LabMark
ENVIRONMENTAL LABORATORIES

Laboratory Report No: E037774
Client Name: Coffey Environments Pty Ltd
Contact Name: Benedict Smith
Client Reference: EL00315AH

Date: 02/06/08

This report supercedes reports issued on: N/A

Final
Certificate
of Analysis

Laboratory Identification		**157119**	**lcs**	**mb**							
Sample Identification		DUP5a	QC	QC							
Depth (m)		--	--	--							
Sampling Date recorded on COC		21/5/08	--	--							
Laboratory Extraction (Preparation) Date		28/5/08	28/5/08	28/5/08							
Laboratory Analysis Date		30/5/08	28/5/08	28/5/08							
Method : E002.2											
BTEX by P&T	**EQL**										
Benzene	0.2	<0.2	92%	<0.2							
Toluene	0.5	<0.5	92%	<0.5							
Ethylbenzene	0.5	<0.5	88%	<0.5							
meta- and para-Xylene	1	<1	92%	<1							
ortho-Xylene	0.5	<0.5	91%	<0.5							
Total Xylene	--	--	--	--							
CDFB (Surr @ 10mg/kg)	--	*91%*	*93%*	*89%*							
Method : E003.2											
Volatile TPH by P&T (vTPH)	**EQL**										
C6 - C9 Fraction	10	<10	90%	<10							

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E002.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/PID/MSD.
E003.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/FID.

Laboratory Identification		**157119**	**lcs**	**mb**							
Sample Identification		DUP5a	QC	QC							
Depth (m)		--	--	--							
Sampling Date recorded on COC		21/5/08	--	--							
Laboratory Extraction (Preparation) Date		28/5/08	28/5/08	28/5/08							
Laboratory Analysis Date		29/5/08	28/5/08	28/5/08							
Method : E006.2											
Petroleum Hydrocarbons (TPH)	**EQL**										
C10 - C14 Fraction	50	<50	99%	<50							
C15 - C28 Fraction	100	<100	--	<100							
C29 - C36 Fraction	100	<100	--	<100							
Sum of TPH C10 - C36	--	--	--	--							

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E006.2: 8-10g soil extracted with 20ml DCM/Acetone/Hexane (10:45:45). Analysis by GC/FID.

Laboratory Identification		**157119**	**lcs**	**mb**							
Sample Identification		DUP5a	QC	QC							
Depth (m)		--	--	--							
Sampling Date recorded on COC		21/5/08	--	--							
Laboratory Extraction (Preparation) Date		28/5/08	28/5/08	28/5/08							
Laboratory Analysis Date		29/5/08	29/5/08	29/5/08							
Method : E007.2											
Polyaromatic Hydrocarbons (PAH)	**EQL**										
Naphthalene	0.5	<0.5	111%	<0.5							
Acenaphthylene	0.5	<0.5	101%	<0.5							
Acenaphthene	0.5	<0.5	105%	<0.5							
Fluorene	0.5	<0.5	107%	<0.5							
Phenanthrene	0.5	<0.5	116%	<0.5							
Anthracene	0.5	<0.5	115%	<0.5							
Fluoranthene	0.5	<0.5	118%	<0.5							
Pyrene	0.5	<0.5	115%	<0.5							
Benz(a)anthracene	0.5	<0.5	105%	<0.5							
Chrysene	0.5	<0.5	130%	<0.5							
Benzo(b)&(k)fluoranthene	1	<1	116%	<1							
Benzo(a) pyrene	0.5	<0.5	116%	<0.5							
Indeno(1,2,3-c,d)pyrene	0.5	<0.5	109%	<0.5							
Dibenz(a,h)anthracene	0.5	<0.5	123%	<0.5							
Benzo(g,h,i)perylene	0.5	<0.5	128%	<0.5							
Sum of reported PAHs	--	--	--	--							
2-FBP (Surr @ 5mg/kg)	--	*101%*	*113%*	*119%*							
TP-d14 (Surr @ 5mg/kg)	--	*102%*	*106%*	*125%*							

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E007.2: 8-10g soil extracted with 20ml DCM/Acetone/Hexane (10:45:45). Analysis by GC/MS.

Laboratory Identification		**157119**	**crm**	**lcs**	**mb**						
Sample Identification		DUP5a	QC	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		21/5/08	--	--	--						
Laboratory Extraction (Preparation) Date		28/5/08	28/5/08	28/5/08	28/5/08						
Laboratory Analysis Date		29/5/08	28/5/08	29/5/08	29/5/08						
Method : E022.2											
Acid extractable metals (M7)	**EQL**										
Arsenic	1	6	109%	108%	<1						
Cadmium	0.1	0.2	92%	92%	<0.1						
Chromium	1	8	102%	104%	<1						
Copper	2	24	107%	101%	<2						
Nickel	1	5	103%	101%	<1						
Lead	2	31	97%	100%	<2						
Zinc	5	39	93%	103%	<5						

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E022.2: 0.5g digested in nitric/hydrochloric acid. Analysis by ICP-MS.

Laboratory Identification		**157119**	**crm**	**lcs**	**mb**						
Sample Identification		DUP5a	QC	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		21/5/08	--	--	--						
Laboratory Extraction (Preparation) Date		28/5/08	28/5/08	28/5/08	28/5/08						
Laboratory Analysis Date		28/5/08	28/5/08	28/5/08	28/5/08						
Method : E026.2											
Acid extractable mercury	**EQL**										
Mercury	0.05	0.14	89%	99%	<0.05						

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E026.2: 0.5g digested with nitric/hydrochloric acid. Analysis by CV-ICP-MS or FIMS.

Laboratory Identification		**157119**									
Sample Identification		DUP5a									
Depth (m)		--									
Sampling Date recorded on COC		21/5/08									
Laboratory Extraction (Preparation) Date		28/5/08									
Laboratory Analysis Date		29/5/08									
Method : E005.2											
Moisture	**EQL**										
Moisture	--	14									

Results expressed in % w/w unless otherwise specified

Comments:

E005.2: Moisture by gravimetric analysis. Results are in % w/w.

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037774**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	EL00315AH	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4326	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		

Date Sampled (earliest date):	21/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	23/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	27/05/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	02/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32040

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals intact .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

			Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	Polyaromatic Hydrocarbons (PAH)	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)										
157119	21/05		DUP5a	●	●	●	●	●	●	●	●										
			Totals:	1	1	1	1	1	1	1	1										

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
157119	21/05		DUP5a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4326

Laboratory Quotation / Order No: EL003151AH

Job No:

Sheet 2 of 2

Dispatch to: (Address & Phone No.) ALS	Sampled by: NICK GOWMAN	Consigning Officer: L.C. OFFICE
		Date Dispatched: 9/11/1000
Attention: ASHWINI	Project Manager: (report results to) BENEDICT SIMON	Courier Service:
		Consignment Note No:

Relinquished by:	Date:	Time:	Received by:	Date	Time
	22/5			23/5/18 1400	22-5-18 11:10
			selim ALS Sydney	22-5-18	2:25pm
Frank - ALS	23/5/18	1200	E03777K		

Comments	Sample Matrix	Container Type and Preservative	Sample No.	Date Sampled	Analytes Required: PAHs	TPHs	MAHs + EDTEX	Metals 4/8	Asbestos 500g	F1-F4	Sample Condition on Receipt
Sample broken	SOIL	GLASS JAR 1	BH22 0.5-0.7	21/5/18	✓			✓	✓		
			1.0-1.2								
			1.5-1.7					✓	✓		
			2.5-2.7								
Sample broken			BH23 0.5-0.7		✓			✓	✓		
			1.0-1.2					✓	✓		
			1.5-1.7								
Sample broken			2.5-2.7								
sample broken			3.5-3.7					✓	✓		
			DUP 4					✓	✓		
			DUP 5		✓			✓	✓		
Please hold for further work		Acknowledge by selim	DUP 5a 157119		✓			✓	✓		
			DUP 6					✓	✓		
			Trip spike								
		Extra sample	Trip blank								
			BH 24 2.9-3.0								
			TSC								

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: Standard

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: **WHITE**: Sign on receipt. **YELLOW**: If dispatched to interstate Lab, Lab to sign on receipt and fax back to Coffey. **BLUE**: To be returned with results.

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037774**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	EL00315AH	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4326	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		

Date Sampled (earliest date):	21/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	23/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	27/05/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	02/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32040

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals intact .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

			Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	Polyaromatic Hydrocarbons (PAH)	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)										
157119	21/05		DUP5a	●	●	●	●	●	●	●	●										
			Totals:	1	1	1	1	1	1	1	1										

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

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Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 27/05/2008
Report Time : 10:46:18AM

Sample **Receipt** Notice (SRN) for **E037774**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
157119	21/05		DUP5a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4326

Laboratory Quotation / Order No: EL003151AH

Job No:

Sheet 2 of 2

Dispatch to: (Address & Phone No.) ALS	Sampled by: NICK GOWMAN	Consigning Officer: L.C. OFFICE
		Date Dispatched: 9/11/1000
Attention: ASHWINI	Project Manager: (report results to) BENEDICT SIMON	Courier Service:
		Consignment Note No:

Relinquished by:	Date:	Time:	Received by:	Date	Time
	22/5			23/5/18 1400	22-5-18 11:10
			selim ALS Sydney	22-5-18	2:25pm
Frank - ALS	23/5/18	1200	E03777K		

Comments	Sample Matrix	Container Type and Preservative	Sample No.	Date Sampled	Analytes Required: PAHs	TPHs	MAHs + EDTEX	Metals 4/8	Asbestos 500g	F1-F4	Sample Condition on Receipt
Sample broken	SOIL	GLASS JAR 1	BH22 0.5-0.7	21/5/18	✓			✓	✓		
			1.0-1.2								
			1.5-1.7					✓	✓		
			2.5-2.7								
Sample broken			BH23 0.5-0.7		✓			✓	✓		
			1.0-1.2					✓	✓		
			1.5-1.7								
Sample broken			2.5-2.7								
sample broken			3.5-3.7					✓	✓		
			DUP 4					✓	✓		
			DUP 5		✓			✓	✓		
Please hold for further work		Acknowledge by selim	DUP 5a 157119		✓			✓	✓		
			DUP 6					✓	✓		
			Trip spike								
		Extra sample	Trip blank								
			BH 24 2.9-3.0								
			TSC								

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: Standard

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: **WHITE**: Sign on receipt. **YELLOW**: If dispatched to interstate Lab, Lab to sign on receipt and fax back to Coffey. **BLUE**: To be returned with results.

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ENVIRONMENTAL LABORATORIES

Quality, Service, Support

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037901**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	Soil Analysis	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4331	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	27/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	30/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	30/05/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	10/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32167

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

			Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)											
158703	27/05		DUP2 6a	●	●	●	●	●	●	●											
			Totals:	1	1	1	1	1	1	1											

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
158703	27/05		DUP2 6a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4331

Laboratory Quotation / Order No: | Job No: | Sheet: 2 of 3

Dispatch to: (Address & Phone No.): ALS	Sampled by: Nick Cowman	Consigning Officer: Lane Cove office Date Dispatched: 9/11 1000
Attention: Ashwini	Project Manager: (report results to): Benedict Smith	Courier Service: Consignment Note No:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	29/5			29-5-08	16:15
				29/5/08	4:30pm
Frank - ALS 5 & C	30/5/8	1130			

Comments	Sample Matrix	Container Type and Preservative	Sample No.	Date Sampled	Analyses Required: PAHs	TPHs	MAHs + BTEX	Metals	S-5	S-11	Sample Condition on Receipt
	SOIL	GLASS JAR (10)	DUP2 G	27/5/08					/		
Send to Lab work		Acknowledgement (11)	DUP2 Ga	↓					/		158703
		(13)	MW16 0.3-0.7	28/5/08	/				/	/	
		(14)	1.0-1.2						/		
		31	1.5-1.7								
		(15)	2.5-2.7						/		
		32	3.5-3.7								
		(16)	MW6 0.3-0.4		/				/	/	
		33	1.0-1.2								
		(17)	1.5-1.7						/		
		34	2.5-2.7								
		35	MW14 0.5-0.7								
		(18)	1.0-1.2						/		
		36	1.5-1.7								
		(19)	2.5-2.7						/		
		37	3.9-4.0								
	↓	(20) -	BH27 0.5-0.7	↓							

42

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: 5 day

AL 1500 SOS

S5 (TPH/BTEX) 8 weeks

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

E037901

Copies: **WHITE**: Sign on release. **YELLOW**: If dispatched to Interstate Lab, Lab to sign on receipt and fax back to Coffey. **BLUE**: To be returned with results.

