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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
2/20/01	01-05-020	2L	Ethanol in Water	0.02%	CB			
2/20/01	01-06-050	1L	EtOH in H_2O	0.05%	CB			
2/20/01	01-07-400	1L	EtOH in H_2O	0.40%	CB			
2/20/01 (Abs 3/15/01)	01-08-100	20L	Ethanol in H_2O	0.10%	CB	0.1018	JFH/RJD 3/15/00	Dm Cert; extl. std.
6/19/01	01-09-100	50L	EtOH in H_2O	0.10%	jm	0.1021	jm/RJD 6/21/01	Dm Calibration + int. std.
6/26/01	01-10-020	2L	EtOH in H_2O	0.02%	jm	0.0204	6/27/01	Dm Calibration linearity
6/26/01	01-11-050	1L	EtOH in H_2O	0.05%	jm	0.0503	6/27/01	
6/26/01	01-12-400	1L	EtOH in H_2O	0.40%	jm	0.3999	6/27/01	

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
9/6/01	01-13-100	50L	EtOH in H_2O	0.10%	JH	0.1034	9/14/01	DM Calibration + external Std.
9/6/01	01-14-020	2L	EtOH in H_2O	0.02%	JH	0.0204	9/11/01	DM Calibration linearity
9/6/01	01-15-050	1L	EtOH in H_2O	0.05%	JH	0.0505	9/11/01	DM Calibration linearity
9/6/01	01-16-400	1L	EtOH in H_2O	0.40%	JH	0.4008	9/11/01	DM Calibrator linearity
9/6/01	01-17-05A	1L	Acetone in H_2O	0.05%	JH	N/A	N/A	acetone Calibration
9/18/01	01-~~17~~ 18-02A	1L	Acetone in 0.02% 0.1% EtOH	0.02%	JH	N/A	N/A	acetone interference check
12/28/01	01-~~18~~ 19-100	20L	EtOH aq	.100 8/210L air	M.Sawyer	.1007	JFH 01/02/02	DM calibration, linearity, field soln
12/31/01	01-20-100	50L	EtOH aq	.100	M.Sawyer	.1012	JFH MS 01/02/02	DM Extnl Std Soln

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
01/02/02	02-01-100	50L	ETOH aq	.100	M. Sawyer	.1016	JFH M. S. / 01/02/02	DM Extnl Std. Soln
03/14/02	02-03-020	2L	EtOH aq	.02	C. Brinkman	.0200	JFH	DM Linearity Check
5/21/02	02-~~03~~ 04-100	50L	EtOH aq	.100	M. Sawyer	.1011	J.F.H. 05/21/02	DM Ext'l STd. Soln.
1/08/02	02-02-100	50L	EtOH aq	.100	M. Sawyer	.1010	J.F.H. 01/09/02	DM Extnl STd. Soln.
6/10/02	02-05-100	20L	EtOH aq	.100	A. Bromington	.1006	RJD 06/12/02	DM Extnl STd. Soln.
6/24/02	02-06-050	2L	EtOH aq	.05	C. Brinkman	.0502	JFH 6/24/02	DM Linearity check
10/1/02	02-07-020	2L	EtOH aq	.02	J. Houston	0.0197	JFH 10/1/02	DM Linearity Check
10/1/02	02-08-050	1L	EtOH in H_2O	0.05%	C. Brinkman	0.0498	JFH 10/2/02	DM Linearity Check

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
10/1/02	02-09-400	1L	EtOH in H_2O	0.40 %	C. Brinkman	0.3923	JFH 10/2	DM Linearity Check
10/1/02	02-10-05A	1L	Acetone in H_2O	0.05 %	C. Brinkman	N/A	N/A	Acetone Calibration
10/1/02	02-11-02A	1L	Acetone in 0.1% EtOH	0.02 %	C. Brinkman	N/A	N/A	Acetone Interference Check
10/1/02	02-12-100	20L	EtOH aq	0.100	M. Sawyer	.1002	JFH 10/2	DM Calibration Extl. std
12/12/02	02-13-100	50L	EtOH aq	0.100	D. Marczynski	.1017	DM 12/13	DM calibration Extl. std. soln
12/18/02	02-14-100	50L	EtOH aq	0.100	D. Marczynski	0.1000	DRM 12-19-02	DM Calibration Extl. std. soln.
1-6-03	03-01-020	2L	EtOH aq	0.02 %	D. Marczynski	0.0203	DRM 1-7-03	DM Calibration
1-8-03	03-02-050	2L	EtOH aq	0.05 %	D. Marczynski	0.0503	DRM 1-9-03	DM calibration

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
1-15-03	03-03-~~040~~ 400 DM 1-16-03	2 L	ETOH aq.	0.40%	D. Marczynski	0.3970 ~~0.1008~~ DM 1-16-03	DM 1-15-03	Datamaster Calibration
1-15-03	03-04-100	20 L	ETOH aq.	0.10%	D Marczynski	0.1006	DM 1-15-03	DM External Std.
1-16-03	03-05-05A	1 L	Acetone in H_2O	0.05%	D Marczynski	N/A	N/A	Acetone Calibration
1-28-03	03-06-100	50 L	EtOH aq	0.10%	D. Marczynski	0.1009	DM 1-29-03	DM External Std.
3-~~20~~ 18-03 DM 3-20-03	03-07-020	2 L	ETOH aq	0.02%	D. Richardson	0.0202	DM 3-19-03	Datamaster Calibration
6-18-03	03-08-020	2L	EtOH aq	0.02%	D. Richardson	0.0206	DM 6-18-03	Datamaster Calibration
6-19-03	03-09-050	2L	EtOH aq	0.05%	D Richardson	0.0504	DM 6-19-03	Datamaster Calibration
6-19-03	03-10-400	2L	EtOH aq	0.40%	D Richardson	0.3901	DM 6-19-03	Datamaster Calibration

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
6-19-03	03-11-100	50L	EtOH aq	0.10%	M. Sawyer	0.1004	DM 6-19-03	DM External Standard
10-9-03	04-01-100	50L	EtOH aq	0.10%	D. Richardson	0.1011	DM 10-10-03	DM External standard
11-7-03	04-02-020	2L	EtOH aq	0.02%	D. Richardson	0.02062	DM 11-10-03	DM Calibration
11-7-03	04-03-050	2L	EtOH aq	0.05%	D Richardson	0.0478	DM 11-10-03	DM Calibration
12-30-03	04-04-100	50L	EtOH aq	0.10%	M. Sawyer	0.1010	DM 1-2-04	DM External std.
1-12-04	04-05-100	50L	EtOH aq	0.10%	M. Sawyer	0.1003	DM 1-19-04	DM External std
4-5-04	04-06-100	20L	EtOH aq	0.10%	M. Sawyer	0.1001	DM 4-9-04	DM External Std
4-9-04	04-07-05A	2L	Acetone in H_2O	0.05%	D. Richardson	NA	NA	Acetone Calibration

