

"Pinpoint" Colormetric developer, ADP-219

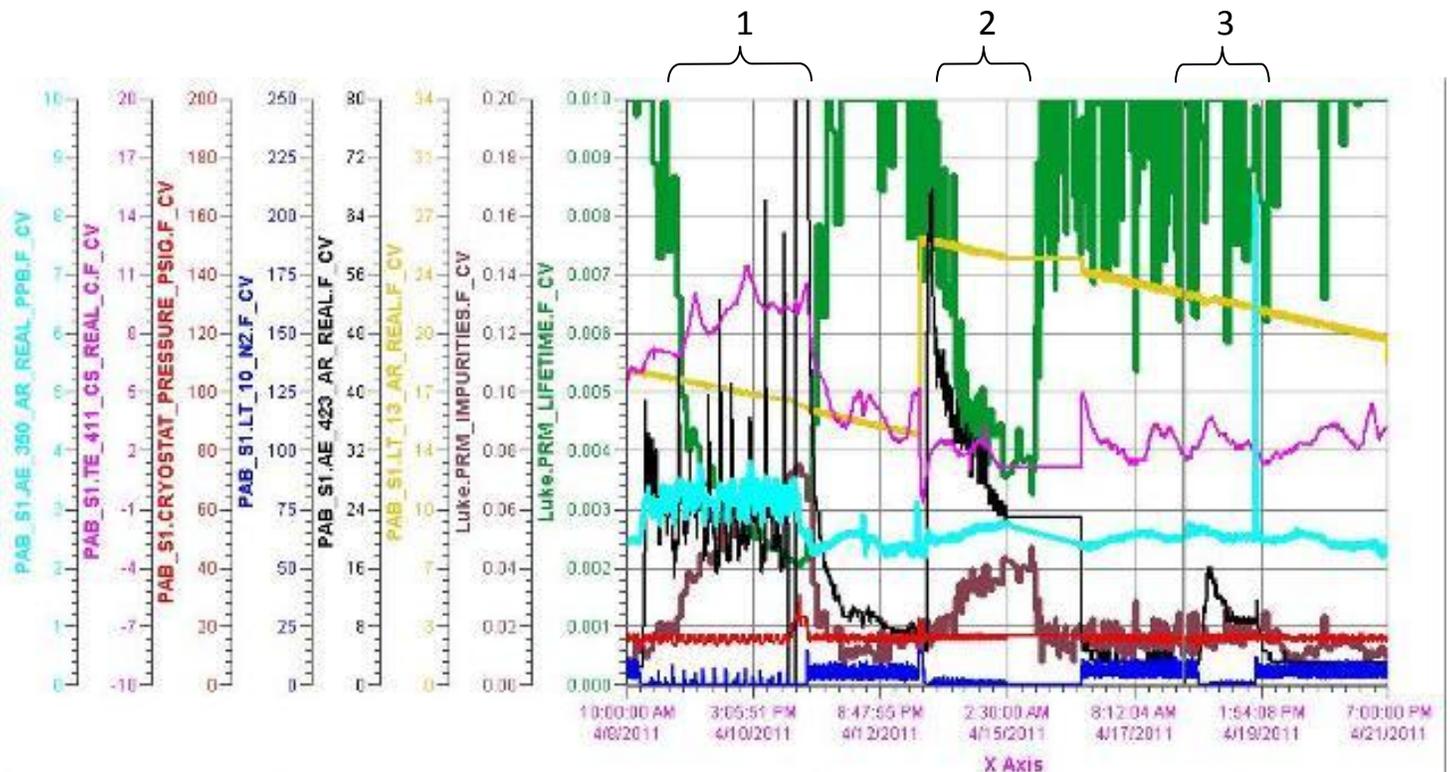
4/13/2011 – 4/21/2011

Date of Receipt	4/27/10 , logbook entry # 1722
Sample Name/Description	"Pinpoint" Colormetric developer, ADP-219 by American gas & chemical co ltd, Aerosol spray
Sample	
Composition:	Trade Secret
Picture Location:	data base
Weight:	x
Dimensions/Area:	powder, look at the picture
Source:	Russ Rucinski
Preparation:	Sprayed inside the stainless cup
Submerging in LAr or LH2	no
Time in the airlock(hrs)	
Purge:	24 h purged from the bottle and 1 h from Luke
Vacuum:	
Room Temperature	
Start Time/Date, End Time/Date :	4/13/2011 3:30 pm, 4/15/2011
PrM run # :	12232
Condenser state:	on
Filter state:	off
O2 reading:	increased by 0.3-0.4 ppb
H2O reading:	increased from 7 to 65 ppb, then stabilized at 32 ppb
Lifetime:	3.5-4 ms
Vapor Test	
Start Time/Date, End Time/Date :	4/18/2011 , 4/21/2011 11:30 am
PrM run # :	12373
Condenser state:	on
Filter state/settings:	off