LabMark
ENVIRONMENTAL LABORATORIES

Quality, Service, Support

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037901**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	Soil Analysis	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4331	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	27/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	30/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	30/05/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	10/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32167

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

			Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)											
158703	27/05		DUP2 6a	●	●	●	●	●	●	●											
			Totals:	1	1	1	1	1	1	1											

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:26:13PM

Sample **Receipt** Notice (SRN) for **E037901**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
158703	27/05		DUP2 6a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4331

Laboratory Quotation / Order No: | Job No: | Sheet: 2 of 3

Dispatch to: (Address & Phone No.): ALS	Sampled by: Nick Cowman	Consigning Officer: Lane Cove office Date Dispatched: 9/11 1000
Attention: Ashwini	Project Manager: (report results to): Benedict Smith	Courier Service: Consignment Note No:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	29/5			29-5-08	16:15
				29/5/08	4:30pm
Frank - ALS 5 & C	30/5/8	1130			

Comments	Sample Matrix	Container Type and Preservative	Sample No.	Date Sampled	Analyses Required: PAHs	TPHs	MAHs + BTEX	Metals	S-5	S-11	Sample Condition on Receipt
	SOIL	GLASS JAR (10)	DUP2 G	27/5/08					/		
Send to Lab work		Acknowledgement (11)	DUP2 Ga	↓					/		158703
		(13)	MW16 0.3-0.7	28/5/08	/				/	/	
		(14)	1.0-1.2						/		
		31	1.5-1.7								
		(15)	2.5-2.7						/		
		32	3.5-3.7								
		(16)	MW6 0.3-0.4		/				/	/	
		33	1.0-1.2								
		(17)	1.5-1.7						/		
		34	2.5-2.7								
		35	MW14 0.5-0.7								
		(18)	1.0-1.2						/		
		36	1.5-1.7								
		(19)	2.5-2.7						/		
		37	3.9-4.0								
	↓	(20) -	BH27 0.5-0.7	↓							

42

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: 5 day

AL 1500 SOS

S5 (TPH/BTEX) 8 weeks

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

E037901

Copies: **WHITE**: Sign on release. **YELLOW**: If dispatched to Interstate Lab, Lab to sign on receipt and fax back to Coffey. **BLUE**: To be returned with results.

LabMark
ENVIRONMENTAL LABORATORIES

Quality, Service, Support

Report Date : 30/05/2008
Report Time : 5:31:25PM

Sample **Receipt** Notice (SRN) for **E037902**

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037902**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	EL00315AH	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4332	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	28/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	30/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	30/05/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	10/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32168

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:31:25PM

Sample **Receipt** Notice (SRN) for **E037902**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

			Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)											
158704	28/05		DUP2 9a	●	●	●	●	●	●	●											
			Totals:	1	1	1	1	1	1	1											

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 5:31:25PM

Sample **Receipt** Notice (SRN) for **E037902**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
158704	28/05		DUP2 9a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

Laboratory Quotation / Order No:

Job No: ELOOBISAH

№: 4332

Sheet 3 of 3

Dispatch to: (Address & Phone No)	ALS	Sampled by:	Nick Cowman	Consigning Officer:	Lane Cove
				Date Dispatched:	9911 1000
Attention:	Ashwini	Project Manager (report results to):	Benedict Smith	Courier Service:	
				Consignment Note No:	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	29/5		[signature]	24-5-08	12-15
			Sarah Stephens 4-6	29/5/08	4-00
Frank - ALS [illegible]	30/5/08	1130	ALS Sydney		

Comments	Sample Matrix	Container Type and Preservative	Sample No:	Date Sampled	PAHs	TPHs	MAHs + BTEX	Metals	S-5	S-11	Sample Condition on Receipt
	Soil	Glass Tar (20)	BH27 1.0-1.2	28/4/08	/				/		
	↓	38	1.5-1.7	↓							
		39	1.9-2.0								
		(21)	MW10 0.5-0.7						/		
		40	1.5 1.7								
		(22)	1.9-2.0						/		
		41	DUP2 9						/		
Send to labmark.		158704 (*)	DUP2 9a Acknowledge soy						/		
		(23)	DUP2 8						/		
	Extra sample	43	MW10 1.0-1.2	28/5/8							
		44	BH36 3.3-3.4	28/5/08							
		45	M12 2.5-2.7	27/5/8							

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: 5 day

[initials] 30/5 1500

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: WHITE: Sign on release. YELLOW: If dispatched to intermediate Lab, Lab to sign on receipt and fax back to Coffey. BLUE: To be returned with [illegible]

EC37902

LabMark
ENVIRONMENTAL LABORATORIES

AQIS
AUSTRALIAN QUARANTINE AND INSPECTION SERVICE

SYDNEY License No. N0356.

Accredited for compliance with ISO/IEC 17025. The results of tests, calibrations and/or measurements included in this document are traceable to Australian/national standards. NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

Quarantine Approved Premises criteria 5.1 for quarantine containment level 1 (QCI) facilities. Class five criteria cover premises utilised for research, analysis and testing of biological material, soil, animal, plant and human products.

CUSTOMER CENTRIC - ANALYTICAL CHEMISTS

FINAL CERTIFICATE OF ANALYSIS - ENVIRONMENTAL DIVISION

Laboratory Report No:	E037906	Cover Page 1 of 3 plus Sample Results
Client Name:	Coffey Environments Pty Ltd	
Client Reference:	Soil Analysis	
Contact Name:	Benedict Smith	
Chain of Custody No:	4460	Date Received: 29/05/2008
Sample Matrix:	SOIL	Date Reported: 05/06/2008

This Final Certificate of Analysis consists of sample results, DQI's, method descriptions, laboratory definitions, and internationally recognised NATA accreditation and endorsement. The DQO compliance relates specifically to QA/QC results as performed as part of the sample analysis, and may provide an indication of sample result quality. Transfer of report ownership from Labmark to the client shall only occur once full & final payment has been settled and verified. All report copies may be retracted where full payment has not occured within the agreed settlement period.

QUALITY ASSURANCE CRITERIA

Accuracy:	matrix spike:	1 in first 5-20, then 1 every 20 samples
	lcs, crm, method:	1 per analytical batch
	surrogate spike:	addition per target organic method
Precision:	laboratory duplicate:	1 in first 5-10, then 1 every 10 samples
	laboratory triplicate:	re-extracted & reported when duplicate RPD values exceed acceptance criteria
Holding Times:	soils, waters:	Refer to LabMark Preservation & THT table VOC's 14 days water / soil VAC's 7 days water or 14 days acidified VAC's 14 days soil SVOC's 7 days water, 14 days soil Pesticides 7 days water, 14 days soil Metals 6 months general elements Mercury 28 days
Confirmation:	target organic analysis:	GC/MS, or confirmatory column
Sensitivity:	EQL:	Typically 2-5 x Method Detection Limit (MDL)

QUALITY CONTROL GLOBAL ACCEPTANCE CRITERIA (GAC)

Accuracy:	spike, lcs, crm surrogate:	general analytes 70% - 130% recovery phenol analytes 50% - 130% recovery organophosphorous pesticide analytes 60% - 130% recovery phenoxy acid herbicides, organotin 50% - 130% recovery
	anion/cation bal:	+/- 10% (0-3 meq/l), +/- 5% (>3 meq/l)
Precision:	method blank:	not detected >95% of the reported EQL
	duplicate lab RPD (metals):	0-30% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)
	duplicate lab RPD:	0-50% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)

QUALITY CONTROL ANALYTE SPECIFIC ACCEPTANCE CRITERIA (ASAC)

Accuracy:	spike, lcs, crm surrogate:	analyte specific recovery data <3xsd of historical mean
Uncertainty:	spike, lcs:	measurement calculated from historical analyte specific control charts

RESULT ANNOTATION

Data Quality Objective	s:	matrix spike recovery	p:	pending	bcs: batch specific lcs
Data Quality Indicator	d:	laboratory duplicate	lcs:	laboratory control sample	bmb: batch specific mb
Estimated Quantitation Limit	t:	laboratory triplicate	crm:	certified reference material	
not applicable	r:	RPD relative % difference	mb:	method blank	

Geoff Weir
Quality Control (Report signatory)
geoff.weir@labmark.com.au

Ivan Povolny
Authorising Chemist (NATA signatory)
ivan.povolny@labmark.com.au

Simon Mills
Authorising Chemist (NATA signatory)
simon.mills@labmark.com.au

Foundation Member

Laboratory Report: E037906

NEPC GUIDELINE COMPLIANCE - DQO

1. GENERAL

A. Results relate specifically to samples as received. Sample results are not corrected for matrix spike, lcs, or surrogate recovery data.

B. EQL's are matrix dependant and may be increased due to sample dilution or matrix interference.

C. Laboratory QA/QC samples are specific to this project.

D. Inter-laboratory proficiency results are available upon request. NATA accreditation details available at www.nata.asn.au.

E. VOC spikes & surrogates added to samples during extraction, SVOC spikes & surrogates added prior to extraction.

F. Recovery data outside GAC limits shall be investigated and compared to ASAC (historical mean +/- 3sd). If recovery data <20%, then the relevant results for that compound are considered not reliable.

G. Recovery data (ms, surrogate, crm, lcs) outside ASAC limits shall initiate an investigative action. Anomolous QC data is examined in conjunction with other QC samples and a final decision whether to accept or reject results is provided by the professional judgement of the senior analyst. The USEPA-CLP National Functional Guidelines are referred to for specific recommendations.

H. Extraction (preparation) date refers to the date that sample preparation was initiated. Note that certain methods not requiring sample preparation (eg. VOCs in water, etc) may report a common extraction and analysis date.

I. LabMark shall maintain an official copy of this Certificate of Analysis for all tracable reference purposes.

2. CHAIN OF CUSTODY (COC) & SAMPLE RECEIPT NOTICE (SRN) REQUIREMENTS

A. SRN issued to client upon sample receipt & login verification.

B. Preservation & sampling date details specified on COC and SRN, unless noted.

C. Sample Integrity & Validated Time of Sample Receipt (VTSR) Holding Times verified (preservation may extend holding time, refer to preservation chart).

3. NATA ACCREDITED METHODS

A. NATA accreditation held for each in-house method and sample matrix type reported, unless noted below (Refer to subcontracted test reports for NATA accreditation status).

B. NATA accredited in-house laboratory methods are referenced from NEPC, ASTM, modified USEPA / APHA documents. Corporate Accreditation No. 13542.

