

Report Date: June 20, 2002
731-1910

Order Number: A02060513
Alto State #2 Clean Up

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Alto State #2 Chavez Co., New Mexico

Laboratory Control Spikes

QCBatch: QC20867

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	205	203	mg/Kg	1	250	<10.0	82	0	74 - 110	20

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

Laboratory Control Spikes

QCBatch: QC20868

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	205	203	mg/Kg	1	250	<10.0	82	0	74 - 110	20

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

Laboratory Control Spikes

QCBatch: QC21180

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁷ 27.09	⁸ 27.22	mg/Kg	1	12.50	<1.0	216	0	90 - 110	20

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

QCBatch: QC20785

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	0.981	0.92	mg/Kg	10	1	<0.010	98	6	70 - 130	20
Toluene	1.03	1.1	mg/Kg	10	1	0.0776	95	7	70 - 130	20
Ethylbenzene	0.936	0.916	mg/Kg	10	1	<0.010	93	2	70 - 130	20
M,P,O-Xylene	2.76	2.72	mg/Kg	10	3	<0.010	92	1	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	0.958	0.976	mg/Kg	10	1	95	97	70 - 130
4-BFB	0.918	0.921	mg/Kg	10	1	91	92	70 - 130

Matrix Spikes

QCBatch: QC20855

⁷Blank soil is subtracted from the blank spikes. Blank soil = 15.88; %EA = 90 and RPD = 0.

⁸Blank soil is subtracted from the blank spikes. Blank soil = 15.88; %EA = 90 and RPD = 0.