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
4-9-04	04-08-02A	1L	Acetone in 0.1% EtOH	0.02%	D. Richardson	NA	NA	Acetone Interference Check
4-9-04	~~04-09-050~~	2L	DMM 6-14-04 EtOH aq	0.05%	D Richardson			DM Calibration
6-4-04	04-09-100	50L	EtOH aq	0.100%	M. Sawyer	0.1010	6/11/04 DMM	DM External Std
7-13-04	05-01-400	2L	EtOH aq	0.400%	D. Richardson	0.3860	7/13/04 DMM	DM calibration
8-11-04	05-02-020	2L	EtOH aq	0.0200%	M. Sawyer	0.0220	8/13/04 DMM	DM Calibration
8-11-04	05-03-050	2L	EtOH aq	0.0500%	M. Sawyer	0.0548	8/13/04 DMM	DM Calibration
8-11-04	05-04-100	20L	EtOH aq	0.100%	M Sawyer	0.0999	9/3/04 RSD	DM External Std.
11-22-04	05-05-020	500ml	EtOH aq	0.0200%	M Sawyer	0.0193	11-22-04 MCS	DM Calibration

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
11-22-04	05-06-050	500 ml	ETOH aq	0.0500 %	M Sawyer	0.0513	12-02-04	DM calibration
12-15-04	05-07-100	50L	ETOH aq	0.100 %	M Sawyer	0.1004	12-17-04	DM External Std.
12-15-04	05-08-050	2L	ETOH aq	0.0500 %	M. Sawyer	0.0490	12-16-04	DM calibration
12-15-04	05-09-020	2L	ETOH aq	0.0200 %	M Sawyer	0.0197	12-16-04	DM calibration
01-05-05	05-10-100	50L	ETOH aq	0.100 %	M. Sawyer	0.1007	01-06-05	DM External std.
03/29/05	05-11-100	20L	ETOH aq	0.100 %	M. Sawyer	0.1000	03-29-05	DM External std.
06/08/05	05-12-100	50L	ETOH aq	0.100 %	M. Sawyer	0.1005	6/10/05	DM External std
06/08/05	05-13-100	20L	ETOH aq	0.100 %	M Sawyer	0.1002	6/10/05	DM External std.

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
7/8/05	06-01-020	2l	ETOH	0.0203	JPH	0.0203	7/8/05	DM Calibration
9/12/05	06-02-050	2L	EtoH	0.05%	MCS	0.0491	9/12/05	DM Calibration
9/12/05	06-03-400	2L	EtoH	0.40 %	MCS	0.3807	9/12/05	DM Calibration
10/21/05	06-04-100	20 L	EtOH	0.100 %	MCS	0.1006	10/21/05	DM External std
11/03/05	~~06-04-100A~~ lot ID Changed	20L	EtOH	0.100 %	MCS	0.0992	12/05/05	DM External std
12/6/05	06-05-080	10L	EtoH	0.08	ALB	0.0815	12/7/05	DMT Calibration
12/5/05	06-06-040	2L	EtOH	0.04	ALB	0.0376	12/7/05	DMT 9/10/07 ~~DMT~~ DMT Calibration
11/03/05	06-07-100	20L	EtOH	0.100%	MCS	0.0992	12/05/05	DM External std

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
12/12/05	0607-160	5L	EtOH aq.	0.16%	ALB	0.1582	ALB 12/13/05	DMT Calibration
12/12/05	06-05-080A	500ml	100ul acetone $\xrightarrow[\text{aq EtOH}]{.08\%}$ 500ml	0.02% Acetone 0.08% EtOH	ALB	.0791	ALB 12/13/05	
12/12/05	06-05-080B	500ml	250ul acetone $\xrightarrow[\text{aq EtOH}]{.08\%}$ 500ml	0.05% Acetone 0.08% EtOH	ALB	.0796	ALB 12/13/05	
12/12/05	06-05-080C	500ml	500ul acetone $\xrightarrow[\text{aq EtOH}]{.08\%}$ 500ml	0.1% Acetone 0.08% EtOH	ALB	.0813	ALB 12/13/05	
12/12/05	06-08-040	1L	Methanol aq.	0.04%	ALB		ALB 12/13/05	
12/12/05	06-09-040	1L	Isopropanol	0.04%	ALB		ALB 12/13/05	
12/12/05	06-05-080D	500ml	200ul MeOH $\xrightarrow[\text{aq EtOH}]{.08\%}$ 500ml	0.04% MeOH 0.08% EtOH	ALB	.0806		
12/12/05	06-05-080E	500ml	200ul isopropanol $\xrightarrow[\text{aq EtOH}]{.08\%}$ 500ml	.04% isopropanol .08% EtOH	ALB	.0675 OK per BJD, only seeking interference		

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
1/5/06	06-10-100	50L	80ml EtOH $\xrightarrow[H_2O]{MilliQ}$ 50L	0.100%	ALB	.1019	ALB 1/6/06	DM External Standard
1/9/06	06-11-100	50L	80ml EtOH $\xrightarrow[H_2O]{MilliQ}$ 50L	0.100%	ALB	.1003	ALB 1/18/06	DM External Standard
1/23/06	06-12-100	20L	32ml EtOH $\xrightarrow[H_2O]{MilliQ}$ 20L	0.100%	ALB	0.992	ALB 4/18/06	DM External Standard
4/19/06	06-13-020	2L	400µl EtOH $\xrightarrow[H_2O]{MilliQ}$ 2L	0.020%	ALB			
4/19/06	06-14-050	1L	500µl EtOH $\xrightarrow[H_2O]{MilliQ}$ 1L	0.05%	ALB			
6/5/06	06-15-100	50L	80ml EtOH $\xrightarrow[H_2O]{MilliQ}$ 50L	0.100%	ALB	0.1016	ALB 7/19/06	DM Ext. Std.
9/14	07-1-020	2L	EtOH/H_2O	0.02%	ALB	0.0196	ALB 9/15/06	DM Cal/Cert
9/14	07-2-050	2L	EtOH/H_2O	0.05%	ALB	0.0483	ALB 9/15/06	DM Cal/Cert

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
~~9/14~~ ~~9/15/06~~ 9/29	07-3-400	1L	EtOH/H_2O	0.40%	MMW ~~AB~~	0.3969	AB 10/3/06	DM Cal/cert
9/27	07-4-100	20L	EtOH/H_2O	0.10	AB/MMW	0.1008 ~~0.3969~~	~~AB 10/3/06~~	DM Calibration
11/9/06	07-5-100	20L	EtOH/H_2O	0.10	AB	0.1011	AB 11/15/06	Ext Std.
1/24/07 ~~12/27/06~~	07-6-100	50L	EtOH/H_2O	0.10	HXB	0.1028	~~HXB~~ AB 1/25/07	Ext std
2/5/07	07-7-100	50L	EtOH/H_2O	0.1	HXB	0.1010	AB 2/26/07	Ext Std
3/5/07	07-8-160	20L	EtOH/H_2O	0.16	AB	0.1620	AB 3/7/07	DMT testing
3/8/07	07-9-080	20L	EtOH H_2O	0.08	AB	0.0821	AB 3/9/07	DMT Testing
4/5/07	07-10-05A	2L	Acetone in H_2O	0.05%	DMM	N/A	N/A	Acetone Calibration

