

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: D6K200113 Pioneer Natural Resources USA, Inc. PAGE 1
 Raton Basin Wells Date Reported: 11/30/06
 Project Number: 35000210
 REPORTING ANALYTICAL
 LIMIT UNITS METHOD

Client Sample ID: SANCHINATOR MW

Sample #: 001 Date Sampled: 11/18/06 13:45 Date Received: 11/20/06 Matrix: WATER

Inductively Coupled Plasma (ICP) Metals					Reviewed
PARAMETER	RESULT	LIMIT	UNITS	METHOD	
Silver	ND	0.010	mg/L	MCAWW 200.7	
Calcium	3.1	0.20	mg/L	MCAWW 200.7	
Cadmium	ND	0.0050	mg/L	MCAWW 200.7	
Chromium	0.012	0.010	mg/L	MCAWW 200.7	
Iron	12.7	0.10	mg/L	MCAWW 200.7	
Magnesium	1.3	0.20	mg/L	MCAWW 200.7	
Manganese	0.18	0.010	mg/L	MCAWW 200.7	
Sodium	95.6	5.0	mg/L	MCAWW 200.7	
Zinc	0.020 L	0.020	mg/L	MCAWW 200.7	
Copper	Dissolved ND	0.010	mg/L	MCAWW 200.7	
Manganese	Dissolved 0.12	0.010	mg/L	MCAWW 200.7	
Zinc	Dissolved 0.023	0.020	mg/L	MCAWW 200.7	

Inductively Coupled Plasma (ICP) Metals					Reviewed
PARAMETER	RESULT	LIMIT	UNITS	METHOD	
Boron	ND	0.050	mg/L	SW846 6010B	
Calcium	3.1	0.20	mg/L	SW846 6010B	
Iron	12.5	0.10	mg/L	SW846 6010B	
Potassium	ND	3.0	mg/L	SW846 6010B	
Magnesium	1.3	0.20	mg/L	SW846 6010B	
Sodium	89.7	5.0	mg/L	SW846 6010B	

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

Dissolved Gases in Water					Reviewed
PARAMETER	RESULT	LIMIT	UNITS	METHOD	
Methane	1400	50	ug/L	RSK SOP-175	
Ethane	ND	50	ug/L	RSK SOP-175	
Ethene	ND	50	ug/L	RSK SOP-175	

Extractable Petroleum Hydrocarbons					Reviewed
PARAMETER	RESULT	LIMIT	UNITS	METHOD	
Diesel Range Organics	ND	0.16	mg/L	SW846 8015B	

Volatiles by GC					Reviewed
PARAMETER	RESULT	LIMIT	UNITS	METHOD	
Benzene	ND	0.50	ug/L	SW846 8021B	
Ethylbenzene	ND	0.50	ug/L	SW846 8021B	

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Lot #: D6K200113 Pioneer Natural Resources USA, Inc. Raton Basin Wells Date Reported: 11/30/06 PAGE 2
Project Number: 35000210

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
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Client Sample ID: SANCHINATOR MW

Sample #: 001 Date Sampled: 11/18/06 13:45 Date Received: 11/20/06 Matrix: WATER

Volatiles by GC					Reviewed
Toluene	ND	0.50	ug/L	SW846 8021B	
Xylenes (total)	ND	0.50	ug/L	SW846 8021B	

Inorganic Analysis					Reviewed
Carbonate Alkalinity	32.1	5.0	mg/L	MCAWW 310.1	
Bicarbonate Alkalinity	138	5.0	mg/L	MCAWW 310.1	
Hydroxide Alkalinity	ND	5.0	mg/L	MCAWW 310.1	
Alkalinity	170	5.0	mg/L	MCAWW 310.1	
N-Hexane Extractable Material (1664A)	ND	5.0	mg/L	CFR136A 1664A HEM	
Bromide	ND	0.20	mg/L	MCAWW 300.0A	
Chloride	8.0	1.0	mg/L	MCAWW 300.0A	
Fluoride	8.3	0.20	mg/L	MCAWW 300.0A	
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	
Sulfate	ND	5.0	mg/L	MCAWW 300.0A	
pH (Electrometric)	9.2	0.10	No Units	MCAWW 150.1	
Sulfide (Colorimetric, MB)	ND	0.050	mg/L	MCAWW 376.2	
Filterable Residue (TDS)	245	10.0	mg/L	MCAWW 160.1	
Non-Filterable Residue (TSS)	141 Q	10.0	mg/L	MCAWW 160.2	
Resistivity	26.0	0.00020	ohm-m	MCAWW 120.1	
Specific Gravity	1.00	0.000100	--	ASTM D1429	

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Client Sample ID: TRIP BLANK

Sample #: 002 Date Sampled: 11/18/06 13:45 Date Received: 11/20/06 Matrix: WATER

Volatiles by GC					Reviewed
Benzene	ND	0.50	ug/L	SW846 8021B	
Ethylbenzene	ND	0.50	ug/L	SW846 8021B	
Toluene	ND	0.50	ug/L	SW846 8021B	
Xylenes (total)	ND	0.50	ug/L	SW846 8021B	