amdel

Job Number : 5E0835

QAQC : Laboratory Control Sample(s)

Analyte	Level	Level Detected			Recovery Details		
		Result1	Result2	Result3	Rec 1 (%)	Rec 2 (%)	Rec 3 (%)
E2530 Total Hardness							
Total Hardness as CaCO3	66.2	63			95%		
E2350 BOD in Water (5-Day)							
BOD	198	170			88%		
E2420 Chemical Oxygen Demand							
COD	200	220	220		107%	105%	
E2580 TOC in Water							
TOC	100	100			102%		
E2770 Kjeldahl Nitrogen in Water							
Kjeldahl Nitrogen	1	1.0			106%		
E2550 Nitrate as N in Water							
Nitrate as N	1.0	1.01			101%		
E2560 Nitrite as N in Water							
Nitrite as N	1.0	1.07	1.06		107%	106%	
E2330 Ammonia as N in Water							
Ammonia as N	1.0	0.98	0.99		99%	99%	

PQL = Practical Quantitation Limit
-- = Not Applicable
nd = <PQL

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

amdel

Job Number : 5E0835

QAQC : Laboratory Duplicate(s)

Analyte	Dupl A	Dupl B	Average	RPD (%)	Dupl A	Dupl B	Average	RPD (%)
E2580 TOC in Water (E181850)								
TOC	9	9	9	0%				
E2770 Kjeldahl Nitrogen in Water (E181850)								
Kjeldahl Nitrogen	1.8	1.6	1.8	11%				

PQL = Practical Quantitation Limit
nd = <PQL
-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

The number in brackets after the method header identifies the sample tested.

amdel

Job Number : 5E0835

QAQC : Method Blank(s)

ANALYTE	Sample ID PQL	Blank1	Blank2	Blank3	Blank4	Blank5
E2530 Total Hardness						
Total Hardness as CaCO3	0.5	nd				
E2350 BOD in Water (5-Day)						
BOD	2	nd				
E2420 Chemical Oxygen Demand						
COD	10	nd				
E2580 TOC in Water						
TOC	2	nd				
E2770 Kjeldahl Nitrogen in Water						
Kjeldahl Nitrogen	0.1	nd				
E2550 Nitrate as N in Water						
Nitrate as N	0.02	nd				
E2560 Nitrite as N in Water						
Nitrite as N	0.02	nd				
E2330 Ammonia as N in Water						
Ammonia as N	0.01	nd				

PQL = Practical Quantitation Limit
nd = <PQL
-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

ALS Environmental

Certificate of Analysis

LABORATORY REPORT NO: NE17326

CLIENT REFERENCE: ENO1669

CLIENT: Sinclair Knight Merz
PO Box 164
ST LEONARDS NSW 1590

ATTENTION: Mr Simon Opper

DATE REPORTED: 4/04/05

DATE RECEIVED: 29/03/05

TITLE: Air Analysis

SAMPLES: 4 Charcoal Tubes & 1 Sorbent Tube

Please find results for the above samples.

Sampled by Sinclair Knight Merz, analysed as received.

Please do not hesitate to contact us if we can be of assistance.

Yours faithfully

Australian Laboratory Services Pty Ltd

NATA Accredited Laboratory
Number: 825 Site: Newcastle

This Laboratory is accredited by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its scope of accreditation. This document shall not be reproduced, except in full.

Authorising Chemist
Petro Holowinskyj

AUSTRALIAN LABORATORY SERVICES PTY LTD ABN 84 009 936 029
Newcastle Laboratory
5 Rosegum Close, Warabrook NSW 2304
Phone: 61-2-4968 9433 Fax: 61-2-4968 0349 Website: www.alsenviro.com.au