C. Subcontracted analyses: Refer to Sample Receipt Notice and additional DQO comments.

Laboratory Report: E037906

Cover Page 3 of 3

Foundation Member

4. QA/QC FREQUENCY COMPLIANCE TABLE SPECIFIC TO THIS REPORT

Matrix: **SOIL**

Page:	Method:	Totals:	#d	%d-ratio	#t	#s	%s-ratio
1	BTEX by P&T	3	0	0%	0	0	0%
1	Volatile TPH by P&T (vTPH)	3	0	0%	0	0	0%
2	Petroleum Hydrocarbons (TPH)	3	0	0%	0	0	0%
3	Acid extractable metals (M7)	3	0	0%	0	0	0%
4	Acid extractable mercury	3	0	0%	0	0	0%
5	Moisture	3	--	--	--	--	--

GLOSSARY:

#d	number of discrete duplicate extractions/analyses performed.
%d-ratio	NEPC guideline for laboratory duplicates is 1 in 10 samples (min 10%).
#t	number of triplicate extractions/analyses performed.
#s	number of spiked samples analysed.
%s-ratio	USEPA guideline for laboratory matrix spikes is 1 in 20 samples (min 5%).

5. ADDITIONAL COMMENTS SPECIFIC TO THIS REPORT

A. All tests were conducted by LabMark Environmental Sydney, NATA accreditation No. 13542, Corporate Site No. 13535, unless indicated below.

LabMark
ENVIRONMENTAL LABORATORIES

Laboratory Report No: E037906
Client Name: Coffey Environments Pty Ltd
Contact Name: Benedict Smith
Client Reference: Soil Analysis

Date: 05/06/08

This report supercedes reports issued on: N/A

Final
Certificate
of Analysis

Laboratory Identification		**158714**	**158715**	**158716**	**lcs**	**mb**					
Sample Identification		Dup2a	Dup8a	Dup11a	QC	QC					
Depth (m)		--	--	--	--	--					
Sampling Date recorded on COC		23/5/08	23/5/08	23/5/08	--	--					
Laboratory Extraction (Preparation) Date		3/6/08	3/6/08	3/6/08	3/6/08	3/6/08					
Laboratory Analysis Date		4/6/08	4/6/08	4/6/08	3/6/08	3/6/08					
Method : E002.2											
BTEX by P&T	**EQL**										
Benzene	0.2	<0.2	<0.2	<0.2	111%	<0.2					
Toluene	0.5	<0.5	<0.5	<0.5	109%	<0.5					
Ethylbenzene	0.5	<0.5	<0.5	<0.5	104%	<0.5					
meta- and para-Xylene	1	<1	<1	<1	109%	<1					
ortho-Xylene	0.5	<0.5	<0.5	<0.5	108%	<0.5					
Total Xylene	--	--	--	--	--	--					
CDFB (Surr @ 10mg/kg)	--	*90%*	*88%*	*90%*	*103%*	*100%*					
Method : E003.2											
Volatile TPH by P&T (vTPH)	**EQL**										
C6 - C9 Fraction	10	<10	<10	<10	107%	<10					

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E002.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/PID/MSD.
E003.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/FID.

Laboratory Identification		**158714**	**158715**	**158716**	**lcs**	**mb**					
Sample Identification		Dup2a	Dup8a	Dup11a	QC	QC					
Depth (m)		--	--	--	--	--					
Sampling Date recorded on COC		23/5/08	23/5/08	23/5/08	--	--					
Laboratory Extraction (Preparation) Date		3/6/08	3/6/08	3/6/08	3/6/08	3/6/08					
Laboratory Analysis Date		3/6/08	3/6/08	3/6/08	3/6/08	3/6/08					
Method : E006.2											
Petroleum Hydrocarbons (TPH)	**EQL**										
C10 - C14 Fraction	50	<50	<50	2030	--	<50					
C15 - C28 Fraction	100	<100	<100	3860	124%	<100					
C29 - C36 Fraction	100	<100	110	<100	--	<100					
Sum of TPH C10 - C36	--	--	110	5890	--	--					

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E006.2: 8-10g soil extracted with 20ml DCM/Acetone/Hexane (10:45:45). Analysis by GC/FID.

Laboratory Identification		**158714**	**158715**	**158716**	**crm**	**lcs**	**mb**				
Sample Identification		Dup2a	Dup8a	Dup11a	QC	QC	QC				
Depth (m)		--	--	--	--	--	--				
Sampling Date recorded on COC		23/5/08	23/5/08	23/5/08	--	--	--				
Laboratory Extraction (Preparation) Date		3/6/08	3/6/08	3/6/08	3/6/08	3/6/08	3/6/08				
Laboratory Analysis Date		4/6/08	4/6/08	4/6/08	4/6/08	4/6/08	4/6/08				
Method : E022.2											
Acid extractable metals (M7)	**EQL**										
Arsenic	1	5	7	4	92%	87%	<1				
Cadmium	0.1	<0.1	0.1	0.6	105%	104%	<0.1				
Chromium	1	14	4	6	99%	98%	<1				
Copper	2	<2	41	16	97%	95%	<2				
Nickel	1	<1	13	5	96%	93%	<1				
Lead	2	12	15	22	100%	103%	<2				
Zinc	5	<5	70	153	94%	96%	<5				

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E022.2: 0.5g digested in nitric/hydrochloric acid. Analysis by ICP-MS.

Laboratory Identification		**158714**	**158715**	**158716**	**crm**	**lcs**	**mb**				
Sample Identification		Dup2a	Dup8a	Dup11a	QC	QC	QC				
Depth (m)		--	--	--	--	--	--				
Sampling Date recorded on COC		23/5/08	23/5/08	23/5/08	--	--	--				
Laboratory Extraction (Preparation) Date		3/6/08	3/6/08	3/6/08	3/6/08	3/6/08	3/6/08				
Laboratory Analysis Date		4/6/08	4/6/08	4/6/08	3/6/08	3/6/08	3/6/08				
Method : E026.2											
Acid extractable mercury	**EQL**										
Mercury	0.05	<0.05	<0.05	<0.05	92%	95%	<0.05				

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E026.2: 0.5g digested with nitric/hydrochloric acid. Analysis by CV-ICP-MS or FIMS.

Laboratory Identification		**158714**	**158715**	**158716**							
Sample Identification		Dup2a	Dup8a	Dup11a							
Depth (m)		--	--	--							
Sampling Date recorded on COC		23/5/08	23/5/08	23/5/08							
Laboratory Extraction (Preparation) Date		3/6/08	3/6/08	3/6/08							
Laboratory Analysis Date		4/6/08	4/6/08	4/6/08							
Method : E005.2											
Moisture	**EQL**										
Moisture	--	22	14	13							

Results expressed in % w/w unless otherwise specified

Comments:

E005.2: Moisture by gravimetric analysis. Results are in % w/w.

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 2/06/2008
Report Time : 3:21:03PM

Sample **Receipt** Notice (SRN) for **E037906**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037906**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	Soil Analysis	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4460	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	23/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	29/05/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	02/06/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	05/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required:No

Invoice Number: 32172

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 6:09:42PM

Sample **Receipt** Notice (SRN) for **E037906**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

				Requested Analysis																			
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)													
158714	23/05		Dup2a	●	●	●	●	●	●	●													
158715	23/05		Dup8a	●	●	●	●	●	●	●													
158716	23/05		Dup11a	●	●	●	●	●	●	●													
			Totals:	3	3	3	3	3	3	3													

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 30/05/2008
Report Time : 6:09:42PM

Sample **Receipt** Notice (SRN) for **E037906**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis																			
				M8 - M7-T_S																			
158714	23/05		Dup2a	●																			
158715	23/05		Dup8a	●																			
158716	23/05		Dup11a	●																			
			Totals:	3																			

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4460

Laboratory Quotation / Order No: EO37906 | Job No: | Sheet 3 of 3

Dispatch to: (Address & Phone No.) ALS	Sampled by: N.C.	Consigning Officer: L.C. Office Date Dispatched: 9911 1000
Attention: Ashwini B Smith	Project Manager: (report results to) Benedict Smith	Courier Service: Consignment Note No:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			Frank - ALS	29/5/8	1500
Frank - ALS	29/5/8	1130			
	Sample Temp:	6.0°C			

Comments	Sample Matrix	Container Type and Preservative	Sample No.	Date Sampled	Analyses Required: PAHs	TPHs	MAHs = BTEX	Metals	S-5	S-11										Sample Condition on Receipt
	SOIL	JAR (14)	BH20 0.5-0.7	23/5					✓											
		(15)	1.0-1.2						✓											
		44	2.0-2.2																	
		45	2.5-2.7																	
		(16)	BH8 0.5-0.7		✓				✓											
		46	1.0-1.2																	
		47	1.3-1.5																	
		(17)	2.5-2.7						✓											
		(18)	~~BH8 2.5~~ Dup 2						✓											
Send to Labmark acknowledge by Sally			~~Dup 2a~~ Dup 2a						✓									155714		
		(19)	Dup 7						✓											
		(20)	Dup 8						✓											
Send to Labmark acknowledge by Sally			Dup 8a						✓									155715		
		48	Dup 9																	
		(21)	Dup 10						✓											
		(22)	Dup 11						✓											
Please forward to Labmark acknowledge Sally			Dup 11a						✓									155716		
		49	TSC																	

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: 5 day

need SK 29/8/08

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: WHITE: Sign on release. YELLOW: If dispatched to Interstate Lab, Lab to sign on receipt and fax back to Coffey. BLUE: To be returned with results.

WA2205-05

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 05/06/2008
Report Time : 11:47:56

Sample **Receipt** Notice (SRN) for **E037997**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E037997**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	Soil	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	- Not provided -	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	29/05/2008	**NATA Accreditation:**	13542
Date Samples Received:	04/06/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	05/06/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	13/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32264

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 05/06/2008
Report Time : 11:47:56

Sample **Receipt** Notice (SRN) for **E037997**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

No.	Date	Depth	Client Sample ID	Requested Analysis: BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	Polyaromatic Hydrocarbons (PAH)	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)											
159987	29/05		Dup2 11a	●	●	●	●	●	●	●	●											
			Totals:	1	1	1	1	1	1	1	1											

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 05/06/2008
Report Time : 11:47:56

Sample **Receipt** Notice (SRN) for **E037997**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis: M8 - M7-T_S																		
159987	29/05		Dup2 11a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4334

Laboratory Quotation / Order No

Project No

Sheet

Sampled by

Consignment Note No E03997

Project Manager (Report results to)

Courier Service

Date Dispatched

Relinquished by

Date Time Received by

Frank - AES

Date Time

Analysis Required

Containers

Sample Type

Container Type and Preservative

Sample No

Date Sampled

PAHs

TPHs

Metals

Sample Receipt Temperature

Special Instructions/Investigations

Laboratory Comments

Transport Required

Copies: WHITE: YELLOW: BLUE:

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

LabMark
ENVIRONMENTAL LABORATORIES

ilac-MRA NATA No. 13542.

Accredited for compliance with ISO/IEC 17025. The results of tests, calibrations and/or measurements included in this document are traceable to Australian/national standards. NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

AQIS
AUSTRALIAN QUARANTINE AND INSPECTION SERVICE
SYDNEY License No. N0356.

Quarantine Approved premises criteria 5.1 for quarantine containment level 1 (QCI) facilities. Class five criteria cover premises utilised for research, analysis,and/or testing of biological material, soil, animal, plant and human products.

CUSTOMER CENTRIC - ANALYTICAL CHEMISTS

FINAL CERTIFICATE OF ANALYSIS - ENVIRONMENTAL DIVISION

Laboratory Report No:	E038040
Client Name:	Coffey Environments Pty Ltd
Client Reference:	EL00315AH
Contact Name:	Benedict Smith
Chain of Custody No:	4348
Sample Matrix:	SOIL

Cover Page 1 of 4
plus Sample Results

Date Received: 05/06/2008
Date Reported: 16/06/2008

This Final Certificate of Analysis consists of sample results, DQI's, method descriptions, laboratory definitions, and internationally recognised NATA accreditation and endorsement. The DQO compliance relates specifically to QA/QC results as performed as part of the sample analysis, and may provide an indication of sample result quality. Transfer of report ownership from Labmark to the client shall only occur once full & final payment has been settled and verified. All report copies may be retracted where full payment has not occured within the agreed settlement period.

