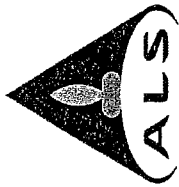


April 2015

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VW-VES(HK) LTD	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1510853
Address	:	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: jennifer.chan@veolia.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	:	Telephone	: +852 2610 1044		
Facsimile	:	Facsimile	: +852 2610 2021		
Project	:	Quote number	:	Date Samples Received	: 01-APR-2015
Order number	:			Issue Date	: 27-APR-2015
C-O-C number	:			No. of samples received	: 3
Site	:			No. of samples analysed	: 3

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Signatories

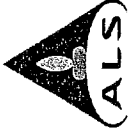
Fung Lim Chee, Richard

General Manager

Authorised results for

Inorganics

ALS Laboratory Group
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11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
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A Campbell Brothers Limited Company



Page Number : 2 of 6
Client : VW-VES(HK) LTD
Work Order : HK1510853

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 13-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
Specific comments for Work Order: **HK1510853**

Sample(s) were picked up from client by ALS Technicians (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		Unit
			Client sampling date / time	Client sample ID	
			31-MAR-2015 12:45	31-MAR-2015 15:25	
			01-APR-2015 08:10		
			HK1510853-001	HK1510853-002	HK1510853-003
EA/ED: Physical and Aggregate Properties					
EA002: pH Value	—	0.1	9.9	10.2	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	14.2	19.7	22.0
EP: Aggregate Organics					
EP005: Total Organic Carbon	—	0.05	—	<0.05	—



Page Number : 4 of 6
 Client : VW-VES(HK) LTD
 Work Order : HK1510853

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		Unit	ASH BE	ASH BE	RESIDUE BF
		LOR	Client sampling date / time				
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1		mg/L	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/L	<1	<1	<1
EG020: Barium	7440-39-3	1		mg/L	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/L	<1	<1	<1
EG020: Cadmium	7440-48-8	1.0		mg/L	<1.0	—	—
EG020: Cadmium	7440-43-8	1		mg/L	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/L	<1	<1	<1
EG020: Copper	7440-50-9	1		mg/L	<1	<1	6
EG020: Lead	7439-92-1	1		mg/L	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/L	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/L	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/L	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		mg/L	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/L	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/L	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/L	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/L	<1	<1	1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
					1	1	2



Page Number : 5 of 6
 Client : VW-VES(HK) LTD
 Work Order : HK1510853

Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3885456)								
HK1510853-001	ASH BE	EA055: Moisture Content (dried @ 103°C)		0.1	%	14.2	14.9	5.1
EA/ED: Physical and Aggregate Properties (QC Lot: 3891340)								
HK1511196-011	Anonymous	EA002: pH Value		0.1	pH Unit	11.0	11.0	0.0
EP: Aggregate Organics (QC Lot: 3893543)								
HK1510853-002	ASH BE	EP005: Total Organic Carbon		0.05	%	<0.05	<0.05	0.0
HK1511196-019	Anonymous	EP005: Total Organic Carbon		0.05	%	0.76	0.78	2.7

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report								
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
EP: Aggregate Organics (QC Lot: 3893543)														
EP005: Total Organic Carbon		0.05	%	<0.05	40 %	102			91	115				
Matrix: WATER														
Method Blank (MB) Report														
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report														
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit

Matrix: SOIL		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report								
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3885902)														
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.3			76	118				
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	107			73	123				
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	99.1			85	117				
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	92.6			78	122				
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	96.4			77	123				
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.1			80	118				
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	107			75	119				
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	100			82	108				
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	95.8			79	117				
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	108			78	118				
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	105			82	122				
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	92.5			75	111				
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	92.4			82	106				
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	96.6			81	119				
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	109			80	122				
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	103			76	122				



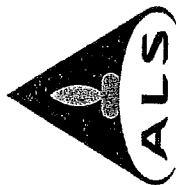
Page Number : 6 of 6
 Client : VW-VES(HK) LTD
 Work Order : HK1510853