ORGANIC ANALYSIS

Report No: NE17326

Client Reference: -ENO1669

METHOD	ANALYSIS DESCRIPTION	UNITS	LOR	Sa	NE17326/4Front	NE17326/4Back					QA/QC	
				Client ID	MW34	MW34					Blank	Spike/Control % Recovery
				Date Sampled	22-Mar-05	22-Mar-05						
				Date Received	29-Mar-05	29-Mar-05						
EP077	Naphthalene	µg/section	0.1		1.2	0.3					<0.1	87%
EP077	Acenaphthylene	µg/section	0.1		<0.1	<0.1					<0.1	80%
EP077	Acenaphthene	µg/section	0.1		<0.1	<0.1					<0.1	84%
EP077	Fluorene	µg/section	0.1		<0.1	<0.1					<0.1	86%
EP077	Phenanthrene	µg/section	0.1		<0.1	<0.1					<0.1	85%
EP077	Anthracene	µg/section	0.1		<0.1	<0.1					<0.1	79%
EP077	Fluoranthene	µg/section	0.1		<0.1	<0.1					<0.1	76%
EP077	Pyrene	µg/section	0.1		<0.1	<0.1					<0.1	82%
EP077	Benz(a)anthracene	µg/section	0.1		<0.1	<0.1					<0.1	86%
EP077	Chrysene	µg/section	0.1		<0.1	<0.1					<0.1	86%
EP077	Benzo(b)fluoranthene	µg/section	0.1		<0.1	<0.1					<0.1	79%
EP077	Benzo(k)fluoranthene	µg/section	0.1		<0.1	<0.1					<0.1	78%
EP077	Benzo(a)pyrene	µg/section	0.1		<0.1	<0.1					<0.1	71%
EP077	Indeno(123:cd)pyrene	µg/section	0.1		<0.1	<0.1					<0.1	78%
EP077	Dibenzo(ah)anthracene	µg/section	0.1		<0.1	<0.1					<0.1	77%
EP077	Benzo(ghi)perylene	µg/section	0.1		<0.1	<0.1					<0.1	80%
EP077	Sum of Reported PAH's	µg/section	0.1		1.2	0.3					<0.1	81%
				Date Extracted	30-Mar-05	30-Mar-05					30-Mar-05	30-Mar-05
				Date Analysed	01-Apr-05	01-Apr-05					01-Apr-05	01-Apr-05

Authorising Chemist: Petro Holowinskyj

Petro Holowinskyj

Date: 4/4/2005

ORGANIC ANALYSIS

Report No: NE17326

Client Reference: -ENO1669

METHOD	ANALYSIS DESCRIPTION	UNITS	LOR	Sam	26/1Front	NE17326/1Back	NE17326/2Front	NE17326/2Back	[illegible]Front	NE17326/3Back	NE17326/4Front	NE17326/4Back		QC
				Client ID	MW30	MW30	MW32	MW32	MW[illegible]	MW33	MW34	MW34	Blank	Spike/Control % Recovery
				Date Sampled	22-Mar-05	22-Mar-05	22-Mar-05	22-Mar-05	22-Mar-05	22-Mar-05	22-Mar-05	22-Mar-05		
				Date Received	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05		
					Charcoal Tube	Charcoal Tube	Charcoal Tube	Charcoal Tube	Charcoal Tube	Charcoal Tube	Charcoal Tube	Charcoal Tube		
EP091	Benzene	ug/section	0.5		<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	104%
EP091	Toluene	ug/section	0.5		432	<0.5	45.8	<0.5	1.0	<0.5	840	<0.5	<0.5	94%
EP091	Ethyl Benzene	ug/section	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	97%
EP091	m- & p-xylene	ug/section	1		<1	<1	<1	<1	<1	<1	<1	<1	<1	95%
EP091	o-xylene	ug/section	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
				Date Extracted	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05	29-Mar-05
				Date Analysed	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05	30-Mar-05

Authorising Chemist: _____

Petro Holowinskyj

Date: _____

ALS Environmental

Certificate of Analysis

LABORATORY REPORT NO: NE17394

CLIENT REFERENCE: EN01669

CLIENT: Sinclair Knight Merz
PO Box 164
ST LEONARDS NSW 1590

ATTENTION: Ms Christine Tropman

DATE REPORTED: 18/04/05

DATE RECEIVED: 07/04/05

TITLE: Air Analysis

SAMPLES: 4 Air Samples

Please find results for the above samples.

Sampled by Sinclair Knight Merz, analysed as received.

Please do not hesitate to contact us if we can be of assistance.

Yours faithfully

Australian Laboratory Services Pty Ltd

NATA Accredited Laboratory
Number: 825 Site: Newcastle

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ORGANIC ANALYSIS

Report No: NE17394

Client Reference: -EN01669

										QA/QC	
		ıple		NE17394/2Front	NE17394/2Back					Blank	Spike/Control % Recovery
		Client ID		MW31	MW31						
		Date Sampled		04-Apr-05	04-Apr-05						
		Date Received		07-Apr-05	07-Apr-05						
METHOD	ANALYSIS DESCRIPTION	UNITS	LOR	Charcoal Tube	Charcoal Tube						
EP091	Benzene	ug/Section	0.5	<0.5	<0.5					<0.5	117%
EP091	Toluene	ug/Section	0.5	7.9	<0.5					<0.5	104%
EP091	Ethyl Benzene	ug/Section	0.5	<0.5	<0.5					<0.5	100%
EP091	m- & p-xylene	ug/Section	1	<1	<1					<1	98%
EP091	o-xylene	ug/Section	0.5	<0.5	<0.5					<0.5	-
		Date Extracted		08-Apr-05	08-Apr-05					08-Apr-05	08-Apr-05
		Date Analysed		13-Apr-05	13-Apr-05					13-Apr-05	13-Apr-05

Authorising Chemist: _____ Date: _____

Petro Holowinskyj