QUALITY ASSURANCE CRITERIA

Accuracy:	matrix spike:	1 in first 5-20, then 1 every 20 samples
	lcs, crm, method:	1 per analytical batch
	surrogate spike:	addition per target organic method
Precision:	laboratory duplicate:	1 in first 5-10, then 1 every 10 samples
	laboratory triplicate:	re-extracted & reported when duplicate RPD values exceed acceptance criteria
Holding Times:	soils, waters:	Refer to LabMark Preservation & THT table VOC's 14 days water / soil VAC's 7 days water or 14 days acidified VAC's 14 days soil SVOC's 7 days water, 14 days soil Pesticides 7 days water, 14 days soil Metals 6 months general elements Mercury 28 days
Confirmation:	target organic analysis:	GC/MS, or confirmatory column
Sensitivity:	EQL:	Typically 2-5 x Method Detection Limit (MDL)

QUALITY CONTROL GLOBAL ACCEPTANCE CRITERIA (GAC)

Accuracy:	spike, lcs, crm surrogate:	general analytes 70% - 130% recovery phenol analytes 50% - 130% recovery organophosphorous pesticide analytes 60% - 130% recovery phenoxy acid herbicides, organotins 50% - 130% recovery
	anion/cation bal:	+/- 10% (0-3 meq/l), +/- 5% (>3 meq/l)
Precision:	method blank:	not detected >95% of the reported EQL
	duplicate lab RPD (metals):	0-30% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)
	duplicate lab RPD:	0-50% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)

QUALITY CONTROL ANALYTE SPECIFIC ACCEPTANCE CRITERIA (ASAC)

Accuracy:	spike, lcs, crm surrogate:	analyte specific recovery data <3xsd of historical mean
Uncertainty:	spike, lcs:	measurement calculated from historical analyte specific control charts

RESULT ANNOTATION

DQO:	Data Quality Objective	s:	matrix spike recovery	p:	pending
DQI:	Data Quality Indicator	d:	laboratory duplicate	lcs:	laboratory control sample
EQL:	Estimated Quantitation Limit	t:	laboratory triplicate	crm:	certified reference material
- - :	not applicable	r:	RPD relative % difference	mb:	method blank

David Burns
Quality Control (Report signatory)
david.burns@labmark.com.au

Geoff Weir
Authorising Chemist (NATA signatory)
geoff.weir@labmark.com.au

Simon Mills
Authorising Chemist (NATA signatory)
simon.mills@labmark.com.au

This document is issued in accordance with NATA's accreditation requirements.

Foundation Member

Laboratory Report: E038040

NEPC GUIDELINE COMPLIANCE - DQO

1. GENERAL

A. Results relate specifically to samples as received. Sample results are not corrected for matrix spike, lcs, or surrogate recovery data.

B. EQL's are matrix dependant and may be increased due to sample dilution or matrix interference.

C. Laboratory QA/QC samples are specific to this project.

D. Inter-laboratory proficiency results are available upon request. NATA accreditation details available at www.nata.asn.au.

E. VOC spikes & surrogates added to samples during extraction, SVOC spikes & surrogates added prior to extraction.

F. Recovery data outside GAC limits shall be investigated and compared to ASAC (historical mean +/- 3sd). If recovery data <20%, then the relevant results for that compound are considered not reliable.

G. Recovery data (ms, surrogate, crm, lcs) outside ASAC limits shall initiate an investigative action. Anomolous QC data is examined in conjunction with other QC samples and a final decision whether to accept or reject results is provided by the professional judgement of the senior analyst. The USEPA-CLP National Functional Guidelines are referred to for specific recommendations.

H. Extraction (preparation) date refers to the date that sample preparation was initiated. Note that certain methods not requiring sample preparation (eg. VOCs in water, etc) may report a common extraction and analysis date.

I. LabMark shall maintain an official copy of this Certificate of Analysis for all tracable reference purposes.

2. CHAIN OF CUSTODY (COC) & SAMPLE RECEIPT NOTICE (SRN) REQUIREMENTS

A. SRN issued to client upon sample receipt & login verification.

B. Preservation & sampling date details specified on COC and SRN, unless noted.

C. Sample Integrity & Validated Time of Sample Receipt (VTSR) Holding Times verified (preservation may extend holding time, refer to preservation chart).

3. NATA ACCREDITED METHODS

A. NATA accreditation held for each method and sample matrix type reported, unless noted below.

B. NATA accredited in-house laboratory methods are referenced from NEPC, ASTM, modified USEPA / APHA documents. Corporate Accreditation No. 13542.

C. Subcontracted analyses: Refer to Sample Receipt Notice and additional DQO comments.

LabMark PTY LTD ABN 27 079 798 397
* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 * Telephone: (02) 9476 6533 * Fax: (02) 9476 8219
* MELBOURNE: 116 Moray Street, South Melbourne VIC 3205 * Telephone: (03) 9686 8344 * Fax: (03) 9686 7344

Laboratory Report: E038040

Foundation Member

4. QA/QC FREQUENCY COMPLIANCE TABLE SPECIFIC TO THIS REPORT

Matrix: **SOIL**

Page:	Method:	Totals:	#d	%d-ratio	#t	#s	%s-ratio
1	BTEX by P&T	1	0	0%	0	0	0%
1	Volatile TPH by P&T (vTPH)	1	0	0%	0	0	0%
2	Petroleum Hydrocarbons (TPH)	1	0	0%	0	0	0%
3	Acid extractable metals (M7)	1	0	0%	0	0	0%
4	Acid extractable mercury	1	0	0%	0	0	0%
5	Moisture	1	--	--	--	--	--

GLOSSARY:

#d	number of discrete duplicate extractions/analyses performed.
%d-ratio	NEPC guideline for laboratory duplicates is 1 in 10 samples (min 10%).
#t	number of triplicate extractions/analyses performed.
#s	number of spiked samples analysed.
%s-ratio	USEPA guideline for laboratory matrix spikes is 1 in 20 samples (min 5%).

5. ADDITIONAL COMMENTS SPECIFIC TO THIS REPORT

A. All tests were conducted by LabMark Environmental Sydney, NATA accreditation No. 13542, Corporate Site No. 13535, unless indicated below.

LabMark PTY LTD ABN 27 079 798 397
* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 * MELBOURNE: 116 Moray Street, South Melbourne VIC 3205
* Telephone: (02) 9476 6533 * Fax: (02) 9476 8219 * Telephone: (03) 9686 8344 * Fax: (03) 9686 7344

LabMark
ENVIRONMENTAL LABORATORIES

CUSTOMER CENTRIC - ANALYTICAL CHEMISTS

Foundation
Member

Laboratory Report: E038040

Cover Page 4 of 4

Laboratory QA/QC data shall relate specifically to this report, and may provide an indication of site specific sample result quality. LabMark DOES NOT report NON-RELEVANT BATCH QA/QC data. Acceptance of this self assessment certificate does not preclude any requirement for a QA/QC review by a accredited contaminated site EPA auditor, when and wherever necessary. Laboratory QA/QC self assessment references available upon request.

LabMark PTY LTD ABN 27 079 798 397
* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 * MELBOURNE: 116 Moray Street, South Melbourne VIC 3205
* Telephone: (02) 9476 6533 * Fax: (02) 9476 8219 * Telephone: (03) 9686 8344 * Fax: (03) 9686 7344

LabMark
ENVIRONMENTAL LABORATORIES

Laboratory Report No: E038040
Client Name: Coffey Environments Pty Ltd
Contact Name: Benedict Smith
Client Reference: EL00315AH

Date: 16/06/08
This report supercedes reports issued on: N/A

Final
Certificate
of Analysis

Laboratory Identification		**160206**	**lcs**	**mb**							
Sample Identification		Dup 213a	QC	QC							
Depth (m)		--	--	--							
Sampling Date recorded on COC		3/6/08	--	--							
Laboratory Extraction (Preparation) Date		11/6/08	11/6/08	11/6/08							
Laboratory Analysis Date		16/6/08	11/6/08	11/6/08							
Method : E002.2											
BTEX by P&T	**EQL**										
Benzene	0.2	<0.2	118%	<0.2							
Toluene	0.5	<0.5	115%	<0.5							
Ethylbenzene	0.5	<0.5	96%	<0.5							
meta- and para-Xylene	1	<1	93%	<1							
ortho-Xylene	0.5	0.5	91%	<0.5							
Total Xylene	--	0.5	--	--							
CDFB (Surr @ 10mg/kg)	--	*85%*	*102%*	*104%*							
Method : E003.2											
Volatile TPH by P&T (vTPH)	**EQL**										
C6 - C9 Fraction	10	<10	94%	<10							

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E002.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/PID/MSD.
E003.2: 8-10g soil extracted with 20ml methanol. Analysis by P&T/GC/FID.

Laboratory Identification		**160206**	**lcs**	**mb**							
Sample Identification		Dup 213a	QC	QC							
Depth (m)		--	--	--							
Sampling Date recorded on COC		3/6/08	--	--							
Laboratory Extraction (Preparation) Date		11/6/08	11/6/08	11/6/08							
Laboratory Analysis Date		12/6/08	11/6/08	11/6/08							
Method : E006.2											
Petroleum Hydrocarbons (TPH)	**EQL**										
C10 - C14 Fraction	50	<50	--	<50							
C15 - C28 Fraction	100	<100	85%	<100							
C29 - C36 Fraction	100	<100	--	<100							
Sum of TPH C10 - C36	--	--	--	--							

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E006.2: 8-10g soil extracted with 20ml DCM/Acetone/Hexane (10:45:45). Analysis by GC/FID.

Laboratory Identification		**160206**	**crm**	**lcs**	**mb**						
Sample Identification		Dup 213a	QC	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		3/6/08	--	--	--						
Laboratory Extraction (Preparation) Date		11/6/08	11/6/08	11/6/08	11/6/08						
Laboratory Analysis Date		11/6/08	11/6/08	11/6/08	11/6/08						
Method : E022.2											
Acid extractable metals (M7)	**EQL**										
Arsenic	1	7	95%	100%	<1						
Cadmium	0.1	<0.1	93%	103%	<0.1						
Chromium	1	15	97%	92%	<1						
Copper	2	16	93%	100%	<2						
Nickel	1	1	94%	93%	<1						
Lead	2	24	92%	97%	<2						
Zinc	5	34	91%	103%	<5						

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E022.2: 0.5g digested in nitric/hydrochloric acid. Analysis by ICP-MS.

Laboratory Identification		**160206**	**crm**	**lcs**	**mb**						
Sample Identification		Dup 213a	QC	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		3/6/08	--	--	--						
Laboratory Extraction (Preparation) Date		11/6/08	11/6/08	11/6/08	11/6/08						
Laboratory Analysis Date		12/6/08	11/6/08	11/6/08	11/6/08						
Method : E026.2											
Acid extractable mercury	**EQL**										
Mercury	0.05	0.05	103%	92%	<0.05						

Results expressed in mg/kg dry weight unless otherwise specified

Comments:

E026.2: 0.5g digested with nitric/hydrochloric acid. Analysis by CV-ICP-MS or FIMS.

Laboratory Identification		**160206**									
Sample Identification		Dup 213a									
Depth (m)		--									
Sampling Date recorded on COC		3/6/08									
Laboratory Extraction (Preparation) Date		11/6/08									
Laboratory Analysis Date		12/6/08									
Method : E005.2											
Moisture	**EQL**										
Moisture	--	24									

Results expressed in % w/w unless otherwise specified

Comments:

E005.2: Moisture by gravimetric analysis. Results are in % w/w.