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
4/9/07	07-11-02A	2L	Acetone in 0.1% EtOH	0.02%	DMR	NA	NA	Acetone Interference Check
3/9/07	07-09-08A	2L	.01 Acetone in .08 EtOH	.01%	AeB	EtOH .0821	AeB 3/8/07	DMT Testing
3/9/07	07-09-08M	2L	.04 MeOH in .08 EtOH	.04%	AeB	.0821 EtOH	↓	↓
3/9/07	07-09-08I	2L	.04 IPA in .08 EtOH	.04%	AeB	.0821 EtOH	↓	↓
4/10/07	07-12-400	10L	Aq EtOH	0.4%	AeB	.3971	AeB/JH 4/12/07	DMT testing & DM Cert.
4/11/07	07-13-02A	1L	Acetone in 0.1% EtOH	0.02%	DMR	N/A	N/A	
4/11/07	07-14-04A	2L	.04 EtOH	.04%	AeB	0.0443	AeB/JH 4/12/07	DMT
4/11/07	07-14-04B	2L	.04 EtOH	.04%	AeB	0.0427	AeB/JH 4/12/07	DMT

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
4/18/07	07-15-020	8L	Aq EtOH	0.02	ALB	0.0223	ALB 4/25	DM Cert/DMT
6/12/07	07-16-100	50L	EtOH	0.10	HXB	0.1014	MCS 7/11	
6/20/07	07-17-05	2L	H_2O, Acetone	0.05%	MCS	NA	NA	Acetone check
07.11.07 ~~7.5.07~~ HXB	07-18/00	25L	EtOH	0.1	HXB	0.1008	JFH 7/17	
07.19.07	08.01.100 ~~08.19.100~~ HXB	25L	EtOH	0.1	HXB	0.1003	JFH 8/20/07	
07.31.07	~~07~~ 08.02.020	2L	Aq. EtOH	0.02	JFH	0.0215	JFH 7/31/07	
08.01.07	08.03.020	2L	Aq EtOH	0.02	JFH	0.0218	JFH 8/3/07	
08/27/07	08-04-020	2L	Aq EtOH	0.02	RJD	0.0205	MCS 9/05/07	

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
8/29/07	08-05-020		Aq EtOH	0.02	JFH	0.0238	JFH	
9/6/07	08-06-050	2L	Aq EtOH	0.05	MCS	0.0494	MCS 9/6/07	
11/16/07	08-07-100	20L	Aq EtOH	0.100	DMR	0.100	DMR/ALB 1/9/08	External std
11/16/07	08-08-100	20L	Aq EtOH	0.100	DMR	0.102	DMR/ALB	External std
11/16/07	08-09-100	2L	Aq EtOH	0.100	DMR	0.100	DMR/ALB 11/29/07	Calibration Solution
11/19/07	08-10-040	2L	Aq EtOH	.040	AWS	.040	AWS/DMR 12/3/07	DMT Soln
12/31/07	08-11-100	50L	Aq EtOH	0.100	DMR	0.101	DMR/ALB 1/4/08 1/9/08	Ext. std
2/29/08	08-12-040M	2L	Aq MeOH	.04	dws			DMT testing

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
2/29/08	08-13-040I	2L	Aq IPA	.040	ALB			DMT testing
2/29/08	07-09-080A2	1L	.02 Acetone .08 EtOH		ALB			DMT Testing
3/25/08	08-14-100	2L	Aq EtOH	0.100	[illegible]	0.101	DMR/ALB 3/25/08 4/4/08	DM Cal
3/25/08	08-15-100	2L	Aq EtOH	0.100	[illegible]	0.099	DMR/ALB 4/7/08 4/8/08	DM Cal
4/29/08	08-16-100	50L	Aq EtOH	0.100	HxB	0.100	DMR/MCS 5/9/08 5/22/08	ext std
4/29/08	08-~~16~~ 17-100 HxB 5.9.08	20L	Aq EtOH	0.100	HxB	0.103	5/9/08 5/22/08 DMR/MCS	ext std
5/6/08	08-~~17~~ 18-020 MB 5.9.08	2L	Aq EtOH	0.02	HxB	0.019	DMR/MCS 5/16/08 5/20/08	BAC DMT certification
5/6/08	08-~~18~~ 19-40 HxB 5.9.08	2L	Aq EtOH	0.40 ~~0.04~~ HxB 5.9.08	HxB	0.410	DMR/MCS 5/19/08 5/20/08	BAC DMT certification

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
5-8-08	08-~~19~~ 20-080A HXB 5-9-08	2L	Aq EtOH + 0.01% Acetone	0.08	HXB	0.078	DMR/MCS 5/19/08 5/21/08	DMT interference
5-8-08	08-~~20~~ 21-080 HXB 5-9-08	2L	Aq EtOH	0.08	HXB	0.079	DMR/MCS 5/20/08 5/27/08	
5-~~20~~ 21-08 HXB 5-21-08	08-22-160	2L	Aq EtOH	0.16	HXB	0.159	DMR/MCS 5/21/08 5/27/08	
5/29/08	08-23-02A	2L	0.02% Acetone in 0.10% EtOH	0.02	DMR			BAC Interference check
8/12/08 ~~8/14/08~~ AUB	09-01-080 (08A)	2L	Aq EtOH	0.08	AUB	.080	AUB/DMR 8/13 8/19	Certification
	09-02-080 (08B)	2L	Aq EtOH	0.08	AUB	.078	AUB DMR 8/13 8/21	DMT Interference
	09-03-160	2L	Aq EtOH	0.160	AUB	.162	AUB DMR 8/13 8/21	Certification
	09-04-400	2L	Aq EtOH	0.400	AUB	.403	AUB DMR 8/13 8/21	"

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
~~8/13~~ 8/22	09-02-08I4	2x 500ml	.08 EtOH .04 IPA	.08 EtOH .04 IPA	AEB			DMT interference
↓	09-02-08M4	2x 500ml	EtOH + MeOH ~~IPA~~	.08 EtOH .04 MeOH	AEB			"
↓	09-01-08A1	2x 500ml	EtOH + Acetone	.08 EtOH .01 Acetone	AEB			"
9/8/08	09-05-050	2L	Aq EtOH	.05%	AEB	0.050	AEB DMR 9/15 + 9/5	Certification
↓	09-06-020	2L	Aq EtOH	.02%	AEB	0.020	AEB DMR 9/15 & 9/5	"
~~9/3~~	~~09-07-100~~	~~2 L~~	~~Aq EtOH~~	~~0.1~~	~~AEB~~	~~DMR~~	~~10/2/08~~	~~Ext. Std.~~
10/7/08	09-08-01A	1 L	0.01 Acetone in H_2O	0.01	DMR	N/A	—	DMT interference
10/7/08	09-09-02A	1 L	0.02 Acetone in H_2O	0.02	DMR	N/A	—	DMT interference