O2 reading:	no increase
H2O reading:	from 3 to 15.5 ppb, then stayed at 9 ppb
Temperature:	210 K
Lifetime:	>6 ms
Liquid level	22.7 to 21.7 inches
Results/comments	

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1. Zero test.
2. Room temperature test.
3. Vapor test.

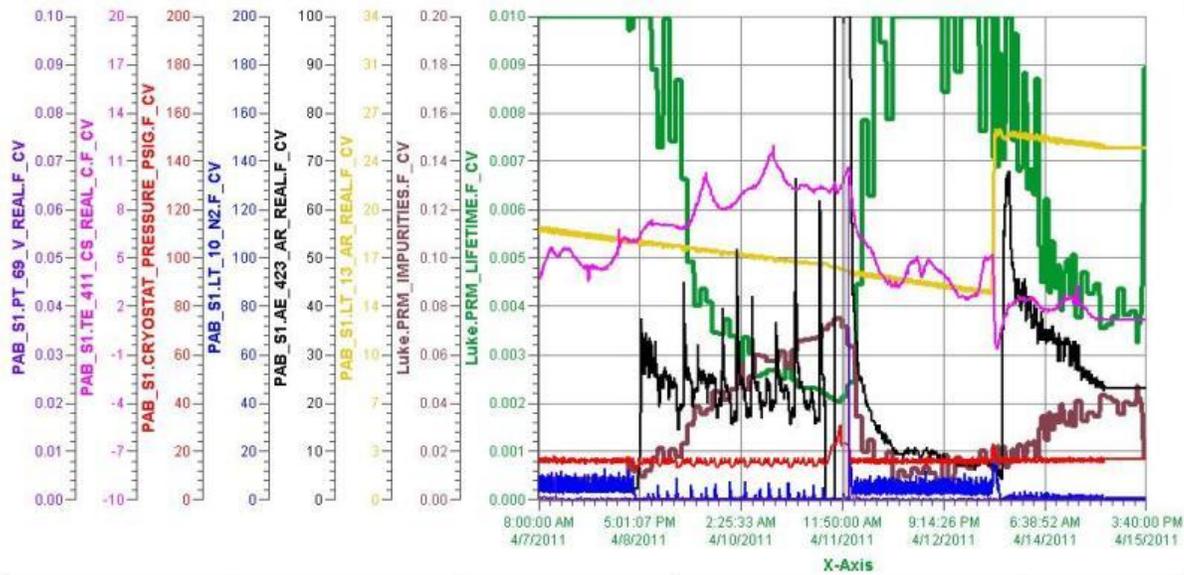
(black line is water, green line is electron lifetime)



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.01533	sec	0.02000	0.00201
— Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.0098	imps	0.0745	0.0075
— PAB_S1.LT_13.AR.REAL.F_CV	Luke Argon Level Probe	22.7	inches	26.1	14.4
— PAB_S1.AE_423.AR.REAL.F_CV	HALO H2O meter (F_CV)	3.0	opb	3,310.4	0.0
— PAB_S1.LT_10.N2.F_CV	Luke Condenser LN2 Level Pro...	3.2	inches	14.4	-0.0
— PAB_S1.CRYOSTAT_PRESSURE.PSIO.F_CV	Luke Vapor Pressure	15.8	psig	30.5	12.5
— PAB_S1.TE_411_CS_REAL.F_CV	TC on Luke top flange (F_CV)	1.6	C	11.5	-0.7
— PAB_S1.AE_350.AR.REAL.F_CV	opb version for aldicting (F_CV)	3	opb	6	2