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 5/06/2008
Report Time : 5:47:53PM

Sample **Receipt** Notice (SRN) for **E038040**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E038040**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	EL00315AH	**Sample Receipt Contact:**	Jakleen El Galada
Project Number:	- Not provided -	**Email:**	jakleen.galada@labmark.com.au
CoC Serial Number:	4348	**Reporting Contact:**	Jyothi Lal
Purchase Order:	- Not provided -	**Email:**	jyothi.lal@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	SOIL		
Date Sampled (earliest date):	03/06/2008	**NATA Accreditation:**	13542
Date Samples Received:	05/06/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	05/06/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	16/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32309

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals not used .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 5/06/2008
Report Time : 5:47:53PM

Sample **Receipt** Notice (SRN) for **E038040**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

				Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Acid extractable mercury	Acid extractable metals (M7)	Moisture	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)												
160206	03/06		Dup 213a	●	●	●	●	●	●	●												
			Totals:	1	1	1	1	1	1	1												

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 5/06/2008
Report Time : 5:47:53PM

Sample **Receipt** Notice (SRN) for **E038040**

Quality, Service, Support

				Requested Analysis																		
No.	**Date**	**Depth**	**Client Sample ID**	M8 - M7-T_S																		
160206	03/06		Dup 213a	●																		
			Totals:	1																		

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 4348

Dispatch to Address & Phone No	ALS
Attention	A
Sampled by	
Project Manager	
Relinquished by	Frank – ALS
Date	4/5/08 / 05/06/08
Time	0800
Received by	[illegible] – ALS
Date	6/6/08

Comments	Container Type and Preservation	Sample No	Date Sampled
		(1)	
		(2)	
		(3)	
		(4)	
		(5)	
		213 (6)	
		213a (7)	

[redacted]

160206

EO38040

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

Special Laboratory Instructions

Turnaround Required

5/6/08 13 45

LabMark
ENVIRONMENTAL LABORATORIES

Accredited for compliance with ISO/IEC 17025. The results of tests, calibrations and/or measurements included in this document are traceable to Australian/national standards. NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

AQIS
AUSTRALIAN QUARANTINE AND INSPECTION SERVICE

SYDNEY License No. N0356.

Quarantine Approved Premises criteria 5.1 for quarantine containment level 1 (QCI) facilities. Class five criteria cover premises utilised for research, analysis and testing of biological material, soil, animal, plant and human products.

CUSTOMER CENTRIC - ANALYTICAL CHEMISTS

FINAL CERTIFICATE OF ANALYSIS - ENVIRONMENTAL DIVISION

Laboratory Report No:	E038088	Cover Page 1 of 3 plus Sample Results
Client Name:	Coffey Environments Pty Ltd	
Client Reference:	ENVILCOV00315AH	
Contact Name:	Benedict Smith	
Chain of Custody No:	09842	Date Received: 11/06/2008
Sample Matrix:	WATER	Date Reported: 19/06/2008

This Final Certificate of Analysis consists of sample results, DQI's, method descriptions, laboratory definitions, and internationally recognised NATA accreditation and endorsement. The DQO compliance relates specifically to QA/QC results as performed as part of the sample analysis, and may provide an indication of sample result quality. Transfer of report ownership from Labmark to the client shall only occur once full & final payment has been settled and verified. All report copies may be retracted where full payment has not occured within the agreed settlement period.

QUALITY ASSURANCE CRITERIA

Accuracy:	matrix spike:	1 in first 5-20, then 1 every 20 samples
	lcs, crm, method:	1 per analytical batch
	surrogate spike:	addition per target organic method
Precision:	laboratory duplicate:	1 in first 5-10, then 1 every 10 samples
	laboratory triplicate:	re-extracted & reported when duplicate RPD values exceed acceptance criteria
Holding Times:	soils, waters:	Refer to LabMark Preservation & THT table VOC's 14 days water / soil VAC's 7 days water or 14 days acidified VAC's 14 days soil SVOC's 7 days water, 14 days soil Pesticides 7 days water, 14 days soil Metals 6 months general elements Mercury 28 days
Confirmation:	target organic analysis:	GC/MS, or confirmatory column
Sensitivity:	EQL:	Typically 2-5 x Method Detection Limit (MDL)

QUALITY CONTROL GLOBAL ACCEPTANCE CRITERIA (GAC)

Accuracy:	spike, lcs, crm surrogate:	general analytes 70% - 130% recovery phenol analytes 50% - 130% recovery organophosphorous pesticide analytes 60% - 130% recovery phenoxy acid herbicides, organotin 50% - 130% recovery
	anion/cation bal:	+/- 10% (0-3 meq/l), +/- 5% (>3 meq/l)
Precision:	method blank:	not detected >95% of the reported EQL
	duplicate lab RPD (metals):	0-30% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)
	duplicate lab RPD:	0-50% (>10xEQL), 0-75% (5-10xEQL) 0-100% (<5xEQL)

QUALITY CONTROL ANALYTE SPECIFIC ACCEPTANCE CRITERIA (ASAC)

Accuracy:	spike, lcs, crm surrogate:	analyte specific recovery data <3xsd of historical mean
Uncertainty:	spike, lcs:	measurement calculated from historical analyte specific control charts

RESULT ANNOTATION

Data Quality Objective	s:	matrix spike recovery	p:	pending	bcs: batch specific lcs
Data Quality Indicator	d:	laboratory duplicate	lcs:	laboratory control sample	bmb: batch specific mb
Estimated Quantitation Limit	t:	laboratory triplicate	crm:	certified reference material	
not applicable	r:	RPD relative % difference	mb:	method blank	

Ivan Povolny
Quality Control (Report signatory)
ivan.povolny@labmark.com.au

Geoff Weir
Authorising Chemist (NATA signatory)
geoff.weir@labmark.com.au

Simon Mills
Authorising Chemist (NATA signatory)
simon.mills@labmark.com.au

Foundation Member

Laboratory Report: E038088

NEPC GUIDELINE COMPLIANCE - DQO

1. GENERAL

A. Results relate specifically to samples as received. Sample results are not corrected for matrix spike, lcs, or surrogate recovery data.

B. EQL's are matrix dependant and may be increased due to sample dilution or matrix interference.

C. Laboratory QA/QC samples are specific to this project.

D. Inter-laboratory proficiency results are available upon request. NATA accreditation details available at www.nata.asn.au.

E. VOC spikes & surrogates added to samples during extraction, SVOC spikes & surrogates added prior to extraction.

F. Recovery data outside GAC limits shall be investigated and compared to ASAC (historical mean +/- 3sd). If recovery data <20%, then the relevant results for that compound are considered not reliable.

G. Recovery data (ms, surrogate, crm, lcs) outside ASAC limits shall initiate an investigative action. Anomolous QC data is examined in conjunction with other QC samples and a final decision whether to accept or reject results is provided by the professional judgement of the senior analyst. The USEPA-CLP National Functional Guidelines are referred to for specific recommendations.

H. Extraction (preparation) date refers to the date that sample preparation was initiated. Note that certain methods not requiring sample preparation (eg. VOCs in water, etc) may report a common extraction and analysis date.

I. LabMark shall maintain an official copy of this Certificate of Analysis for all tracable reference purposes.

2. CHAIN OF CUSTODY (COC) & SAMPLE RECEIPT NOTICE (SRN) REQUIREMENTS

A. SRN issued to client upon sample receipt & login verification.

B. Preservation & sampling date details specified on COC and SRN, unless noted.

C. Sample Integrity & Validated Time of Sample Receipt (VTSR) Holding Times verified (preservation may extend holding time, refer to preservation chart).

3. NATA ACCREDITED METHODS

A. NATA accreditation held for each in-house method and sample matrix type reported, unless noted below (Refer to subcontracted test reports for NATA accreditation status).

B. NATA accredited in-house laboratory methods are referenced from NEPC, ASTM, modified USEPA / APHA documents. Corporate Accreditation No. 13542.

C. Subcontracted analyses: Refer to Sample Receipt Notice and additional DQO comments.

Laboratory Report: E038088

Cover Page 3 of 3

Foundation Member

4. QA/QC FREQUENCY COMPLIANCE TABLE SPECIFIC TO THIS REPORT

Matrix: **WATER**

Page:	Method:	Totals:	#d	%d-ratio	#t	#s	%s-ratio
1	BTEX by P&T	2	0	0%	0	0	0%
1	Volatile TPH by P&T (vTPH)	2	0	0%	0	0	0%
2	Petroleum Hydrocarbons (TPH)	2	0	0%	0	0	0%
3	Filtered metals (M7)	2	0	0%	0	0	0%
4	Filtered mercury	2	0	0%	0	0	0%

GLOSSARY:

#d	number of discrete duplicate extractions/analyses performed.
%d-ratio	NEPC guideline for laboratory duplicates is 1 in 10 samples (min 10%).
#t	number of triplicate extractions/analyses performed.
#s	number of spiked samples analysed.
%s-ratio	USEPA guideline for laboratory matrix spikes is 1 in 20 samples (min 5%).

5. ADDITIONAL COMMENTS SPECIFIC TO THIS REPORT

A. All tests were conducted by LabMark Environmental Sydney, NATA accreditation No. 13542, Corporate Site No. 13535, unless indicated below.

Laboratory QA/QC data shall relate specifically to this report, and may provide an indication of site specific sample result quality. LabMark DOES NOT report NON-RELEVANT BATCH QA/QC data. Acceptance of this self assessment certificate does not preclude any requirement for a QA/QC review by a accredited contaminated site EPA auditor, when and wherever necessary. Laboratory QA/QC self assessment references available upon request.

LabMark
ENVIRONMENTAL LABORATORIES

Laboratory Report No: E038088
Client Name: Coffey Environments Pty Ltd
Contact Name: Benedict Smith
Client Reference: ENVILCOV00315AH

Page: 1 of 4
plus cover page
Date: 19/06/08
This report supercedes reports issued on: N/A

Final
Certificate
of Analysis

Laboratory Identification		**160806**	**160807**	**lcs**	**mb**						
Sample Identification		Dup01a	Dup02a	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		5/6/08	5/6/08	--	--						
Laboratory Extraction (Preparation) Date		16/6/08	16/6/08	16/6/08	16/6/08						
Laboratory Analysis Date		19/6/08	19/6/08	17/6/08	17/6/08						
Method : E002.1											
BTEX by P&T	**EQL**										
Benzene	1	<1	2	97%	<1						
Toluene	1	<1	<1	97%	<1						
Ethylbenzene	1	<1	<1	96%	<1						
meta- & para-Xylene	2	<2	<2	94%	<2						
ortho-Xylene	1	<1	<1	92%	<1						
Total Xylene	--	--	--	--	--						
4-BFB (Surr @ 100ug/l)	--	*96%*	*96%*	*101%*	*101%*						
Method : E003.1											
Volatile TPH by P&T (vTPH)	**EQL**										
C6-C9	50	<50	<50	98%	<50						

Results expressed in ug/l unless otherwise specified

Comments:

E002.1: Direct injection into P&T/GC/PID/MSD.
E003.1: Direct injection into P&T/GC/FID.

Laboratory Identification		**160806**	**160807**	**lcs**	**mb**						
Sample Identification		Dup01a	Dup02a	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		5/6/08	5/6/08	--	--						
Laboratory Extraction (Preparation) Date		12/6/08	12/6/08	12/6/08	12/6/08						
Laboratory Analysis Date		18/6/08	18/6/08	16/6/08	16/6/08						
Method : E004.1											
Petroleum Hydrocarbons (TPH)	**EQL**										
C10-C14 Fraction	50	90	160	--	<50						
C15-C28 Fraction	200	<200	<200	79%	<200						
C29-C36 Fraction	50	<50	<50	--	<50						
Sum of TPH C10 - C36	--	90	160	--	--						

Results expressed in ug/l unless otherwise specified

Comments:

E004.1: Triple extraction with DCM. Analysis by GC/FID.