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
10/7/08	09-10-05A	1L	0.05 Acetone in H_2O	0.05	DMM	N/A	—	DMT interference
10/7/08	08-10-04~~0~~A DMT 10/17/08	500ml	0.01 Acetone in 0.040 EtOH	0.01 Acetone 0.04 EtOH	DMM	N/A	—	DMT interference
10/7/08	08-10-04A2	500ml	0.02 Acetone in EtOH	0.02 Acetone 0.04 EtOH	DMM	N/A	—	DMT interference
10/7/08	09-01-08A	500ml	Acetone in EtOH	0.02 Acetone in 0.08 EtOH	DMM	N/A	—	DMT interference
10/14/08	09-11-100	20L	EtOH in water	0.100 EtOH	DMM	0.103	DMM/ALB 10/16/08 10/17/08	Ext Std
10/14/08	09-12-400	2L	EtOH in H_2O	0.400 EtOH	DMM	0.397	DMM/ALB 10/14/08, 10/15/08	Certification
10/14/08	09-13-040	2L	EtOH in H_2O	0.040 EtOH	DMM	0.039	DMM/ALB 10/14/08 10/15/08	DMT Testing
10/14/08	09-14-080	2L	EtOH in H_2O	0.080 EtOH	DMM	0.079	DMM/ALB 10/14/08 10/15/08	DMT certification

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
11/19/08	09-15-020	2L	EtOH	.02	ALB	.021	DMR ALB 12/11 - 12/23	DM Cert
11/25/08	09-16-05T	1L	toluene + H_2O	0.05	DMR	N/A		BAC cert
12/9/08	09-17-100	20L	EtOH	.100	ALB	0.1031	ALB DMR 12/11 - 12/23	DM Ext Std
12/9/08	09-18-100	50L	EtOH	.100	ALB	0.099	ALB DMR 12/11 12/23	DM Ext Std
1/16/09	09-19-100	20L	EtOH	0.100	DMR	0.099	DMR ALB	DM Ext Std
1/16/09	09-20-08A	500ml	Acetone EtOH	0.01 Acetone in 0.079 EtOH	DMR	0.079		DMT interference
1/16/09	09-21-02A	1L	Acetone in EtOH	0.02 Acetone in 0.099 EtOH	DMR	0.099		BAC interference
2/19/09	09-14-08A1	1L	Acetone in .079 EtOH	.01 Ace in .08 EtOH	ALB	0.079		DMT Intf.

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
2/19/09	09-13-04A1	1L	Acetone .01 EtOH .04	0.039 EtOH 0.01 Acetone	ALB			DMT Testing
2/20/09	09-22-01A	1L	.01 Acetone in H_2O	0.01 Acetone	ALB			DMT Test
2/20/09	09-23-02A	1L	0.02 Acetone in H_2O	0.02 Acetone	ALB			"
2/19/09	09-24-100	2L	0.10 EtOH	0.100	ALB	0.100	DM/ALB ~~2/13/09~~ 3/19/09	DM Cal
2/20/09	09-25-080	2L	0.08 EtOH	0.080	ALB	0.080	DM/ALB 3/16/09 3/18/09	DM Cert
2/20/09	09-26-080	2L	0.08 EtOH	0.080	ALB	0.079 ~~0.080~~ DM	DM/ALB 3/16/09 3/18/09	"
2/20/09	09-27-040	2L	0.04 EtOH	0.040	ALB	0.040	DM/ALB 3/18/09 3/19/09	DMT Test
3/25/09	09-28-08A	1L	0.02 Acetone in 0.08 EtOH	0.02 Acetone 0.079 EtOH	DMR	0.079	see 09-26080	DMT interference

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
3/25/09	09-29-02A	1L	0.02 Acetone in 0.10 EtOH	0.02 Acetone 0.099 EtOH	DMR			BAC cert
3/25/09	09-30-08I	1L	0.04 Isopropanol in 0.080 EtOH	0.04 Iso 0.079 EtOH	DMR			DMT interference
3/25/09	09-31-04A	1L	0.02 Acetone in 0.04 EtOH	0.02 Acetone 0.04 EtOH	DMR			DMT Interference
3/30/09	09-25-08M4	500ml	.04 MeOH in .08 EtOH	.04 MeOH .08 EtOH	AEB	.080 EtOH	3/16 3/18 AEB/DMR	DMT interfer
3/30/09	09-32-04M	500ml	.04 MeOH in H_2O	.04 MeOH	AEB			" "
3/30/09	09-33-04I	500ml	.04 IPA in H_2O	.04 IPA	AEB			" "
4/2/09	09-34-020	2L	0.02 EtOH in H_2O	0.02	DMR	0.021	DMR/AEB 4/2/09 4/16/09	BAC & DMT Certification
4/2/09	09-35-~~100~~	2L	0.16 EtOH in H_2O		DMR	Reprep'd		"

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
4/2/09	09-36-400	2L	0.40 EtOH in H_2O	.40	DMT	.382	ALB OMR 4/16/4/24	BAC & DMT certification
4/2/09	09-37-05T	500 ml	0.05 toluene in H_2O	—	DMT	—	—	BAC certification
5/4/09	09-38-160	2L	EtOH in H_2O	0.160 ~~0.160~~	ALB	0.159 ~~0.160~~	ALB/OMR 5/4, 5/7	Cert
5/12/09	09-39-100	20L	EtOH in H_2O	0.100	DMT	0.101	5/21/09 5/29/09 ALB	Ext std
5/12/09	09-40-100	50L	EtOH in H_2O	0.100	DMT	0.100	5/22 DMT 5/29 ALB	Ext std
5/20/09	09-41-05T	1L	0.05 toluene in H_2O	—	DMT	—	—	BAC cert
5/12/09	09-42-050	2L	0.05 EtOH in H_2O	0.05	DMT			BAC cert
5/20/09	09-43-080	2L	0.08 EtOH in H_2O	0.08	DMT			DMT cert

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
5/29/09	09-44-05A	2L	Acetone in H_2O	0.05 Acetone	DMR	—	—	BAC calibration
6/9/09	09-45-10A	500ml	Acetone in H_2O	0.10 Acetone	DMR	—	—	Experimental use only
7/1/09	10-01-100	20L	EtOH	.10	ALB	0.098	DMR/ALB 7/10/09 7/16/09	Ext Std
7/1/09	10-02-100	2L	EtOH	.10	ALB	0.101	DMR/ALB 7/1/09 7/9/09	.1 Cal
7/24/09	10-03-02A	1L	Acetone in EtOH	0.02 Acetone in 0.100 EtOH	DMR	—	—	BAC interference
8/5/09	10-04-05T	2L	toluene in H_2O	0.05 toluene	DMR	—	—	BAC interference
8/7/09	10-05-08A1	2L	0.01 Acetone in 0.08 EtOH	.08 EtOH	DES	.079 EtOH	—	DMT Certs
9/3/09	09-13-04A2	1L	.02 Acetone in .04 EtOH		DES	—	—	DMT testing

