

Determination of Surrogate Recovery QC Limits for Method 8270
Laboratory: New Mexico Dept. of Health, State Laboratory Division

Instrument: Varian CP-3800 / Saturn 2000

Date: 12/11/09

Prepared by: Kristin Cochran

Saturn data from 2/18/2009 to 11/26/2009

Statistical Analysis	Nitrobenzene-D5	2-Fluorophenyl	Terphenyl-D14	2-Fluorophenol	Phenol-D6	2,4,6- Tribromophenol
Average	12.8	12.6	16.9	17.4	12.4	29.2
Standard Deviation	2.71	2.36	3.24	4.49	3.07	5.66
Mean Minus 3SDs	4.7	5.6	7.1	3.9	3.2	12.2
Mean Plus 3SDs	20.9	19.7	26.6	30.9	21.6	46.2
Average Recovery	64.0%	63.2%	84.3%	43.5%	30.9%	73.1%
Lower Recovery Limit	23.4%	27.8%	35.7%	9.8%	7.9%	30.6%
Upper Recovery Limit	104.6%	98.6%	132.9%	77.2%	53.9%	115.6%
RSD	21.2%	18.7%	19.2%	25.8%	24.8%	19.4%