Laboratory Identification		**160806**	**160807**	**lcs**	**mb**						
Sample Identification		Dup01a	Dup02a	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		5/6/08	5/6/08	--	--						
Laboratory Extraction (Preparation) Date		13/6/08	13/6/08	13/6/08	13/6/08						
Laboratory Analysis Date		13/6/08	13/6/08	13/6/08	13/6/08						
Method : E022.1											
Filtered metals (M7)	**EQL**										
Arsenic	1	*<5	*<5	112%	<1						
Cadmium	0.1	0.2	<0.1	108%	<0.1						
Chromium	1	*<5	*<5	114%	<1						
Copper	1	18	<1	116%	<1						
Nickel	1	27	7	113%	<1						
Lead	1	6	<1	104%	<1						
Zinc	5	123	6	114%	<5						

Results expressed in ug/l unless otherwise specified

Comments: *EQL increased due to matrix interference.

E022.1: Filtered HNO3 preserved sample directly analysed by ICP-MS.

Laboratory Identification		**160806**	**160807**	**lcs**	**mb**						
Sample Identification		Dup01a	Dup02a	QC	QC						
Depth (m)		--	--	--	--						
Sampling Date recorded on COC		5/6/08	5/6/08	--	--						
Laboratory Extraction (Preparation) Date		13/6/08	13/6/08	13/6/08	13/6/08						
Laboratory Analysis Date		16/6/08	16/6/08	16/6/08	16/6/08						
Method : E026.1											
Filtered mercury	**EQL**										
Mercury	0.1	<0.1	<0.1	89%	<0.1						

Results expressed in ug/l unless otherwise specified

Comments:

E026.1: Analysis by CV-ICP-MS or FIMS following BrCl pre-treatment.

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 11/06/2008
Report Time : 6:30:53PM

Sample **Receipt** Notice (SRN) for **E038088**

Quality, Service, Support

Client Details		Laboratory Reference Information	
Client Name:	Coffey Environments Pty Ltd	**Please have this information ready when contacting Labmark.**	
Client Phone:	02 8083 1600		
Client Fax:	02 8765 0762	**Laboratory Report:**	**E038088**
Contact Name:	Benedict Smith	**Quotation Number:**	- Not provided, standard prices apply
Contact Email:	benedict_smith@coffey.com	**Laboratory Address:**	Unit 1, 8 Leighton Pl. Asquith NSW 2077
Client Address:	Level 1, 3 Rider Boulevard Rhodes NSW 2138	**Phone:**	61 2 9476 6533
		Fax:	61 2 9476 8219
Project Name:	ENVILCOV00315AH	**Sample Receipt Contact:**	Ros Schacht
Project Number:	- Not provided -	**Email:**	Ros.Schacht@labmark.com.au
CoC Serial Number:	09842	**Reporting Contact:**	Geoff Weir
Purchase Order:	- Not provided -	**Email:**	geoff.weir@labmark.com.au
Surcharge:	No surcharge applied (results by 6:30pm on due date)		
Sample Matrix:	WATER		
Date Sampled (earliest date):	05/06/2008	**NATA Accreditation:**	13542
Date Samples Received:	11/06/2008	**TGA GMP License:**	185-336 (Sydney)
Date Sample Receipt Notice issued:	11/06/2008	**APVMA License:**	6105 (Sydney)
Date Preliminary Report Due:	19/06/2008	**AQIS Approval:**	NO356 (Sydney)
		AQIS Entry Permit:	200521534 (Sydney)

Reporting Requirements: Electronic Data Download required: No

Invoice Number: 32364

Sample Condition: COC received with samples. Report number and lab ID's defined on COC.
Samples received in good order .
Samples received with cooling media: Crushed ice .
Samples received chilled.
Security seals intact .
Sample container & chemical preservation suitable .

Comments:

Holding Times: Date received allows for sufficient time to meet Technical Holding Times.

Preservation: Chemical preservation of samples satisfactory for requested analytes.

Important Notes:

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of $1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HN03 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur $5.00/ sample/ 3 months. Additional refrigerated storage shall incur $30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

Analysis comments:

Subcontracted Analyses:

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 11/06/2008
Report Time : 6:30:53PM

Sample **Receipt** Notice (SRN) for **E038088**

Quality, Service, Support

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE

				Requested Analysis																			
No.	**Date**	**Depth**	**Client Sample ID**	BTEX by P&T	Filtered mercury	Filtered metals (M7)	PREP Not Reported	Petroleum Hydrocarbons (TPH)	Volatile TPH by P&T (vTPH)														
160806	05/06		Dup01a	●	●	●	●	●	●														
160807	05/06		Dup02a	●	●	●	●	●	●														
			Totals:	2	2	2	2	2	2														

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

LabMark
ENVIRONMENTAL LABORATORIES

Report Date : 11/06/2008
Report Time : 6:30:53PM

Sample **Receipt** Notice (SRN) for **E038088**

Quality, Service, Support

No.	Date	Depth	Client Sample ID	Requested Analysis																			
				M8 - M7-F_W																			
160806	05/06		Dup01a	●																			
160807	05/06		Dup02a	●																			
			Totals:	2																			

Thank you for choosing Labmark to analyse your project samples.
Additional information on www.labmark.com.au

coffey

Chain of Custody

No: 1 of 2

Laboratory: ALS

E0380&&

Project: Sample Keep

Sampled by: Nathan Fuser/ Nick Lucan

Project Manager: Benedict Smith

Company Office: LCOV

Date Dispatched: 6/6/08

Courier Service: Cross City

Consignment Note No: N/A

Relinquished by: Nathan Fuser

Frank - ALS

Received by: Sey Skepu / ALS Sydney

Date	Time
6/6/08	11.30am
11/6/08	1030
6/6/8	2.00pm

Analysis Request

Laboratory ID	Container Type and Preservation	Sample ID		Date Sampled	W-3	W-14
water	1 x 500ml amber, 1 x 250ml metals/ plastic & 2 x 40ml vials/glass	MW20	1	5/6/08	/	/
	"	MW19	2		/	/
	"	MW2	3		/	/
	"	MW4	4		/	
	"	MW7	5		/	
	"	MW6	6		/	
	"	MW8	7		/	/
	"	MW9	8		/	
	"	MW10	9		/	
	"	MW11	10		/	
	"	DUP01	11		/	
160806	"	DUP01A		received	/	
	"	DUP2	12		/	
160807	"	DUP2A		received	/	
	"	MW12	15	6/6/08	/	/

Environmental Division Sydney Work Order ES0808102

* Please forward DUP2A and DUP01A to Labmark for analysis then contact Ben Smith if you have any questions.

Turnaround Required

COC NUMBER MUST BE REFERENCED IN ALL SUBSEQUENT PAGES

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

CERTIFICATE OF ANALYSIS

Work Order	: **ES0807194**	Page	: 1 of 13
Client	: **COFFEY ENVIRONMENTS PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MS BENEDICT SMITH	Contact	: Ashwini Sharma
Address	: 8/12 MARS ROAD LANE COVE WEST NSW, AUSTRALIA 2066	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: benedict_smith@coffey.com	E-mail	: Ashwini.Sharma@alsenviro.com
Telephone	: 9911 1000	Telephone	: +61-2-8784 8555
Facsimile	: 9911 1001	Facsimile	: +61-2-8784 8500
Project	: EL00315AH	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: 4322-24	Date Samples Received	: 22-MAY-2008
Sampler	: NC	Issue Date	: 02-JUN-2008
Site	: ----		
		No. of samples received	: 37
Quote number	: EN/007/08	No. of samples analysed	: 20

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ashwini Sharma	Laboratory Manager	Inorganics
Celine Conceicao	Spectroscopist	Inorganics
Edwandy Fadjar	Senior Organic Chemist	Organics
Hoa Nguyen		Inorganics
Pabi Subba	Senior Organic Chemist (Volatile)	Inorganics
PHALAK INTHAKESONE	Organics Co-ordinator	Inorganics
PHALAK INTHAKESONE	Organics Co-ordinator	Organics

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been preformed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insuffient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client.

Key : CAS Number = Chemistry Abstract Services number
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: MW6 0.5-0.7	MW6 1.5-1.7	MW6 2.5-2.7	MW6 4.5-4.7	MW6 7.5-7.7
Client sampling date / time				20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-001	ES0807194-003	ES0807194-004	ES0807194-006	ES0807194-008
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	12.4	12.7	11.9	14.9	15.8
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	8	7	10	10	6
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	3	<1
Chromium	7440-47-3	2	mg/kg	8	8	7	28	8
Copper	7440-50-8	5	mg/kg	42	40	32	165	11
Lead	7439-92-1	5	mg/kg	26	30	26	267	16
Nickel	7440-02-0	2	mg/kg	16	20	14	25	<2
Zinc	7440-66-6	5	mg/kg	86	174	88	553	11
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	0.5	<0.1
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.10	mg/kg	<0.10	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	0.05	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	----	----	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: MW6 0.5-0.7	MW6 1.5-1.7	MW6 2.5-2.7	MW6 4.5-4.7	MW6 7.5-7.7
Client sampling date / time				20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-001	ES0807194-003	ES0807194-004	ES0807194-006	ES0807194-008
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	**113**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	**100**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	**87.0**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	**59.8**	**60.1**	----	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%	**72.5**	**72.5**	----	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%	**73.1**	**73.5**	----	----	----
EP075(SIM)T: PAH Surrogates								

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: MW6 0.5-0.7	MW6 1.5-1.7	MW6 2.5-2.7	MW6 4.5-4.7	MW6 7.5-7.7
				Client sampling date / time: 20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-001	ES0807194-003	ES0807194-004	ES0807194-006	ES0807194-008
EP075(SIM)T: PAH Surrogates - Continued								
2-Fluorobiphenyl	321-60-8	0.1	%	**90.2**	**88.0**	----	----	----
Anthracene-d10	1719-06-8	0.1	%	**90.0**	**86.8**	----	----	----
4-Terphenyl-d14	1718-51-0	0.1	%	**90.9**	**88.0**	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.1	%	**105**	**94.1**	**87.9**	**110**	**100**
Toluene-D8	2037-26-5	0.1	%	**102**	**106**	**121**	**109**	**106**
4-Bromofluorobenzene	460-00-4	0.1	%	**108**	**102**	**113**	**105**	**104**

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH2 0.5-0.8	BH2 1.5-1.7	BH4 0.5-0.7	BH4 1.5-1.7	BH4 2.5-2.7
Client sampling date / time				20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-010	ES0807194-011	ES0807194-013	ES0807194-015	ES0807194-016
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	14.3	20.6	13.0	8.0	5.3
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	6	14	8	7	10
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	7	15	15	8	9
Copper	7440-50-8	5	mg/kg	12	14	37	24	30
Lead	7439-92-1	5	mg/kg	8	10	94	24	10
Nickel	7440-02-0	2	mg/kg	5	<2	26	6	5
Zinc	7440-66-6	5	mg/kg	43	<5	193	1330	28
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	<0.5	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL				Client sample ID	BH2 0.5-0.8	BH2 1.5-1.7	BH4 0.5-0.7	BH4 1.5-1.7	BH4 2.5-2.7
				Client sampling date / time	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
Compound	CAS Number	LOR	Unit		ES0807194-010	ES0807194-011	ES0807194-013	ES0807194-015	ES0807194-016
EP080: BTEX - Continued									
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		59.5	----	59.7	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%		71.9	----	71.7	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%		69.9	----	69.7	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		87.3	----	87.5	----	----
Anthracene-d10	1719-06-8	0.1	%		84.9	----	86.8	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		86.0	----	87.0	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		92.3	101	118	129	86.3
Toluene-D8	2037-26-5	0.1	%		100	98.3	122	120	120
4-Bromofluorobenzene	460-00-4	0.1	%		102	104	120	122	115

