Page Number: 10 of 14 Order Number: A02060513 Report Date: June 20, 2002 Alto State #2 Chavez Co., New Mexico Alto State #2 Clean Up 731-1910 Laboratory Control Spikes QC20867 QCBatch: Spike % Rec RPD Matrix Amount LCS LCSD Limit Limit RPD % Rec Result Added Units Dil. Result Result Param 74 - 110 200 82 <10.0 2501 203 mg/Kg TRPHC 205 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. QC20868 Laboratory Control Spikes QCBatch: Spike RPD % Rec Amount Matrix LCSLCSD Limit RPD Limit % Rec Result Units Dil. Added Result Result Param 20 82 Ũ 74 - 110 250< 10.0mg/Kg 205 203 1 TRPHC Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. QC21180 Laboratory Control Spikes QCBatch: Spike RPD % Rec Amount Matrix LCS LCSD Limit RPD Limit Added Result % Rec Dil Units Result Result Param 20 90 - 110 0 12.50< 1.0216 1 27.22mg/Kg 27.09 Chloride

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

## Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes

and the second

QCBatch: QC20785

					$\mathbf{Spike}$				~ -	סמס
	MS	MSD			$\operatorname{Amount}$	Matrix			$\% { m Rec}$	RPD
- Param	Result	Result	Units	Dil.	$\operatorname{Added}$	$\operatorname{Result}$	$\% { m Rec}$	RPD	Limit	Limit
		0.92	mg/Kg	10	1	< 0.010	98	6	70 - 130	20
Benzene	0.981				1	0.0776	95	7	70 - 130	20
Toluene	1.03	1.1	mg/Kg	10	1	< 0.0110	93	ว	70 - 130	20
Ethylbenzen	ne 0.936	0.916	m mg/Kg	10	1			1	70 - 130	20
M,P,O-Xyle	ne 2.76	2.72	m mg/Kg	10	3	<0.010	92	1	10 - 130	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Sumorata	${ m MS} { m Result}$	${ m MSD}$ Result	Units	Dilution	Spike Amount	${ m MS}$ ${ m Rec}$	MSD % Rec	Recovery Limits
Surrogate		0.976	mg/Kg	10	1	95	97	70 - 130
	$\begin{array}{c} 0.958 \\ 0.918 \end{array}$	0.910	mg/Kg	10	1	91	92	70 - 130
4-BFB	0.910	0.521						

## Matrix Spikes

QCBatch: QC20855

<sup>7</sup>Blank soil is subtracted from the blank spikes. Blank soil = 15.88; %EA = 90 and RPD = 0. <sup>8</sup>Blank soil is subtracted from the blank spikes. Blank soil = 15.88; %EA = 90 and RPD = 0.