mg/L	1	1	1	08/18/06	08/18/06
Chloride (Cl)	EPA 300.0	45	mg/L	1	1	1	08/18/06	08/18/06
Chromium - Total (Cr)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Color (A.P.H.A)	SM 2120 B	100	units	1	5	5	08/18/06 1730	08/18/06 1730
Conductivity - Specific (EC)	SM 2510 B	610	µmho/cm	1	1	1	08/18/06	08/18/06
Copper (Cu)	EPA 200.8	76	µg/L	50	1	50	08/23/06	08/28/06
Cyanide (CN)	SM 4500-CN E	ND	mg/L	0.02	1	0.02	08/26/06	08/28/06
Fluoride	EPA 300.0	ND	mg/L	0.1	1	0.1	08/18/06	08/18/06
Hardness (as CaCO3)	SM 2340 B	65	mg/L	1.0	1	1.0	09/06/06	09/06/06
Hydroxide (as CaCO3)	SM 2320 B	ND	mg/L	1	1	1	08/18/06	08/18/06
Iron (Fe)	EPA 200.7	0.27	mg/L	0.05	1	0.05	08/23/06	08/23/06
Langelier Index (Saturation Index)		0.040	-	-	1	N/A	09/06/06	09/06/06
Lead (Pb)	EPA 200.8	ND	µg/L	5	1	5	08/23/06	08/28/06
Lithium (Li)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	09/01/06
Magnesium (Mg)	EPA 200.7	2.5	mg/L	0.1	1	0.1	08/23/06	08/23/06
Manganese (Mn)	EPA 200.7	0.013	mg/L	0.01	1	0.01	08/23/06	08/23/06
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	mg/L	0.05	5	0.25	08/18/06 15:50	08/18/06 15:50

mg/L: Milligrams/Liter (ppm)
 mg/Kg: Milligrams/Kilogram (ppm)
 µg/L: Micrograms/Liter (ppb)
 µg/Kg: Micrograms/Kilogram (ppb)
 %Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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Report Issue Date: 09/11/2006

BSK Submission #: 2006081525

BSK Sample ID #: 757125

Project ID:

Project Desc:

Submission Comments:

Sample Type: Liquid

Date Sampled: 08/18/2006

Sample Description: Parlier Domestic Waste Water via Parlier Waste Water Facility

Time Sampled: 0930

Sample Comments: Taken at PS3 Discharge.

Date Received: 08/18/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Mercury (Hg)	EPA 200.8	ND	µg/L	0.4	1	0.4	08/23/06	08/28/06
Molybdenum (Mo)	EPA 200.8	17	µg/L	10	1	10	08/23/06	08/28/06
Nickel (Ni)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Nitrate (NO3)	EPA 300.0	ND	mg/L	1	1	1	08/18/06 17:44	08/18/06 17:44
Nitrite (NO2-N)	EPA 300.0	0.10	mg/L	0.05	1	0.05	08/18/06 17:44	08/18/06 17:44
Odor	SM 2150 B	20	TON	1	1	1	08/18/06 1730	08/18/06 1730
pH at 24.22°C	SM 4500-H+ B	7.8	Std. Unit	-	1	N/A	08/18/06 18:37	08/18/06 18:37
Phosphorus - Total (P)	EPA 365.4	5.0	mg/L	1	1	1	08/23/06	08/24/06
Potassium (K)	EPA 200.7	9.2	mg/L	2	1	2	08/23/06	08/23/06
Selenium (Se) - Total	EPA 200.8	ND	µg/L	2	1	2	08/23/06	08/28/06
Silica - Total (SiO2)	EPA 200.7	25	mg/L	0.2	1	0.2	09/01/06	09/01/06
Silver (Ag)	EPA 200.8	ND	µg/L	10	1	10	08/23/06	08/28/06
Sodium (Na)	EPA 200.7	63	mg/L	1	1	1	08/23/06	08/23/06
Strontium (Sr)	EPA 200.8	190	µg/L	1	1	1	08/23/06	08/28/06
Sulfate (SO4)	EPA 300.0	33	mg/L	2	1	2	08/18/06	08/18/06
Thallium (Tl)	EPA 200.8	ND	µg/L	1	1	1	08/23/06	08/28/06
Total Dissolved Solids (TDS)	SM 2540 C	300	mg/L	5	1	5	08/24/06	08/28/06
Turbidity	SM 2130 B	34	NTU	0.1	5	0.5	08/18/06 1730	08/18/06 1730
Zinc (Zn)	EPA 200.7	0.065	mg/L	0.05	1	0.05	08/23/06	08/23/06

mg/L: Milligrams/Liter (ppm)
 mg/Kg: Milligrams/Kilogram (ppm)
 µg/L: Micrograms/Liter (ppb)
 µg/Kg: Micrograms/Kilogram (ppb)
 %Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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