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: DUP 2	BH7 0.5-0.7	BH7 1.0-1.2	BH7 2.5-2.7	BH7 4.0-4.2
				Client sampling date / time: 20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-018	ES0807194-020	ES0807194-021	ES0807194-023	ES0807194-025
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	11.3	9.3	16.4	18.7	19.2
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	8	8	17	13	8
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	8	9	4	46	13
Copper	7440-50-8	5	mg/kg	18	50	14	24	8
Lead	7439-92-1	5	mg/kg	8	28	11	26	24
Nickel	7440-02-0	2	mg/kg	5	13	15	8	<2
Zinc	7440-66-6	5	mg/kg	55	82	26	368	12
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	----	<0.5	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL				Client sample ID	DUP 2	BH7 0.5-0.7	BH7 1.0-1.2	BH7 2.5-2.7	BH7 4.0-4.2
				Client sampling date / time	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
Compound	CAS Number	LOR	Unit		ES0807194-018	ES0807194-020	ES0807194-021	ES0807194-023	ES0807194-025
EP080: BTEX - Continued									
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		57.9	58.3	----	60.4	----
2-Chlorophenol-D4	93951-73-6	0.1	%		69.8	70.2	----	72.9	----
2.4.6-Tribromophenol	118-79-6	0.1	%		70.1	69.9	----	73.7	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		86.6	87.2	----	87.8	----
Anthracene-d10	1719-06-8	0.1	%		85.8	85.6	----	85.8	----
4-Terphenyl-d14	1718-51-0	0.1	%		88.2	88.2	----	87.6	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		110	105	86.4	112	85.5
Toluene-D8	2037-26-5	0.1	%		113	105	103	109	119
4-Bromofluorobenzene	460-00-4	0.1	%		115	108	83.9	108	113

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH7 6.8-7.0	BH10 0.5-0.7	BH10 1.0-1.2	BH10 5.5-5.7	BH10 10.0-10.2
Client sampling date / time				20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
				ES0807194-027	ES0807194-029	ES0807194-030	ES0807194-035	ES0807194-037
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	**26.8**	**9.3**	**10.0**	**9.7**	**45.8**
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**8**	**8**	**8**	**7**	**28**
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	**9**
Chromium	7440-47-3	2	mg/kg	**11**	**9**	**9**	**9**	**148**
Copper	7440-50-8	5	mg/kg	**38**	**48**	**42**	**46**	**759**
Lead	7439-92-1	5	mg/kg	**159**	**22**	**22**	**19**	**835**
Nickel	7440-02-0	2	mg/kg	**4**	**25**	**33**	**30**	**77**
Zinc	7440-66-6	5	mg/kg	**225**	**87**	**116**	**119**	**3770**
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	**0.2**	**0.1**	<0.1	<0.1	**4.6**
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	**0.6**	----	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	**1.2**	----	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	**1.2**	----	<0.5	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	**0.7**	----	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	**0.7**	----	<0.5	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	**0.9**	----	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	**0.7**	----	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	**0.6**	----	<0.5	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	**240**
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	**2370**
C29 - C36 Fraction	----	100	mg/kg	**200**	<100	<100	<100	**2400**
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL				Client sample ID	BH7 6.8-7.0	BH10 0.5-0.7	BH10 1.0-1.2	BH10 5.5-5.7	BH10 10.0-10.2
				Client sampling date / time	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00	20-MAY-2008 15:00
Compound	CAS Number	LOR	Unit		ES0807194-027	ES0807194-029	ES0807194-030	ES0807194-035	ES0807194-037
EP080: BTEX - Continued									
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		58.4	----	60.0	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%		72.0	----	72.9	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%		77.4	----	74.8	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		92.1	----	87.5	----	----
Anthracene-d10	1719-06-8	0.1	%		94.2	----	88.7	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		90.2	----	87.9	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		95.2	120	85.9	106	91.2
Toluene-D8	2037-26-5	0.1	%		104	118	118	104	86.5
4-Bromofluorobenzene	460-00-4	0.1	%		91.4	106	114	94.8	78.9

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%) Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	10	164
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	10	136
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	10	136
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	24	113
2-Chlorophenol-D4	93951-73-6	23	134
2.4.6-Tribromophenol	118-79-6	19	122
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	30	115
Anthracene-d10	1719-06-8	27	133
4-Terphenyl-d14	1718-51-0	18	137
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121

coffey

Chain of Custody

No: 4322

Laboratory Quotation / Order No:

Job No: [illegible]

Sheet 1 of [illegible]

Dispatch to Address & Phone No: ALS	Sampled by: NICK COUNIHAN	Consigning Officer: [illegible]	
Attention: ASHWINI	Project Manager (report results to): BENEDICT SMITH	Courier Service:	Consignment Note No:

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	22/5		[illegible]	[illegible]	[illegible]
			Sety ALS Sydney	22-5	2.25pm

Analyses Required

Comments	Sample Matrix	Container Type and Preservation	Sample No	Date Sampled	PAHs	TPHs	BTEX	Metals	VOC	TA										Sample Condition on Receipt
	SOIL	GLASS JAR & ZIP LOCK BAG	1 MW6 0.5-0.7	20/5/08				✓	✓	✓										
			2 [illegible]																	
			3 [illegible] 1.7		✓			✓	✓											
			4 1.5-2.7					✓	✓											
			5 [illegible] 2.7																	
			6 [illegible] 7					✓	✓											
			7 [illegible]																	
			8 7.5-7.7					✓	✓											
			9 [illegible]																	
			10 [illegible]		✓			✓	✓											
			11 [illegible]					✓	✓											
			12 [illegible]																	
			13 [illegible]		✓			✓	✓											
			14 [illegible]																	
			15 [illegible]					✓	✓											
			16 [illegible] 7					✓	✓											
			17 [illegible]																	

Environmental Division
Sydney
Work Order
ES0807194

Telephone: [illegible] 8784 8555

Special Laboratory Instructions:

Detection Limits:

Turnaround Required: Standard

JOB NUMBER **MUST** BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: WHITE: [illegible] YELLOW: [illegible] BLUE: [illegible]

coffey

Chain of Custody

No: 4323

Laboratory Quotation Order No: E0051501

Job No:

Sheet 2 of 2

Dispatch to: ALS
Address & Phone No:

Sampled by:

Consignee Officer:

Date Dispatched:

Attention:

Project Manager to report results to:

Courier Service:

Consignment Note No.:

Relinquished by	Date	Time	Received by	Date	Time
	21/5		Sidney ALS Sydney	22-5	2:20pm

Container	Sample Matrix	Container Type and Preservative	Sample No	Date Sampled	Analyses Required: PAHs	PAHs	BTEX	Metals	As		Sample Condition when Received
			DUP A	21/5/15							
			DUP B								
			TRIP								

Special Laboratory Instructions:

Date Sent Lab:

Turnaround Required:

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: WHITE: [illegible] YELLOW: [illegible] BLUE: To be returned with results

coffey

Chain of Custody

No: 4324

Laboratory Quotation / Order No

Job No: GE0815.01

Sheet 3 of 3

Dispatch to Address & Phone No	ALS	Sampled by	NICK COWMAN
		Consigning Officer	
		Date Dispatched	
Attention	ASHWINI	Project Manager Report results to	BENEDICT SMITH
		Courier Service	
		Consignment Note No	

Relinquished by	Date	Time	Received by	Date	Time
			Sely ALS Sydney	22-5	

Comments	Sample Matrix	Container Type and Preservative	Sample No	Date Sampled	PAHs	TPHs	Metals - BTEX	OCPs			Sample Condition on Receipt
	Soil	Glass Jar	BH10 5.5-5.7	20/5/02				/	/		
			7.6-7.2								
			10.0-10.2					/	/		
			12.4-12.5								

Special Laboratory Instructions

Detection Limits

Turnaround Required

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

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ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

CERTIFICATE OF ANALYSIS

Work Order	: **ES0807197**	Page	: 1 of 11
Client	: **COFFEY ENVIRONMENTS PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MS BENEDICT SMITH	Contact	: Ashwini Sharma
Address	: 8/12 MARS ROAD LANE COVE WEST NSW, AUSTRALIA 2066	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: benedict_smith@coffey.com	E-mail	: Ashwini.Sharma@alsenviro.com
Telephone	: 9911 1000	Telephone	: +61-2-8784 8555
Facsimile	: 9911 1001	Facsimile	: +61-2-8784 8500
Project	: EL00315AH	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: 4320-21	Date Samples Received	: 22-MAY-2008
Sampler	: NC & BS	Issue Date	: 30-MAY-2008
Site	: ----		
		No. of samples received	: 27
Quote number	: EN/007/08	No. of samples analysed	: 14

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Celine Conceicao	Spectroscopist	Inorganics
Edwandy Fadjar	Senior Organic Chemist	Inorganics
Edwandy Fadjar	Senior Organic Chemist	Organics
Hoa Nguyen		Inorganics

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been preformed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insuffient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client.

Key : CAS Number = Chemistry Abstract Services number
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH3 1.0-1.2	BH3 1.4-1.5	BH3 2.5-2.7	BH9 1.0-1.2	BH9 2.5-2.7
Client sampling date / time				19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00
				ES0807197-002	ES0807197-003	ES0807197-004	ES0807197-008	ES0807197-010
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	21.2	21.2	11.1	13.9	19.1
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	10	9	9	7	8
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	9	14	10	16	16
Copper	7440-50-8	5	mg/kg	54	15	24	53	32
Lead	7439-92-1	5	mg/kg	24	16	9	27	93
Nickel	7440-02-0	2	mg/kg	6	<2	<2	43	6
Zinc	7440-66-6	5	mg/kg	71	36	8	94	119
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	0.2	<0.1	<0.1	<0.1	0.2
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.10	mg/kg	----	----	----	<0.10	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	----	----	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	----	----	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	----	----	----	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	----	----	----	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	----	----	----	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	----	----	----	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	----	----	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	----	----	----	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	----	----	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	----	----	----	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	----	----	----	0.08	----
4.4`-DDE	72-55-9	0.05	mg/kg	----	----	----	<0.05	----
Endrin	72-20-8	0.05	mg/kg	----	----	----	<0.05	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	----	----	----	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	----	----	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	----	----	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	----	----	----	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	----	----	----	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	----	----	----	<0.2	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	<0.5	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH3 1.0-1.2	BH3 1.4-1.5	BH3 2.5-2.7	BH9 1.0-1.2	BH9 2.5-2.7
				Client sampling date / time: 19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00
				ES0807197-002	ES0807197-003	ES0807197-004	ES0807197-008	ES0807197-010
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	<0.5	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg	**2.4**	----	----	<0.5	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	<0.5	----
Fluoranthene	206-44-0	0.5	mg/kg	**0.9**	----	----	<0.5	----
Pyrene	129-00-0	0.5	mg/kg	**0.9**	----	----	<0.5	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Chrysene	218-01-9	0.5	mg/kg	**0.9**	----	----	<0.5	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	**0.5**	----	----	<0.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	<0.5	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	<0.5	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	<0.5	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	**180**	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	----	----	**136**	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	----	----	----	**116**	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	----	----	----	**101**	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	**97.6**	----	----	**111**	----
2-Chlorophenol-D4	93951-73-6	0.1	%	**92.1**	----	----	**97.9**	----
2.4.6-Tribromophenol	118-79-6	0.1	%	**67.2**	----	----	**73.8**	----
EP075(SIM)T: PAH Surrogates								

