DATA QUALITY INDICATOR (DQI) MEASUREMENT PERFORMANCE CRITERIA EXAMPLE TABLE

Matrix	Ground Water		
Analytical Parameter	VOA		
Concentration Level	Low		
Analytical Method #	EPA Method 8260B		
Data Quality Indicator (DQI)	**Measurement Performance Criteria**	**QC Sample and/or Activity Used to Assess Measurement Performance**	**QC Sample to Assess Error for Sampling (S), Analytical (A) or Both (S&A)**
Precision-Overall	RPD$\leq$30% when VOC detects for both field duplicate samples are $\geq$ QL. RPD $\leq$ 40% when gaseous VOC detects for both field duplicate samples are $\geq$ QL.	Field Duplicates	S + A
Precision-Lab	RPD $\leq$ 20% when VOC detects for both laboratory duplicate samples are $\geq$ QL. RPD $\leq$ 30% when gaseous VOC detects for both laboratory duplicate samples are $\geq$ QL.	Matrix Spike/Matrix Spike Duplicates	A
Accuracy/Bias	$\pm$20% VOCs except volatile gases $\pm$40%	Matrix Spike/Matrix Spike Duplicates	A
Accuracy/Bias	No false negatives, no false positives, quantitation within warning limits ($\pm$20&)	Single/Double Blind PEs	A
Accuracy/Bias-Contamination	No target compounds $\geq$ QL	Equipment Blanks, Trip Blanks, Method Blanks & Instrument Blanks	S + A
Sensitivity	$\pm$40% @ QL	Laboratory Fortified Blank @ QL	A
Data Completeness	90-95%	# of valid samples	S