

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

May 12, 1998

Ms. Zofia Sliwinski
Coulhurst Management and Investment, Inc.
P.O. Box 849
Cuba, New Mexico 87013

(505) 289-3491

Project No.: 98046-01

Dear Ms. Sliwinski,

C-33-18W-03W
Enclosed are the analytical results for the sample collected from the location designated as "Erin #2". One water sample was collected by Coulhurst Management designated personnel on 05/07/98, and received by the Envirotech laboratory on 05/07/98 for WQCC Anion/Cation analysis, WQCC Trace Metals analysis, and Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) analysis.

The sample was documented on Envirotech Chain of Custody No. 5886 and assigned Laboratory No. D239 for tracking purposes.

The sample was analyzed on 05/08/98 through 05/11/98 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

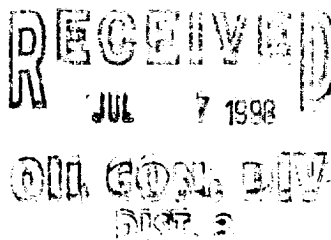
Stacy W. Sandler

Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

96046/96046-01.lb1/wpd



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CATION / ANION ANALYSIS

Client:	Coulhurst Management & Invest.	Project #:	98046-01
Sample ID:	Erin #2 Sep Pipe #2	Date Reported:	05-11-98
Laboratory Number:	D239	Date Sampled:	05-07-98
Chain of Custody:	5886	Date Received:	05-07-98
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	05-08-98
Condition:	Cool & Intact		

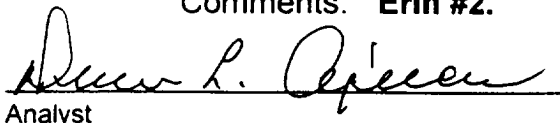
Parameter	Analytical Result	Units	Units
pH	8.55	s.u.	
Conductivity @ 25° C	3,150	umhos/cm	
Total Dissolved Solids @ 180C	1,575	mg/L	
Total Dissolved Solids (Calc)	1,561	mg/L	
SAR	131	ratio	
Total Alkalinity as CaCO3	1,125	mg/L	
Total Hardness as CaCO3	4.0	mg/L	
Bicarbonate as HCO3	1,125	mg/L	18.44 meq/L
Carbonate as CO3	<1	mg/L	0.00 meq/L
Hydroxide as OH	<1	mg/L	0.00 meq/L
Nitrate Nitrogen	9.0	mg/L	0.15 meq/L
Nitrite Nitrogen	0.027	mg/L	0.00 meq/L
Chloride	225	mg/L	6.35 meq/L
Fluoride	1.01	mg/L	0.05 meq/L
Phosphate	33.9	mg/L	1.07 meq/L
Sulfate	6.3	mg/L	0.13 meq/L
Calcium	1.60	mg/L	0.08 meq/L
Magnesium	<0.01	mg/L	0.00 meq/L
Potassium	1.70	mg/L	0.04 meq/L
Sodium	600	mg/L	26.10 meq/L
Cations			26.22 meq/L
Anions			26.19 meq/L

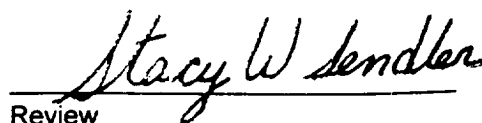
Cation/Anion Difference

0.14%

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Erin #2.


Analyst


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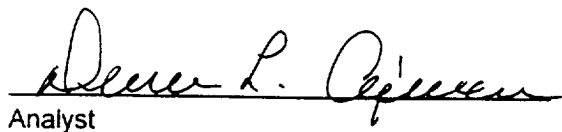
Client:	Coulhurst Management & Inv.	Project #:	98046-01
Sample ID:	Erin #2 Sep Pipe #2	Date Reported:	05-12-98
Laboratory Number:	D239	Date Sampled:	05-07-98
Chain of Custody:	5886	Date Received:	05-07-98
Sample Matrix:	Water	Date Analyzed:	05-11-98
Preservative:	Cool	Date Digested:	05-11-98
Condition:	Cool & Intact	Analysis Needed:	Trace Metals

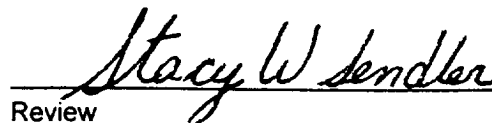
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Arsenic	ND	0.0001
Barium	4.61	0.001
Cadmium	ND	0.0001
Chromium	ND	0.0001
Copper	0.09	0.01
Iron	0.296	0.001
Lead	ND	0.0001
Manganese	0.95	0.01
Mercury	ND	0.0001
Selenium	ND	0.0001
Silver	ND	0.0001
Zinc	0.05	0.01

ND - Parameter not detected at the stated detection limit.

