Project Name:	LINDE ACTON	**Lab Number:**	L1103257
Project Number:	Not Specified	**Report Date:**	03/21/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 03/14/11 11:28
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-03,05-07 Batch: WG458490-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	104		70-130

Project Name:	LINDE ACTON	**Lab Number:**	L1103257
Project Number:	Not Specified	**Report Date:**	03/21/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 03/16/11 11:43
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 04,08-13 Batch: WG458825-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	97		70-130
2,5-Dibromotoluene-FID	92		70-130

Project Name:	LINDE ACTON	**Lab Number:**	L1103257
Project Number:	Not Specified	**Report Date:**	03/21/11

Method Blank Analysis
Batch Quality Control

Analytical Method:	98,EPH-04-1.1			Extraction Method:	EPA 3510C
Analytical Date:	03/18/11 09:57	M.S. Analytical Date:	03/19/11 22:33	Extraction Date:	03/16/11 17:10
Analyst:	MW	M.S. Analyst:	HL	Cleanup Method1:	EPH-04-1
				Cleanup Date1:	03/17/11

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/MS Targets - Westborough Lab for sample(s): 01-17 Batch: WG458925-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--
Naphthalene	ND		ug/l	0.400	--
2-Methylnaphthalene	ND		ug/l	0.400	--
Acenaphthylene	ND		ug/l	0.400	--
Acenaphthene	ND		ug/l	0.400	--
Fluorene	ND		ug/l	0.400	--
Phenanthrene	ND		ug/l	0.400	--
Anthracene	ND		ug/l	0.400	--
Fluoranthene	ND		ug/l	0.400	--
Pyrene	ND		ug/l	0.400	--
Benzo(a)anthracene	ND		ug/l	0.400	--
Chrysene	ND		ug/l	0.400	--
Benzo(b)fluoranthene	ND		ug/l	0.400	--
Benzo(k)fluoranthene	ND		ug/l	0.400	--
Benzo(a)pyrene	ND		ug/l	0.200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--
Benzo(ghi)perylene	ND		ug/l	0.400	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	93		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	99		40-140
O-Terphenyl-MS	75		40-140

Project Name: LINDE ACTON **Lab Number:** L1103257

Project Number: Not Specified **Report Date:** 03/21/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 03/18/11 09:31
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 14-18 Batch: WG459179-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--
Benzene	ND		ug/l	2.00	--
Toluene	ND		ug/l	2.00	--
Ethylbenzene	ND		ug/l	2.00	--
p/m-Xylene	ND		ug/l	2.00	--
o-Xylene	ND		ug/l	2.00	--
Methyl tert butyl ether	ND		ug/l	3.00	--
Naphthalene	ND		ug/l	4.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	102		70-130
2,5-Dibromotoluene-FID	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG458490-1 WG458490-2								
C5-C8 Aliphatics	98		88		70-130	11		25
C9-C12 Aliphatics	96		82		70-130	16		25
C9-C10 Aromatics	96		89		70-130	7		25
Benzene	92		86		70-130	6		25
Toluene	94		88		70-130	7		25
Ethylbenzene	96		90		70-130	6		25
p/m-Xylene	95		88		70-130	7		25
o-Xylene	94		88		70-130	6		25
Methyl tert butyl ether	93		96		70-130	2		25
Naphthalene	104		101		70-130	3		25
1,2,4-Trimethylbenzene	98		91		70-130	7		25
Pentane	95		88		70-130	8		25
2-Methylpentane	98		91		70-130	7		25
2,2,4-Trimethylpentane	100		91		70-130	10		25
n-Nonane	97		85		30-130	13		25
n-Decane	94		79		70-130	17		25
n-Butylcyclohexane	97		86		70-130	12		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG458490-1 WG458490-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	103		95		70-130
2,5-Dibromotoluene-FID	114		105		70-130

Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 04,08-13 Batch: WG458825-1 WG458825-2								
C5-C8 Aliphatics	93		112		70-130	19		25
C9-C12 Aliphatics	94		103		70-130	9		25
C9-C10 Aromatics	97		112		70-130	15		25
Benzene	93		110		70-130	16		25
Toluene	95		111		70-130	16		25
Ethylbenzene	96		111		70-130	15		25
p/m-Xylene	97		111		70-130	13		25
o-Xylene	94		107		70-130	13		25
Methyl tert butyl ether	86		105		70-130	20		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 04,08-13 Batch: WG458825-1 WG458825-2								
Naphthalene	94		111		70-130	17		25
1,2,4-Trimethylbenzene	97		111		70-130	14		25
Pentane	98		110		70-130	11		25
2-Methylpentane	93		110		70-130	17		25
2,2,4-Trimethylpentane	96		115		70-130	19		25
n-Nonane	96		111		30-130	14		25
n-Decane	93		98		70-130	5		25
n-Butylcyclohexane	96		109		70-130	13		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	93		105		70-130
2,5-Dibromotoluene-FID	90		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 01-17 Batch: WG458925-2 WG458925-3								
C9-C18 Aliphatics	70		52		40-140	**30**	Q	25
C19-C36 Aliphatics	88		68		40-140	**26**	Q	25
C11-C22 Aromatics	119		105		40-140	13		25
Naphthalene	108		95		40-140	13		25
2-Methylnaphthalene	116		103		40-140	12		25
Acenaphthylene	109		92		40-140	17		25
Acenaphthene	118		107		40-140	10		25
Fluorene	138		120		40-140	14		25
Phenanthrene	94		79		40-140	17		25
Anthracene	121		103		40-140	16		25
Fluoranthene	137		116		40-140	17		25
Pyrene	133		114		40-140	15		25
Benzo(a)anthracene	137		122		40-140	12		25
Chrysene	125		113		40-140	10		25
Benzo(b)fluoranthene	**148**	Q	134		40-140	10		25
Benzo(k)fluoranthene	131		123		40-140	6		25
Benzo(a)pyrene	119		105		40-140	13		25
Indeno(1,2,3-cd)Pyrene	133		122		40-140	9		25
Dibenzo(a,h)anthracene	128		122		40-140	5		25
Benzo(ghi)perylene	129		118		40-140	9		25
Nonane (C9)	44		32		30-140	**32**	Q	25

ALPHA ANALYTICAL

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 01-17 Batch: WG458925-2 WG458925-3								
Decane (C10)	58		43		40-140	**30**	Q	25
Dodecane (C12)	73		51		40-140	**35**	Q	25
Tetradecane (C14)	81		61		40-140	**28**	Q	25
Hexadecane (C16)	88		66		40-140	**29**	Q	25
Octadecane (C18)	90		70		40-140	**25**		25
Nonadecane (C19)	92		71		40-140	**26**	Q	25
Eicosane (C20)	90		70		40-140	**25**		25
Docosane (C22)	90		70		40-140	**25**		25
Tetracosane (C24)	90		70		40-140	**25**		25
Hexacosane (C26)	92		71		40-140	**26**	Q	25
Octacosane (C28)	91		71		40-140	**25**		25
Triacontane (C30)	95		73		40-140	**26**	Q	25
Hexatriacontane (C36)	95		73		40-140	**26**	Q	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 01-17 Batch: WG458925-2 WG458925-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	77		50		40-140
o-Terphenyl	140		140		40-140
2-Fluorobiphenyl	101		90		40-140
2-Bromonaphthalene	101		91		40-140
O-Terphenyl-MS	136		114		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 14-18 Batch: WG459179-1 WG459179-2								
C5-C8 Aliphatics	98		95		70-130	3		25
C9-C12 Aliphatics	94		76		70-130	21		25
C9-C10 Aromatics	100		99		70-130	2		25
Benzene	96		94		70-130	2		25
Toluene	99		96		70-130	2		25
Ethylbenzene	97		97		70-130	0		25
p/m-Xylene	98		98		70-130	1		25
o-Xylene	96		95		70-130	2		25
Methyl tert butyl ether	92		88		70-130	4		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: LINDE ACTON
Project Number: Not Specified

Lab Number: L1103257
Report Date: 03/21/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 14-18 Batch: WG459179-1 WG459179-2								
Naphthalene	104		102		70-130	2		25
1,2,4-Trimethylbenzene	100		98		70-130	2		25
Pentane	101		90		70-130	12		25
2-Methylpentane	95		97		70-130	2		25
2,2,4-Trimethylpentane	101		97		70-130	4		25
n-Nonane	100		86		30-130	16		25
n-Decane	88		68	Q	70-130	26	Q	25
n-Butylcyclohexane	99		83		70-130	17		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	100		94		70-130
2,5-Dibromotoluene-FID	98		93		70-130