Vermont Department of Health Laboratory

Toxicology Program

Solutions for Headspace Analysis Logbook

Solution Name Alcohol butanol std Lot #: 15-040309 Analyst: DMM

Preparation Date: 4/3/09 Expiration Date: 4/3/10

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
NaCl	10.0g	Fisher 084360	500ml
N-propanol ~~0.520~~ DMM 4/13/09	0.508 g	Fisher 893497	↓
T-butanol	0.155 g	Fisher 920454	↓
CuSO4	~0.5 g	Fisher 028884	↓

Solution Name Timing Mix Lot #: TMX-040309 Analyst: DMM

Preparation Date: 4/3/09 Expiration Date: ~~4/3/10~~ DMM 10/3/09 10/3/09

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
Acetaldehyde	0.0940 g	Mallinckrodt NNZ	100ml
Methanol	0.1524 g	Fisher UN1230	↓
Acetone	0.0818 g	Fisher UN1090	↓
Isopropanol	0.0894 g	Fisher UN1219	↓

Solution Name Alc Int Std Lot #: 15-061709 Analyst: DMM

Preparation Date: 6/17/09 Expiration Date: 6/17/10

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
NaCl	20 g	Fisher 084360	1000ml
N-Propanol	1.010 g	Fisher 893497	↓
T-butanol	0.300 g	Fisher 920454	↓
CuSO4	~.5g	Fisher 028884	↓

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Solution Name Internal Std Lot #: 1S-010610 Analyst: [illegible]

Preparation Date: 1/6/10 Expiration Date: 1/6/11

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
NaCl	20.0 g	Fisher 084360	1000ml
N-propanol	1.01 g	Fisher 893497	↓
T-butanol	0.309 g	Fisher 920454	↓
$CuSO_4$	~0.5g	Fisher 028884	↓

Solution Name Internal Std Lot #: 1S-062910 Analyst: AcB

Preparation Date: 6/29/10 Expiration Date: 6/29/11

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
NaCl	20.0g	fisher 084360	1L
N-propanol	1.00g	fisher 893497	↓
T-butanol	0.303g	fisher 920454	↓
Cu SO4	~0.5g	fisher 028884	↓

Solution Name Internal Std Lot #: 1S-100110 Analyst: AcB

Preparation Date: 10/1/10 Expiration Date: ~~8~~ 10/1/11

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
NaCl	20.0g	fisher 084360	1L
N-Propanol	1.01g	fisher 893497	↓
T-butanol	0.302g	fisher 920454	↓
$Cu SO_4$	~0.5g	fisher 028884	↓

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Solution Name T. mix Mix Lot #: TMX - 101510 Analyst: [illegible]

Preparation Date: 10/15/10 Expiration Date: 4/15/11

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
Acetaldehyde	0.0666	Sigma/Aldrich 56336 MK	100 ml
Methanol	0.1229 g	Fisher 100360	
Acetone	~~0.063~~ 0.0575 g	Fisher 082713	
Isopropanol	0.0784	Fisher 010666	

Solution Name Blood Alc IS Lot #: 15122010 Analyst: ALB

Preparation Date: 12/20/10 Expiration Date: 12/20/11

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
N-Propanol	1.007g	fisher 893497	1L
t-butanol	0.300g	fisher 920454	
NaCl	20.0g	fisher 084360	
CuSO4	0.5g	fisher 028884	

Solution Name Internal Standard Lot #: IS041211 Analyst: [illegible] / ALB

Preparation Date: 04/12/11 Expiration Date: 04/12/12

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
N-Propanol	1.0020 g	Fisher 893497	1L
T-Butanol	0.303 g	Fisher 920454	
NaCl	20.0 g	Fisher 084360	
CuSO4	~0.5g	Fisher 028884	

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Solutions for Headspace Analysis Logbook

Solution Name Internal Standard Lot #: IS07251 Analyst: SAM

Preparation Date: 07/25/11 Expiration Date: 07/25/11

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
NaCl	20.0 g	Fisher 084360	1 L
N-Propanol	0.9994 g	Fisher 893497	↓
T-Butanol	0.3030 g	Fisher 920454	↓
$CuSO_4$	0.5006 g	Fisher 028884	↓

Solution Name Timing Mix Lot #: TMX082511 Analyst: SAM

Preparation Date: 08/25/11 Expiration Date: ~~08/25/11~~ 02/25/11

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
Acetaldehyde	0.0512 g	Sigma-Aldrich 56396NK	100 ml
Methanol	0.1278 g	Fisher 093826	↓
Acetone	0.0603 g	Fisher 087713	↓
Isopropanol	0.0814 g	Fisher 010666	↓

Solution Name HT3 TMX Test Lot #: Analyst: JFH

Preparation Date: 9/14/11 Expiration Date:

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
Acetaldehyde	0.0571		100 ml
MeOH	0.0980		↓
EtOH	0.0536		↓
IPA	0.0994		↓
Acetone	0.0957		↓

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Solutions for Headspace Analysis Logbook

Solution Name 1.0% EtOH Stock Lot #: 100611 Stock Analyst: ALB

Preparation Date: 10/6/11 Expiration Date: _____

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
Absolute EtOH	1mL		100mL
HT3 EtOH Standards		Prep 10/6/11 Exp 11/6/12	
Std F 0.4%	20ml Stock	100611 Stock	50ml
Std E 0.2%	10ml Stock		50ml

Solution Name _____ Lot #: _____ Analyst: _____

Preparation Date: _____ Expiration Date: _____

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
Std D /CCS 0.08	8ml Stock		100ml
Std C 0.02	1ml Stock		50ml
Std B 0.01	0.5ml ~~1ml~~ Stock		50ml
Std A 0.005	0.25ml Stock		50ml
Blank		milli Q	60ml

Solution Name Sin. Sol. IS Lot #: SIS 101711 Analyst: SM

Preparation Date: 10/17/11 Expiration Date: 10/17/12

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
N-Propanol	0.5000 g	Fisher 893497	1L
T-Butanol	0.1526 g	Fisher 920454	
NaCl	20.0001 g	Fisher 084360	
CuSO4	~~2~~ 0.5006 g	Fisher 028884	

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Solutions for Headspace Analysis Logbook

Solution Name Sim. Sol. IS Lot #: SIS112111 Analyst: SKM

Preparation Date: 11/21/11 Expiration Date: 11/21/12

Compound	Weight/Volume Used	Manufacturer & Lot #	Final Volume
N-Propanol	0.4998g	Fisher 893497	1L
T-Butanol	0.1539g	Fisher 920454	↓
NaCl	19.9998g	Fisher 084360	↓
CuSO4	0.5001g	Fisher 028884	↓

Solution Name Blood Alc-IS Lot #: IS-122211 Analyst: ALB

Preparation Date: 12/22/11 Expiration Date: 12/22/12

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
N-Propanol	1.0023g	Fisher 893497	1L
t-butanol	0.3010g	920454	↓
NaCl	20.008g	084360	↓
CuSO4	0.5087	028884	↓

Solution Name Mercury TMX Lot #: TMX 021612 Analyst: ALB

Preparation Date: 2/16/12 Expiration Date:

Compound	Weight/Vol Used	Manufacturer & Lot #	Final Volume
Acetaldehyde	0.065	Sigma-Aldrich 56396MK	100ml
MeOH	0.089	Fisher 112806	↓
EtOH	~~0.071~~ 0.088	Pharmco RH3649	↓
IPA	0.091	Fisher 010666	↓
Acetone	0.103	Fisher 044717	↓