A		Site	Need larger print, more details, definitions, and labels.	
B		CS	Blockage in stack?, Tmperature sensor?.	
B	433	1	Should be summarized, not copied, will need 10 ppb resolutiuon, title?, Calibrate twice/day	
B	434	3	blanks, purging, correction for water, specific hazardous and material proceedure. Adsorption? Specific	
B	434	8.2.1	F-10-18?, 3samples	good 3 samples depends on accuracy of samples.
B	434	8.2.1.1.1.1	Tube adsorption?	
B	434	8.2.1.1.1.4	Adsorption organic vapors on C.	
B	434	8.2.1.1.2	Need samples across flame, 1-2 m above visible flame, purge 3 times, isokinetic samples,particularly with particulates.	
B	434	8.2.1.2	Should pump be shut off?	
B	434	8.2.1.4.1	Explosive?, Dilution?	
B	435	8.2.1.5.1	GC procedures	
B	435	8.2.1.5.2.1	Yes, Three gases	
B	435	8.2.1.5	Saturated?	
B	435	8.2.2.1.9	Gas adsorption on C	
B	436	8.2.2.2	3 gas volumn purge	
B	437	8.2.3.2.1	Reference to large numbered section is confusing?	
B	437	8.2.4	R?	
B	437	8.2.4.1.1	Adsorption?	
B	437	8.2.4.2.2	Boundary layer	
B	437		Delta P for sonic ~2 times	
B	437	8.2.4.2.2	or other adsorption gases.	
B	438	8.2.4.3	Not a good procedure. There are may source of error than calibration gas.	
B	439	8.4.3	factor recovered?	
B	439	10.1	Good for calibration gases.	
B	439	9	Seems out of place	
B	439	10.2	Flush flow rate at 30 minutes.	
B	440	11.1.1.4.2	Should need bout	ed about 3 times the puge gas as the loop's volumn.
B	442	12.1	RSD a good valie.	
B	442	16.1.1.2	Adsorption surface area.	

B	442	16.1.1.7	Syringes good.	
B	443	16.1.1.19	SS?, Boundary layer?	
B	43	16.1.3.1	humidity?	
	6	App. Pg.	Spellicy appears twice.	
A-1	1	T of C	Good table of contents.	
A-2	1	A4.1-11	Very detailed, maybe too complex.	
A-4	8-Jul	A4.11	Good statistical Evaluation.	
A4	11		Good flow chart, maybe too complex.	
A4	1	A5.1	Overall problem and objectives.	
A5	1	TCBO 2007	Can change formula used. Remote testing needed.	
A5	2	Study Ob	5. Determine the minimum CE at whch the remote sensing technique	
A5			gives the same value as the accrpted technique.	
			6. Determine the uncertainty of the results through standard statistical analysis.	
	1	B1.1	Composition of flare gas?	
B1	1	B1.2	Determine limit of measurement with acceptable accuracy.	
B1	1	B1.3	Will the emission of the test flare be expected to alter the ay	
B1	1	B2	Need objective: Good sampling proceedure	
B2	1	B2.1.1	Good data list.	
B2	1	B2.1.1	What about wake flames?	
B2	1	B2.1.2	Withdrawn samples should be based on CE at different heights.	
B2	1	B2.1.2	Need support of movies.	
B2	2	B2A	Formaldehyde is difficult to measure,	
B2	2	B2A	Separate by Ft/MW, need cloumn.	
B2	3	B2.1.3	Is this a emission spectrometer.	
B2	3	B2.1.3	Where does Cl come from?	
B2	3	B2.1.3	Need PAC,Soot, and BETX.	
B2	4	B2.1.4	Soot?	
B2	4	B2.1.5	Time resolution?~ 5 ms.	
B2	4	B2.1.5	Is 150 Ft good enough?	
B2	4	B.1.5	PAC, HRVOC, BTEX?	
B2	5	B2.1.6	CE>98%	
B2	5	B2.1.6	10 m too short? Concentration of emissions in air?	
B2	6	B2.2.1	Calibrate for components other than C3H8? Sample has H2O?	
B2	6	B2.3	Verify equipment is working properly?	
B2	6	B2.3	Good, document and report all suspected problems.	

B2	1	B3.1.1	Validate samples?	
B3	1	B3.1.2	Calibrat equipment at the start and finish of the day?	
B3	2	B3.1.7	Good on reporting instrument calibration.	
B3	1	B4.1.1	Need exact analytical techniques.	
B4	1	B5	Good on Uncertainty, effects, Sample contributions, Qualitative performance. Qualitative perforemce twice?	
B5			Need performance of calibration.	
	1	B5.1	Only flow? Need time integration for about 1 sec. What is the design of the probe? Is it isokinetic?	
B5	1	B5.2	Good on field check.	
B5	2	B5.4	Where is appendix H?	
B5	2	B5.5	Good on sky background.	
B5	2	B5.6	Why are no quality checks available?	
B5	1	B6.2	Check meterological data?	
B6	1	B6.2.4-5	Why are no checks available.	
B6	2	B6.4	Good on stock of spare parts.	
B6	1	B7	Good introduction.	
B7	1	B7.1.2	Where is calibration frequency?	
B7	1	B7.1.3	No calibration in-situ?	
B7	1	B7..5	Good on laboratoy and field calibration.	
B7	3	B7.2.7	The rest of the components of inefficiency?	
B7	1	B8.2	Replace are with shall be?	
B8	1	B10	What program?	
B10	1	B10.1	add will continue, include all data?	
B10	1	B10.1	add will continue, include all data?	
B10	2	B10.6-7	Do not invalidate any data.	
B10	1	C1.1	Explain audits?	
C1	1	C1.2-1.2.1	What is included in checklist?	
C1	2	C1.3	Good checks.	
C1	2	C1.3.1.3	Good completeness.	
C1	1	C2.1	Why no QA reports?	
C3	1	C2.3.1	Good on Ten Minutes.	en or twenty minute time.
C3	1	C2.4	Good on reporting.	
C3	1	D1.1	Good on data validation.	
D1	1	D1.1.1	Good on correction.	
D1	2	D1.2	There are 7 subcontracts, need central collection of data.	
D1	1	D2	Good on data validation.	
D2	2	D2.8	Do not reject any data, but hold all data and explain, if possible, any discrepency.	
D2	1	D3.1	Good on detection limits.	
D3	1	D3.2	Good on data precision.	

D3