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH3 1.0-1.2	BH3 1.4-1.5	BH3 2.5-2.7	BH9 1.0-1.2	BH9 2.5-2.7
				Client sampling date / time: 19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00
				ES0807197-002	ES0807197-003	ES0807197-004	ES0807197-008	ES0807197-010
EP075(SIM)T: PAH Surrogates - Continued								
2-Fluorobiphenyl	321-60-8	0.1	%	**90.5**	----	----	**94.9**	----
Anthracene-d10	1719-06-8	0.1	%	**83.3**	----	----	**94.4**	----
4-Terphenyl-d14	1718-51-0	0.1	%	**84.2**	----	----	**90.3**	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.1	%	**84.8**	**84.6**	**88.7**	**85.3**	**90.4**
Toluene-D8	2037-26-5	0.1	%	**88.2**	**85.2**	**92.7**	**88.1**	**93.2**
4-Bromofluorobenzene	460-00-4	0.1	%	**79.2**	**80.4**	**87.9**	**83.0**	**88.5**

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH9 4.2-4.4	MW2 D1	MW2 D3	MW2 D4	DUP 1
				Client sampling date / time: 19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00
				ES0807197-012	ES0807197-013	ES0807197-015	ES0807197-016	ES0807197-017
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	**16.0**	**21.5**	**10.4**	**11.4**	**16.4**
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**18**	**6**	**9**	<5	**9**
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	**18**	**13**	**7**	**4**	**19**
Copper	7440-50-8	5	mg/kg	**185**	**13**	**15**	**10**	**30**
Lead	7439-92-1	5	mg/kg	**232**	**46**	**12**	**11**	**97**
Nickel	7440-02-0	2	mg/kg	**32**	**3**	<2	<2	**6**
Zinc	7440-66-6	5	mg/kg	**181**	**85**	**6**	<5	**118**
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	**0.1**	<0.1	<0.1	**0.1**
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	----	----	----
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	----	<0.5	----	----	----
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	----	<0.5	----	----	----
Pyrene	129-00-0	0.5	mg/kg	----	<0.5	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	<0.5	----	----	----
Chrysene	218-01-9	0.5	mg/kg	----	<0.5	----	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	----	<0.5	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	<0.5	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	<0.5	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	<0.5	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	<0.5	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL				Client sample ID	BH9 4.2-4.4	MW2 D1	MW2 D3	MW2 D4	DUP 1
				Client sampling date / time	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00
Compound	CAS Number	LOR	Unit		ES0807197-012	ES0807197-013	ES0807197-015	ES0807197-016	ES0807197-017
EP080: BTEX - Continued									
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		----	102	----	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%		----	87.3	----	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%		----	73.6	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		----	106	----	----	----
Anthracene-d10	1719-06-8	0.1	%		----	93.5	----	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		----	83.4	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		97.4	80.7	90.6	81.0	90.1
Toluene-D8	2037-26-5	0.1	%		96.4	84.5	88.1	81.2	84.9
4-Bromofluorobenzene	460-00-4	0.1	%		91.0	79.6	86.4	80.6	84.0

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID	BH6 0.5-0.7	BH6 1.5-1.7	BH6 4.5-4.7	BH6 7.0-7.2	----
				Client sampling date / time	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	----
					ES0807197-018	ES0807197-020	ES0807197-023	ES0807197-025	----
EA055: Moisture Content									
^ Moisture Content (dried @ 103°C)	----	1.0	%		**14.2**	**21.7**	**32.0**	**15.7**	----
EG005T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		**7**	**9**	**11**	<5	----
Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	----
Chromium	7440-47-3	2	mg/kg		**8**	**15**	**14**	**9**	----
Copper	7440-50-8	5	mg/kg		**32**	**14**	**36**	**74**	----
Lead	7439-92-1	5	mg/kg		**35**	**20**	**9**	**8**	----
Nickel	7440-02-0	2	mg/kg		**18**	**4**	<2	**18**	----
Zinc	7440-66-6	5	mg/kg		**68**	**36**	**12**	**67**	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	<0.1	<0.1	<0.1	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	<10	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	----
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
EP080: BTEX									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	----
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----

Analytical Results

Sub-Matrix: SOIL				Client sample ID	BH6 0.5-0.7	BH6 1.5-1.7	BH6 4.5-4.7	BH6 7.0-7.2	----
				Client sampling date / time	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	19-MAY-2008 15:00	----
Compound	CAS Number	LOR	Unit		ES0807197-018	ES0807197-020	ES0807197-023	ES0807197-025	----
EP080: BTEX - Continued									
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		108	106	103	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%		92.3	86.4	89.4	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%		70.4	73.4	72.0	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		93.2	100	95.6	----	----
Anthracene-d10	1719-06-8	0.1	%		93.8	101	98.1	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		87.6	85.9	86.1	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		83.7	87.9	86.6	93.0	----
Toluene-D8	2037-26-5	0.1	%		85.8	89.1	85.1	89.9	----
4-Bromofluorobenzene	460-00-4	0.1	%		81.7	87.9	83.2	87.7	----

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%) Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	10	164
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	10	136
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	10	136
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	24	113
2-Chlorophenol-D4	93951-73-6	23	134
2.4.6-Tribromophenol	118-79-6	19	122
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	30	115
Anthracene-d10	1719-06-8	27	133
4-Terphenyl-d14	1718-51-0	18	137
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121

coffey

Chain of Custody

No: 4320

Laboratory Quotation / Order No: EXCISION

Job No:

Sheet: of

Laboratory to Address & Phone No: ALS

Attention: ASHWINI

Sampled by: NICK COMINATO BEN SMITH

Project Manager / Coordinator: BENEDICT SMITH

Consigning Office: LANE COVE

Date Dispatched: 21/5/08

Courier Service:

Consignment / Note No:

Relinquished by	Date	Time	Received by	Date	Time
	21/5		Jacky ALS Sydney	22-5	2:25

Comments	Sample Matrix	Container Type and Preservation	Sample No.	Date Sampled	Analysis Required: PAHs	TPH	MAHs - BTEX	Metals	5 X	5 X 1	Sample Condition on Receipt
	SOIL	GLASS JAR + ZIP	1 BH3 0.5-0.6	19/5/08	✓			✓	✓		
			2 1.0-1.2		✓			✓	✓		
			3 1.4-1.5					✓	✓		
			4 2.5-2.7					✓	✓		
			5 3.5-3.7								
			6 4.5-4.7								
We held BH3 5.4-5.6			7 5.4-5.5								
			8 BH9 1.0-1.2		✓			✓	✓	✓	
			9 1.5-1.7								
			10 2.5-2.7					✓	✓		
			11 3.5-3.7								
			12 4.2-4.4					✓	✓		
			13 MUD D1		✓			✓	✓		
			14 D2								
			15 D3					✓	✓		
			16 D4					✓	✓		
			17 D DUP 1					✓	✓		

Environmental Division Sydney

Work Order

ES0807197

Special Laboratory Instructions:

Detection Limits:

Turnaround Required:

JOB NUMBER MUST BE REFERENCED ON ALL ANY SEQUENCE PAGES

Copies: WHITE: [illegible] YELLOW: [illegible] BLUE: To be returned with results

coffey

Chain of Custody

Laboratory Quotation / Order No

Job No: E1003IS.1M

No: 4321

Sheet 1 of 2

Dispatch to Address & Phone No: ALS	Sampled by: Nick Cowman	Consignment Officer: [illegible]	Date Dispatched: 9911-1000
Attention: Ashwin	Project Manager (report results to): Benedict Smith	Courier Service:	Consignment Note No:

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	2/5/[illegible]		[illegible]	[illegible]	12:[illegible]
			Sely ALS Sydney	2-2-5-[illegible]	2:25PM

Comments	Sample Matrix	Container Type and Preservative	Sample No	Date Sampled	PAHs	TPH	MAHs - BTEX	Metals	S-VC	S-[illegible]									Turnover Condition on Receipt
	SOIL	GLASS JAR & (18)	BH6 0.5-0.7	1/5/[illegible]	/			/	/										
		~~Zip Lock Bag~~ (19)	1.5-1.2					~~/~~	~~/~~										
		(20)	1.5-1.7		/			/	/										
		(21)	2.5-2.7																
		(22)	3.5-3.7																
		(23)	4.5-4.7		/			/	/										
		(24)	5.5-5.7																
		(25)	7.5-7.7					/	/										
	↓	↓ (26)	8.5-8.7	↓															
		Extra sample (27)	Dup (3)																

Special Laboratory Instructions:

Detection Limits: Turnaround Required: [illegible]

JOB NUMBER MUST BE REFERENCED ON ALL SUBSEQUENT PAGES

Copies: WHITE: [illegible] YELLOW: [illegible] to Coffey BLUE: [illegible]

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

CERTIFICATE OF ANALYSIS

Work Order	: **ES0807210**	Page	: 1 of 11
Client	: **COFFEY ENVIRONMENTS PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MS BENEDICT SMITH	Contact	: Ashwini Sharma
Address	: 8/12 MARS ROAD LANE COVE WEST NSW, AUSTRALIA 2066	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: benedict_smith@coffey.com	E-mail	: Ashwini.Sharma@alsenviro.com
Telephone	: 9911 1000	Telephone	: +61-2-8784 8555
Facsimile	: 9911 1001	Facsimile	: +61-2-8784 8500
Project	: EL00315AH	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: 4325-26	Date Samples Received	: 22-MAY-2008
Sampler	: ----	Issue Date	: 30-MAY-2008
Site	: ----		
		No. of samples received	: 26
Quote number	: EN/007/08	No. of samples analysed	: 12

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Celine Conceicao	Spectroscopist	Inorganics
Edwandy Fadjar	Senior Organic Chemist	Inorganics
Edwandy Fadjar	Senior Organic Chemist	Organics
Hoa Nguyen		Inorganics
Sarah Millington	Senior Inorganic Chemist	Inorganics
Victor Kedicioglu	Business Manager - NSW	Inorganics

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been preformed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insuffient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client.

Key : CAS Number = Chemistry Abstract Services number
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH21 0.5-0.7	BH21 1.0-1.2	BH21 1.5-1.7	BH23 0.5-0.7	BH23 2.5-2.7
				Client sampling date / time: 21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00
				ES0807210-005	ES0807210-006	ES0807210-007	ES0807210-009	ES0807210-012
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	**15.0**	----	**11.2**	**12.7**	**11.2**
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**6**	**6**	**12**	**11**	**11**
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	**7**	**10**	**16**	**11**	**6**
Copper	7440-50-8	5	mg/kg	**32**	**37**	**22**	**28**	**13**
Lead	7439-92-1	5	mg/kg	**60**	**51**	<5	**32**	<5
Nickel	7440-02-0	2	mg/kg	**7**	**9**	<2	**14**	<2
Zinc	7440-66-6	5	mg/kg	**70**	**42**	**12**	**127**	<5
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.10	mg/kg	<0.10	----	----	<0.10	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	----	<0.05	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	<0.05	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	<0.05	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	<0.2	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	----	----	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BH21 0.5-0.7	BH21 1.0-1.2	BH21 1.5-1.7	BH23 0.5-0.7	BH23 2.5-2.7
				Client sampling date / time: 21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00	21-MAY-2008 15:00
				ES0807210-005	ES0807210-006	ES0807210-007	ES0807210-009	ES0807210-012
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	----	----	----
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	----	<0.5	----	----	----
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	----	<0.5	----	----	----
Pyrene	129-00-0	0.5	mg/kg	----	<0.5	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	<0.5	----	----	----
Chrysene	218-01-9	0.5	mg/kg	----	<0.5	----	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	----	<0.5	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	<0.5	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	<0.5	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	<0.5	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	----	<0.5	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg	<100	<100	<100	<100	<100
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	**117**	----	----	**80.0**	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	**109**	----	----	**108**	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	**95.8**	----	----	**91.1**	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	----	**103**	----	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%	----	**95.6**	----	----	----
2.4.6-Tribromophenol	118-79-6	0.1	%	----	**97.3**	----	----	----
EP075(SIM)T: PAH Surrogates								