References: Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December
Standard Methods for the Examination of Water and Waste Water, 18th Edition.

Comments: Erin #2.


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TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

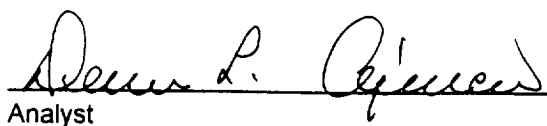
Client:	QA/QC	Project #:	N/A
Sample ID:	05-11-TM QA/QC	Date Reported:	05-12-98
Laboratory Number:	D239	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	05-11-98
Condition:	N/A	Date Digested:	05-11-98

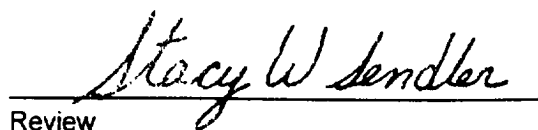
Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	4.61	4.60	0.1%	0% - 30%
Cadmium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Copper	ND	ND	0.01	0.09	0.09	0.0%	0% - 30%
Iron	ND	ND	0.001	0.296	0.297	0.3%	0% - 30%
Lead	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Manganese	ND	ND	0.01	0.95	0.95	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Zinc	ND	ND	0.01	0.05	0.05	0.0%	0% - 30%

ND - Parameter not detected at the stated detection limit.

References: Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996
Standard Methods for the Examination of Water and Waste Water, 18th Edition.

Comments: QA/QC for sample D239.


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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Coulhurst Management	Project #:	98046-01
Sample ID:	Erin #2 Sep Pipe #2	Date Reported:	05-08-98
Chain of Custody:	5886	Date Sampled:	05-07-98
Laboratory Number:	D239	Date Received:	05-07-98
Sample Matrix:	Water	Date Analyzed:	05-08-98
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	5.4	5	0.9
Toluene	15.1	5	0.8
Ethylbenzene	7.3	5	0.8
p,m-Xylene	72.4	5	1.1
o-Xylene	10.5	5	0.5

Total BTEX 111

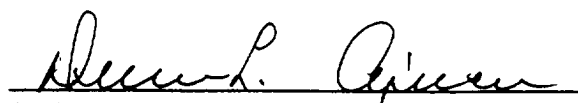
ND - Parameter not detected at the stated detection limit.

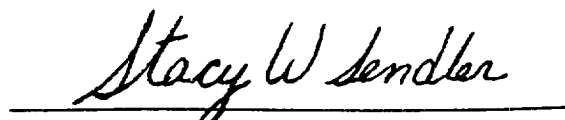
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Erin #2.


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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	0508BTEX QA/QC	Date Reported:	05-08-98
Laboratory Number:	D241	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-08-98
Condition:	N/A	Analysis:	BTEX

Benzene	1.1478E-02	1.1490E-02	0.1%	ND	0.2
Toluene	1.2473E-02	1.2535E-02	0.5%	ND	0.2
Ethylbenzene	2.5410E-02	2.5615E-02	0.8%	ND	0.2
p,m-Xylene	2.1175E-02	2.1389E-02	1.0%	ND	0.2
o-Xylene	1.8658E-02	1.8827E-02	0.9%	ND	0.1

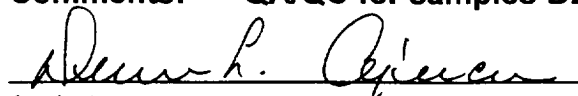
Benzene	ND	ND	0.0%	0 - 30%	8.8
Toluene	15.5	15.5	0.0%	0 - 30%	8.4
Ethylbenzene	ND	ND	0.0%	0 - 30%	7.6
p,m-Xylene	47.9	48.0	0.2%	0 - 30%	10.8
o-Xylene	36.1	36.5	1.1%	0 - 30%	5.2

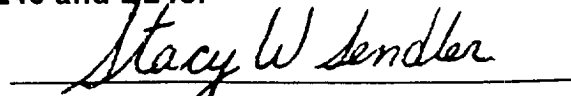
Spike Conc.	Unspiked	Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.7	99%	39 - 150
Toluene	15.5	50.0	65.2	100%	46 - 148
Ethylbenzene	ND	50.0	49.7	99%	32 - 160
p,m-Xylene	47.9	100.0	147	100%	46 - 148
o-Xylene	36.1	50.0	85.8	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples D239, D241 - D246 and D248.


Analyst


Review

1. Ag, Cu,
2. Zn, Hg
4. In