4/8/2011 10:00:00 AM 4/21/2011 7:00:00 PM

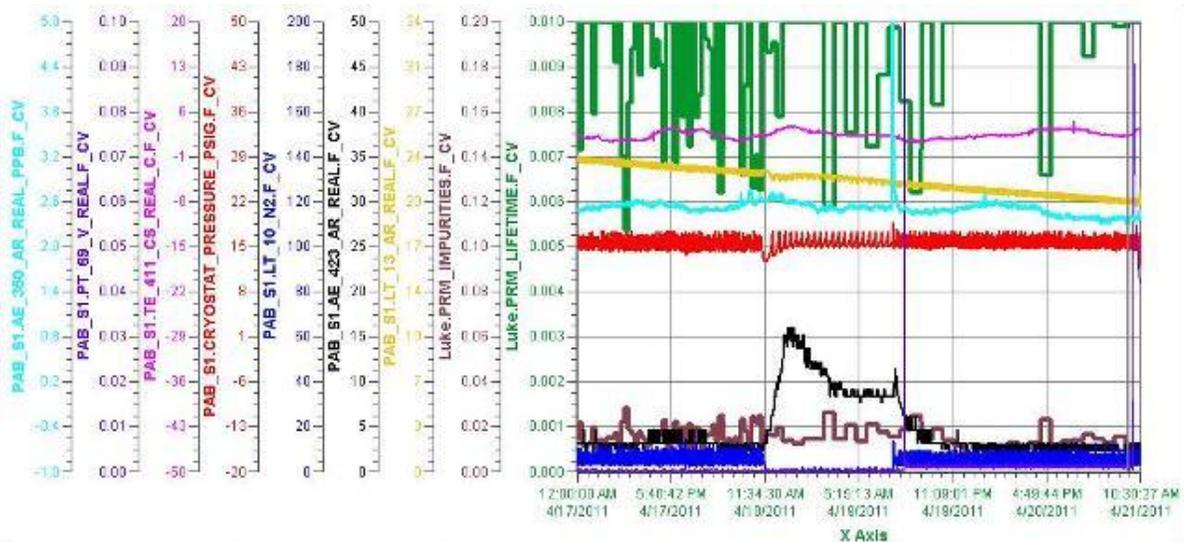
Zero test and Room temperature test. (black line is water, green line is electron lifetime)



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00212	sec	0.02000	0.00201
— Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.0707	imps	0.0745	0.0075
— PAB_S1_LT_13_AR_REAL	Luke Argon Level Probe	16.2	inches	26.0	14.4
— PAB_S1_AE_423_AR_REAL	HALO H2O meter (F_CV)	1,233.3	ppb	3,254.0	0.0
— PAB_S1_LT_10_N2_F_CV	Luke Condenser LN2 Level Pro...	-0.0	inches	14.4	-0.0
— PAB_S1_CRYOSTAT_PRE...	Luke Vapor Pressure	22.9	psig	30.5	12.5
— PAB_S1_TE_411_CS_REA...	TC on Luke top flange (F_CV)	9.8	C	12.0	-0.7
— PAB_S1_PT_69_V_REAL_F...	Seal Monitor Vacuum	0.0007	Torr	0.0672	0.0001

4/7/2011 8:00:00 AM 4/15/2011 3:40:00 PM

Vapor test. (black line is water, green line is electron lifetime)



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F...	Luke.PRM_LIFETIME.F_CV	0.01269	sec	0.02000	0.00533
— Luke.PRM_IMPURITIES.F...	Luke.PRM_IMPURITIES.F_CV	0.0118	imps	0.0282	0.0075
— PAB_S1_LT_13_AR_REAL	Luke Argon Level Probe	29.5	inches	33.0	20.2
— PAB_S1_AE_423_AR_REAL	HALO H2O meter (F_CV)	2.3	ppb	18.0	2.3
— PAB_S1_LT_10_N2_F_CV	Luke Condenser LN2 Level Pro...	4.6	inches	14.3	-0.0
— PAB_S1_CRYOSTAT_PRE...	Luke Vapor Pressure	14.8	psig	18.8	12.0
— PAB_S1_TE_411_CS_REA...	TC on Luke top flange (F_CV)	2.3	C	4.5	1.1
— PAB_S1_PT_69_V_REAL_F...	Seal Monitor Vacuum	0.0007	Torr	0.0672	0.0001
— PAB_S1_AE_350_AR_REAL	pab version for profiling (F_CV)	2.4	ppb	0.4	2.0

4/17/2011 12:00:00 AM 4/21/2011 10:30:27 AM