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
9/3/09	10-06-04I	500ml	.04 IPA in H_2O		AeB	—	—	DMT testing
	10-07-04M		.04 MeOH in H_2O			—	—	
	10-08-01A		.01 Acetone in H_2O			—	—	
	10-09-02A		.02 Acetone in H_2O			—	—	
	10-10-080	2L	.08 EtOH in H_2O	.08				Interference Solns
10/7/09	10-11-05A	1L	Acetone	.05	AeB	—	—	BAC Cal
	10-12-100	2L	EtOH	0.10	AeB	0.099	DMM/AeB	Cal
	10-13-020	2L	EtOH	0.02	AeB	0.020	DMM/AeB 10/15/09 10/23/09	Cert

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
10/7/09	10-14-400	2L	EtOH	0.40	AeB	0.387	DMR/ALB 10/16/09 10/23/09	Cert
	10-10-08A2	500ml ~~1L~~	Acetone EtOH	0.080 EtOH 0.02 Acetone	AeB	0.080 EtOH		DMT interference
	10-10-08M4	1L	MeOH EtOH	.04 MeOH 0.080 EtOH	"	"		"
	~~10-10-08I4~~	~~500ml~~	~~IPA EtOH~~	~~0.04 IPA 0.080 EtOH~~	~~"~~	~~"~~		~~"~~
10/13/09	10-15-100	20L	EtOH H_2O	0.100	DMR	0.098	DMR/ALB 10/23/09 10/27/09	DMR Ext Std
10/19/09	10-16-040	500ml	IPA/H_2O	.04	AeB	—		DMT interference
10/19/09	09-430814 ~~10-17~~	500ml	IPA EtOH	.04 IPA .083 EtOH	AeB	.083 EtOH		DMT interference
11/30/09	10-17-100	50L	EtOH	.10	AeB	0.103	ALB/DMR 12/1/09 12/3/09	Ext Std

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
11/30/09	10-18-100	20L	EtOH	.10	AEB	0.101	AEB/DMR 12/1/09, 12/3/09	Ext Std
11/30	10-19-080	2L	EtOH	.08	↓	0.081	↓	DM Cert
11/30	10-20-160	2L	EtOH	.160	↓	0.159	↓	Cert
1/11/2010	10-21-020	2L	EtOH	.02	AEB	0.019	AEB/HKB 1/22/10	Cert
2/2/10	10-22-100	2L	EtOH + H_2O	0.10	DMR	0.101	DMR/HKB 2/2/10	Calibration
2/2/10	10-23-100	20L	EtOH + H_2O	0.10	DMR	0.100	DMR/AEB 2/10/10 2/12/10	Ext Std
2/2/10	10-24-08A	2L	0.08 ~~Acetone~~ EtOH 0.01 Acetone	0.08 EtOH	DMR	0.081	DMR/AEB 2/3/10 2/4/10	DMT Interference
3/30/10	10-25-04M	1L	.04 MeOH	.040	AEB	N/A		"

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
3/30/10	10-26-04I	1L	.04 IPA	.040	ALB	N/A		DMT interlaboratory
4/6/10	09-27-04A1	500ml	.04 EtOH .01 Acetone		ALB	.040 EtOH		"
4/20/10	10-27-100	20L	EtOH	0.1	ALB	0.102	ALB/DMR 5/4 + 5/12	Ext. Std.
4/23/10	10-28-100	2L	EtOH	0.10	ALB	0.100	ALB/DMR 4/23 + 4/30	cal
~~4/23/10~~	~~10-29-020~~	~~2L~~	~~EtOH~~	~~0.02~~ 5/13/10	~~ALB~~			~~certification~~
4/23/10	10-30-080	2L	EtOH	0.08	ALB	0.081	ALB/DMR 4/23 + 4/30	certification
4/23/10	10-31-160	2L	EtOH	0.16	ALB	0.160	ALB/DMR 4/26 + 5/1	certification
4/23/10	10-32-400	2L	EtOH	0.40	ALB	0.373	" "	certification

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SIMULATOR SOLUTION PREPARATION LOG

Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
4/23/10	10-33-08A	1L	EtOH + Acetone	0.01 Acetone in 0.08 EtOH	ALB	N/A		interference
5/13/10	10-34-020	2L	EtOH	0.02	DMR	0.020	ALB DMR 5/13, 5/18	cent.
5/13/10	10-35-040	2L	EtOH	0.04	DMR	0.040	↓	low level DMT
5/19/10	10-35-04A1	500ml	EtOH + Acetone	0.04 EtOH 0.01 Acetone	ALB	—	—	Int. Test
5/19/10	10-35-04A2	500ml	EtOH + Acetone	0.04 EtOH 0.02 Acetone	ALB	—	—	"
6/3/10	10-36-100	2L	EtOH	0.10 EtOH	DMR	0.099	ALB DMR 6/8 + 6/14	Calibration
↓	10-37-080	2L	EtOH	0.08 EtOH	DMR	0.079 ~~0.081~~ DMR 6/18/10	6/18/10 6/16/10 ALB, DMR	cent
↓	10-38-050	1L	EtOH	0.05 EtOH	DMR	~~0.0~~ 0.050	ALB DMR 6/8, 6/15	BAC

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
6/2/10	10-39-100	50L	EtOH	0.1	ALB	0.097	ALB/ DMR ~~6/2~~ 6/16	Ext Std
6/2/10	10-40-100	20L	EtOH	0.1	ALB	0.098 ~~0.100~~	ALB/ DMR ~~6/2/10~~ 6/14 & 6/10	Ext Std
~~7/9/10~~	~~11-01-100~~	~~20L~~	~~EtOH~~	~~0.1~~	~~DM~~			~~ext std~~
7/9/10	11-02-100	2L	EtOH	0.1	DM	0.095	7/21/10 7/22/10	Calcheck
8/13/10	11-03-100	2L	EtOH	0.1	ALB	0.102	ALB/ MCS 8/13 8/17	Cal
8/19/10	11-04-100	20L	EtOH	0.1	(Sug B) ALB	0.098	ALB/ MCS 8/20 + 8/24	Ext Std
8/19/10	11-05-100	20L	EtOH	0.1	(Sug A) ALB	0.102	ALB/ MCS 8/23 + 8/24	Ext Std
8/24/10	11-06-160 ~~100~~	2L	EtOH	0.160 ~~0.02~~			ALB/ KLK ~~8/24~~ & 8/27	Cert

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
8/24/10	11-07-400	2L	EtOH	0.40	[illegible]		AEB/ KLK 8/27 + 8/24	Cert
8/26/10	11-08-04M	500ml	MeOH	0.04	[illegible]	N/A		DMT Int test
8/26/10	11-09-04M	500ml	MeOH	0.04	[illegible]	N/A		DMT Int Test
9/9/10	11-10-100	2L	EtOH	0.1	AEB	0.100	AEB/ MCS 9/10 + 9/13	Cal Check
9/9/10	11-11-08A	2L	.01 Acetone EtOH	.01 Acetone 0.08	AEB	0.080	AEB/ MCS 9/10 9/13	Cert/ interference
9/21/10	11-12-100	2L	EtOH	0.1	AEB	0.100	MCS/ JFH 9/21 + 9/27	Cal
9/21/10	11-13-020	2L	EtOH	0.02	AEB	0.021	MCS/ JFH 9/21 + 9/27	Cert
10/5/10	11-14-100	2L	EtOH	0.1	[illegible]	0.098	AEB KLK, MCS 10/8, 10/12	Ext Std

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
10/8/10	11-15-100	2L	EtOH	0.10	AUB	0.101	AUB, KLK, MCS 10/8, 10/12	Cal
10/18/10	11-16-080	2L	EtOH	0.08	AUB	0.081	AUB JFH 10/19	Cert
↓	11-17-160	↓	↓	0.16	↓	0.162	10/22 ↓	↓
↓	11-18-400	↓	↓	0.40	↓	0.407	↓	↓
10/29/10	11-19-100	2L	EtOH	0.1	AUB			Ext Std
10/29/10	11-20-100	2L	EtOH	0.1	AUB			Ext Std
11/16/10	11-21-100	5L	EtOH	0.1	AUB	0.096	AUB MCS 11/16, 11/17	Cal Check
11/16/10	11-22-020	2L	EtOH	0.02	AUB	0.020	AUB MCS 11/16 11/17	Cert

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
11/16/10	11-23-080A1	2L	EtOH + Acetone	0.08 EtOH 0.01 Acetone	AEB	0.079 EtOH	AEB/MCS 11/16 11/17	Cert
12/7	11-24-100	Jug A 20L	EtOH	0.1	AEB	0.100	AEB 12/2 cal + 12/9 cal	Ext Std
12/7	11-25-100	Jug B 20L	EtOH	0.1	AEB	0.103	AEB 12/2 cal + 12/9 cal	Ext Std
12/7 ~~12/8~~ ~~12/10~~	11-26-100	5L	EtOH	0.100	AEB	0.098	AEB ~~12/9 cal~~ + 12/20 + 12/21	Cal
1/20/11 ~~12/20/11~~	11-27-020	2L	EtOH	0.02	AEB	0.020	ALB/SKM 01/21 + 01/27	Cert
	11-28-160	2L		0.16		0.160	ALB/SKM 01/21 + 01/28	
	11-29-400	2L		0.40		0.400	ALB/SKM 01/24 + 01/28	
	11-30-100	20L A		0.1		0.100	ALB/SKM 01/21 + 01/27	Ext Std

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
12/20/11	11-31-100 B	20L B	EtOH	0.1	ALB	0.101	SRM/ALB SRM/JFH 01/26 + 02/01	Ext Std
03/15/11	11-32-100	20L	EtOH	0.1	SRM	0.101	SRM/ALB SRM/MCS 03/15 + 03/24	Ext. Std.
05/03/11	11-33-080	5L	EtOH	0.080	SRM	0.080	SRM/ALB SRM/ALB 05/03 + 05/04	Certification
SRM 05/06/11 ~~05/03/11~~ 05/06/11	11-34-400	2L	EtOH	0.400	SRM	0.400	ALB/JFH SRM/JFH 05/6 + 05/24	Certification
5/3/11	11-35-04I	500ml	IPA + H_2O	0.04% IPA by vol	[illegible]	N/A		DMT Int Test
5/3/11	11-36-04I	500ml	IPA + H_2O	"	↓	N/A		" " "
5/3/11	10-35-04A2	500ml	.04 EtOH .02% Acetone by vol		↓	0.040		" "
5/4/11	11-33-08M4	500ml	.04 MeOH in .08 EtOH		ALB			Int test

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
5/4/11	11-33-08I4	500ml	.04 IPA .08 EtOH		ALB			Int Test
05/25/11	11-37-100	5L	EtOH	0.100	SRM	0.100	SRM/JFH SRM/ALB 05/25 + 06/03	Calibration
06/10/11	11-38-020	2L	EtOH	0.020	SRM	0.020	SRM/MCS SRM/ALB 06/14 + 06/21	Calibration
06/15/11	11-39-100	5L	EtOH	0.100	SRM	0.100	SRM/JFH SRM/ALB 06/15 + 06/21	Cal. Check
06/15/11	11-40-100	20L	EtOH	0.100	SRM	0.100	SRM/JFH SRM/ALB 06/17 + 06/21	Ext. Std.
06/29/11	11-41-100	20L	EtOH	0.100	SRM	0.101	SRM/JFH 06/29 + 07/05	Ext. Std.
07/12/11	12-01-040	5L	EtOH	0.040	SRM	0.040	SRM/JFH 07/14 + 07/26	Interference
07/12/11	12-02-080	2L	EtOH	0.080	SRM	0.080	SRM/JFH 07/14 + 07/26	Calibration

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Prep. Date	Lot identification	Volume prepared	Solution Components	Target Conc.(s)	Prepared by	GC assay Results	Analyst / Date of analysis	Intended use
07/12/11	12-03-160	5L	EtOH	0.160	[illegible]	0.161	SKM/JFH 07/14+07/26	Calibration
08/01/11	12-01-040A1	2.5L	0.04 EtOH 0.01 Acetone	0.04 EtOH (grav.) 0.01 Acetone (vol)	[illegible]	—	—	Interference
08/01/11	12-01-040A2	2.5L	EtOH Acetone	0.04 EtOH (grav.) 0.02 Acetone (vol)	[illegible]	—	—	Interference
08/02/11	12-04-080	5L	EtOH	0.080	[illegible]	0.080	SKM/MES SKM/ALB 08/02+08/05	Interference

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SIMULATOR SOLUTION PREPARATION LOG

Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
08/09/11	SRM	SRM 08/09/11 ~~12-04-040M~~ 12-05-040M	1.5L	0.04% MeOH H_2O	0.04% MEOH	600µl	—	08/10/11	Interference
08/09/11	SRM	12-06-040I	1.5L	IPA H_2O	0.04% IPA	600µl	—	08/10/11	Interference
08/10/11	SRM	SRM 08/10/11 ~~12-04-080A1~~ 12-04-080A1	2L	Acetone EtOH	0.01% Acetone 0.03% EtOH	200µl Acetone	—	08/10/11	Interference
08/10/11	SRM	SRM 08/10/11 ~~12-04-080M~~ 12-04-080M	3L	MeOH EtOH	0.04% MeOH 0.08% EtOH	1.2ml MeOH	—	08/10/11	Interference
08/11/11	SRM	11-31-080I	500ml	IPA EtOH	0.04% IPA 0.08% EtOH	200µl IPA	—	08/11/11	Interference
08/12/11	SRM	12-07-020	5L	EtOH	0.02% EtOH	1.2275g	0.019	SRM 08/17/11 ~~08/18/11~~ 08/17/11	Certification
08/12/11	SRM	12-08-400	5L	EtOH	0.400	24.5037g	0.401	08/18/11	Certification
08/12/11	SRM	12-09-080	2L	EtOH	0.080	1.9626g	0.080	08/18/11	Interference ~~Certification~~ SRM 08/18/11
08/19/11	SRM	12-09-080A1	1L	EtOH Acetone	0.080 EtOH 0.01% Acetone	100µl Acetone	—	08/19/11	Interference

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
08/23/11	SRM	12-02-080I	500ml	EtOH IPA	0.08% EtOH 0.04% IPA	200µl IPA	—	08/23/11	Interference
08/23/11	SRM	12-09-080A1	1 L	EtOH Acetone	0.08% EtOH 0.01% Acetone	100µl Acetone	—	08/23/11	Interference
08/23/11	SRM	12-10-040	5 L	EtOH	0.04% EtOH	2.4506 g	0.04	08/26/11	Interference
08/23/11	SRM	12-11-080	5 L	EtOH	0.08% EtOH	4.8910 g	0.08	08/26/11	Certification
08/26/11	SRM	12-10-040A1	3 L	EtOH Acetone	0.04% EtOH 0.01% Acetone	300µl Acetone	—	08/26/11	Interference
08/26/11	SRM	~~12-10-080~~ 12-10-040A2	2 L	EtOH Acetone	0.04% EtOH 0.02% Acetone	~~20~~ 400µl Acetone	—	08/26/11	Interference
08/31/11	SRM	12-12-160	5 L	EtOH	0.160% EtOH	9.8035 g	0.161	09/06/11	Certification
09/09/11	SRM	12-13-100	20 L	EtOH	0.100% EtOH	24.5240 g	0.102	09/26/11	External Standard
09/13/11	SRM	12-11-080I	500ml	EtOH IPA	0.08% EtOH 0.04% IPA	200µl IPA	—	09/13/11	Interference

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
09/15/11	SRM	12-14-020	2L	EtOH	0.02%	0.4916g	0.019%	09/20/11	Certification
09/15/11	SRM	12-15-400	2L	EtOH	~~0.04~~ SRM 09/15/11 0.4%	9.8030g	0.4	09/22/11	Certification
09/15/11	SRM	12-16-080	5L	EtOH	0.08%	4.9130g	0.08	09/22/11	Certification
09/21/11	SRM	12-~~10~~ 11-080A1 SRM 09/21/11	500ml	EtOH Acetone	0.08% EtOH 0.01% Acetone	50µl	—	09/21/11	Interference
09/26/11	SRM	12-17-040M	1.5L	~~EtOH~~ SRM 09/26/11 MeOH	0.04% MeOH	600µl	—	09/26/11	Interference
09/26/11	SRM	12-18-040I	2L	IPA	0.04% IPA	800µl	—	09/26/11	Interference
09/29/11	SRM	12-19-020	2L	EtOH	0.02% EtOH	0.4929g	0.020	10/10/11	Certification
~~09/29/11~~	~~SRM~~	~~12-20400~~	~~2L~~	~~EtOH~~	~~0.4%~~	~~9.8018g~~			Did Not Use the solution SRM 10/04/11
09/29/11	SRM	12-21-080	5L	EtOH	SRM 09/29/11 ~~0.5~~ 0.08%	4.9010g	0.082	10/14/11	Certification

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
09/29/11	SRm	~~12-22-010~~ SRm 09/29/11 12-22-100	2L	EtOH	0.100%	2.4529	0.101	10/10/11	Cal. Check
10/04/11	SRm	12-16-080I	1 L	EtOH IPA	0.08% EtOH 0.04% IPA	400 µl	—	10/04/11	Interference
10/04/11	SRm	12-20-400	2L	EtOH	~~0.0~~ SRm 10/04/11 0.4	9.8048g	0.404	10/10/11	Certification
10/12/11	SRm	12-23-020	2L	EtOH	0.02%	0.4918g	0.02	10/21/11	Certification
10/12/11	SRm	12-24-160	2L	EtOH	0.16	3.9233g	0.163	10/18/11	Certification
10/12/11	SRm	12-25-400	2L	EtOH	0.4	9.8029g	0.407	10/25/11	Certification
10/12/11	SRm	12-16-080A1	500ml	EtOH Acetone	0.08% EtOH 0.01% Acetone	50 µl	—	10/12/11	Interference
10/13/11	SRm	12-26-040	5L	EtOH	0.04	2.4518g	0.04	11/03/11	Interference
10/18/11	SRm	12-21-080A1	1L	EtOH Acetone	0.08 EtOH 0.01 Acetone	100 µl	—	10/18/11	Interference

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
10/18/11	Sh	12-21-080I	1L	EtOH IPA	0.08 EtOH 0.04 IPA	400 µl	—	10/18/11	Interference
10/18/11	Sh	12-21-080M	1L	EtOH MeOH	0.08 EtOH 0.04 MeOH	400 µl	—	10/18/11	Interference
10/18/11	Sh	12-27-040I	1L	IPA	0.04 IPA	400 µl	—	10/18/11	Interference
10/18/11	Sh	12-28-040M	1L	MeOH	0.04 MeOH	400 µl	—	10/18/11	Interference
10/25/11	Sh	12-29-080	5L	EtOH	0.08 EtOH	4.9127 g	0.081	11/01/11	Certification
10/25/11	Sh	12-30-160	2L	EtOH	0.16 EtOH	3.9320 g	0.163	11/01/11	Certification
10/25/11	Sh	12-31-020	2L	EtOH	0.02 EtOH	0.4919 g	0.02	11/03/11	Certification
10/26/11	Sh	12-32-100	20L	EtOH	0.1 EtOH	24.5008 g	0.1	10/31/11	Exh Standard
11/01/11	Sh	12-29-080A1	1L	EtOH Acetone	0.080 EtOH 0.01 Acetone	100 µl	—	11/01/11	Interference

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
11/01/11	[illegible]	12-29-080M	1L	EtOH MeOH	0.08 EtOH 0.04 MeOH	400 µl	—	11/01/11	Interference
11/01/11	[illegible]	12-29-080I	1L	EtOH IPA	0.08 EtOH 0.04 IPA	400 µl	—	11/01/11	Interference
11/01/11	[illegible]	12-33-100	5L	EtOH	0.1 EtOH	6.1217 g	0.1	11/09/11	Calibration
11/07/11	[illegible]	12-34-400	2L	EtOH	0.4 EtOH	9.8132 g	0.403	11/14/11	Certification
11/07/11	[illegible]	12-35-020	2L	EtOH	0.02 EtOH	0.4909 g	0.02	11/15/11	Certification
11/07/11	[illegible]	12-36-160	2L	EtOH	0.16 EtOH	3.9209 g	0.167	11/17/11	Certification
11/08/11	[illegible]	12-26-040A1	25L	EtOH Acetone	0.04 EtOH 0.01 Acetone	250 µl Acetone	—	11/08/11	Interference
11/08/11	[illegible]	12-26-040A2	2.5L	EtOH Acetone	0.04 EtOH 0.02 Acetone	500 µl Acetone	—	11/08/11	Interference
11/08/11	[illegible]	12-37-080	5L	EtOH	0.08 EtOH	4.8971 g	0.081	11/15/11	Certification

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
11/17/11	SKm	12-38-100	20L	EtOH	0.1 EtOH	24.5081 g	0.101	11/21/11	Ext. Std.
11/18/11	SKm	12-39-100	5L	EtOH	0.1 EtOH	6.1192 g	0.1	11/22/11	Cal Check
11/18/11	SKm	12-40-400	2L	EtOH	0.4 EtOH	9.8008 g	0.408	11/22/11	Certification
12/08/11	SKm	12-41-080	5L	EtOH	0.08 EtOH	4.9095 g	0.082	12/12/11	Certification
12/08/11	SKm	12-42-160	5L	EtOH	0.16 EtOH	9.8001 g	0.165	12/12/11	Certification
12/12/11	SKm	12-43-040M	2L	MeOH	0.04 MeOH	200 µl	—	12/12/11	Interference
12/12/11	SKm	12-44-040I	2L	IPA	0.04 IPA	200 µl	—	12/12/11	Interference
12/12/11	SKm	12-45-100	20L	EtOH	0.1 EtOH	24.4982 g	0.1	12/15/11	Ext Std
12/12/11	SKm	12-46-020	5L	EtOH	0.02 EtOH	1.2228 g	0.02	12/14/11	Certification

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
12/13/11	SRm	12-47-400	5L	EtOH	0.4 EtOH	24.5085 g	0.402	12/15/11	Certification
12/30/11	SRm	12-41-080A1	500ml	EtOH Acetone	0.08 EtOH 0.01 Acetone	50 µl Acetone	—	12/30/11	Interference
01/04/12	SRm	12-48-160	2L	EtOH	0.16 EtOH	3.9218 g	0.161	01/09/12	Certification
01/04/12	SRm	12-49-040	5L	EtOH	0.04 EtOH	2.4513 g	0.040	01/09/12	Interference
01/04/12	SRm	12-50-080	5L	EtOH	0.08 EtOH	4.9001 g	0.080	01/06/12	Certification
01/06/12	SRm	12-50-080A1	1L	EtOH Acetone	0.08 EtOH 0.01 Acetone	100 µl	—	01/06/12	Interference
01/06/12	SRm	12-50-080I	1L	EtOH IPA	0.08 EtOH 0.04 IPA	400 µl	—	SRm 01/06/12	Interference
01/06/12	SRm	12-50-080M	1L	EtOH MeOH	0.08 EtOH 0.04 MeOH	400 µl	—	01/06/12	Interference
01/12/12	SRm	12-51-100	20L	EtOH	0.1 EtOH	24.5047 g	0.1	01/23/12	Ext. Std.

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Date Prepared	Prepared By	Lot Identification	Volume Prepared	Solution Component(s)	Target Concentration(s)	Gravimetric or Volumetric Value of Component(s)	GC Assay Result	Date Solution Certified	Intended Use
01/12/12	[illegible]	12-49-040A1	2.5L	Acetone EtOH	0.01 Acetone 0.04 EtOH	250 µl Acetone	—	01/23/12	Interference
01/12/12	[illegible]	12-49-040A2	2.5L	Acetone EtOH	0.02 Acetone 0.04 EtOH	500 µl Acetone	—	01/23/12	Interference
01/23/12	[illegible]	12-52-020	2L	EtOH	0.02 EtOH	~~0.4900T~~ [illegible] 01/23/12 0.4904 g	0.020	01/27/12	Certification
01/23/12	[illegible]	12-53-160	2L	EtOH	0.16 EtOH	3.9212 g	0.160	01/27/12	Certification
01/23/12	[illegible]	12-54-400	2L	EtOH	0.4 EtOH	9.8018 g	0.397	01/27/12	Certification
01/31/12	[illegible]	12-55-040M	2L	MeOH	0.04 MeOH	800 µl	—	01/31/12	Interference
01/31/12	[illegible]	12-56-040I	2L	IPA	0.04 IPA	800 µl	—	01/31/12	Interference
01/31/12	[illegible]	12-57-080	5L	EtOH	0.08 EtOH	4.9019 g	0.080	02/02/12	Certification
02/02/12	[illegible]	12-57-080M	~~2~~ 1L [illegible]	MeOH EtOH	0.04 MeOH 0.08 EtOH	400 µl	—	02/02/12	Interference

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02/02/12	[illegible]	12-57-080I	1 L	IPA EtOH	0.04 IPA 0.08 EtOH	400 µl	—	02/02/12	Interference
02/02/12	[illegible]	12-57-080A1	[illegible] 02/02/12 ~~2~~ 1L	Acetone EtOH	~~0.02~~ 0.01 Acetone 0.08 EtOH	100 µl	—	02/02/12	Interference
02/09/12	[illegible]	12-58-100	20 L	EtOH	0.1 EtOH	24.5055 g	0.100	02/14/12	External Standard
02/13/12	[illegible]	12-59-020	2L	EtOH	0.02 EtOH	0.4909 g	0.020	02/15/12	Certification
02/13/12	[illegible]	12-60-160	2L	EtOH	0.16 EtOH	3.9190 g	0.162	02/21/12	Certification
02/16/12	[illegible]	12-61-100	2L	EtOH	0.1 EtOH	2.4527 g	0.101	02/20/12	Cal. Check
02/16/12	[illegible]	12-62-400	2L	EtOH	0.4 EtOH	9.8062 g	0.404	02/21/12	Certification
02/16/12	[illegible]	12-63-080	2L	EtOH	0.08 EtOH	4.9030 g	0.081	02/21/12	Certification
2/16/12	[illegible]	12-64-100	20L	EtOH	0.10 EtOH	24.5060			Ext Std

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02/23/12	[illegible]	12-63-080Ai	1 L	Acetone EtOH	0.01 Acetone 0.081 EtOH	100µl Acetone	—	02/23/12	Interference
02/23/12	[illegible]	12-63-080I	1 L	IPA EtOH	0.04 IPA 0.081 EtOH	400µl ~~Ace~~ IPA [illegible] 02/23/12	—	02/23/12	Interference
02/23/12	[illegible]	12-63-080M	1 L	MeOH EtOH	0.04 MeOH 0.081 EtOH	400µl MeOH	—	02/23/12	Interference