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				Value	High	Low	Control Limit		
EP: Aggregate Organics (QC Lot: 3893543)		EP005: Total Organic Carbon		40 %	93.0	—	75	125	—
HK1511053-012	Anonymous								
Matrix: WATER									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				Value	High	Low	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 3885902)									
HK1510853-001	ASH BE	EG020: Antimony	7440-36-0	1 mg/L	103	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	110	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	104	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	92.4	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	96.2	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	100	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	99.9	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	91.0	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	97.8	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	102	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	115	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	84.4	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	89.0	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	103	—	75	125	—
		EG020: Vanadium	7440-82-2	1 mg/L	108	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	104	—	75	125	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : **VW-VES(HK) LTD**
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Facsimile :
Project :
Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem (HK) Pty Ltd**
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E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : **---**

Page : **1 of 10**
Work Order : **HK1511053**

Date Samples Received : **02-APR-2015**
Issue Date : **27-APR-2015**
No. of samples received : **12**
No. of samples analysed : **12**

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Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group
Trading Name: **ALS Technichem (HK) Pty Ltd**
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Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com
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Page Number : 2 of 10
Client : VW-VES(HK) LTD
Work Order : HK1511053

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 13-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
Specific comments for Work Order: **HK1511053**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE 3 DAY TEST	ASH BE 3 DAY TEST	ASH BE	ASH BE	ASH BE 3 DAY TEST
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	—	0.1	11.4	10.3	10.3	10.3	10.0	10.1	10.1
EA055: Moisture Content (dried @ 103°C)	—	0.1	<0.1	0.4	17.2	17.2	0.1	0.1	0.1



Page Number : 4 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1511053

Sub-Matrix: SOLID		Client sample ID		ASH BE	RESIDUE BE	RESIDUE BE 3 DAY TEST	RESIDUE BE 3 DAY TEST	RESIDUE BE 3 DAY TEST
Compound	CAS Number	LOR	Unit	Client sampling date / time	Client sampling date / time	Client sampling date / time	Client sampling date / time	Client sampling date / time
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	pH Unit	02-APR-2015 05:20	01-APR-2015 11:30	01-APR-2015 18:00	01-APR-2015 13:00	01-APR-2015 18:00
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	HK1511053-007	HK1511053-008	HK1511053-006	HK1511053-009	HK1511053-010
EP: Aggregate Organics								
EP006: Total Organic Carbon	—	0.05	%	11.4	10.0	10.3	10.3	9.9
				<0.1	1.0	<0.1	2.1	2.2
				—	—	—	—	2.07



Page Number : 5 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1511053

Sub-Matrix: SOLID		Client sample ID		RESIDUE BE		RESIDUE BF	
		Client sampling date / time		02-APR-2015 05:10		01-APR-2015 11:15	
Compound	CAS Number	LOR	Unit	HK1511053-011	HK1511053-012		
EAFED: Physical and Aggregate Properties							
EA002: pH Value	—	0.1	pH Unit	10.2	10.8		
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	0.5	24.3		
EP: Aggregate Organics							
EP005: Total Organic Carbon	—	0.05	%	—	0.55		



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		Residue BE 3 DAY TEST	ASH BE 3 DAY TEST	ASH BE	ASH BE	ASH BE 3 DAY TEST
		LOR	Unit					
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	ng/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	ng/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	ng/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	ng/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	ng/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	ng/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	ng/kg	<1	<1	<1	<1	2
EG020: Lead	7439-92-1	1	ng/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	ng/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	ng/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-48-2	0.2	ng/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	ng/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	ng/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	ng/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	ng/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	ng/kg	1	1	2	2	3
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				1	1	1	1	1



Page Number : 7 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1511053

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		ASH BE	RESIDUE BE	RESIDUE BE 3 DAY TEST	RESIDUE BE 3 DAY TEST	RESIDUE BE 3 DAY TEST
			Client sampling date / time	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	<1	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	<1	<1	3	2	1	3	3
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
			1	1	1	2	2	2	2



Page Number : 8 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1511053

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BF
Compound	CAS Number	LOR	Client sampling date / time	Unit	Client sampling date / time
EG: Metals and Major Cations - Filtered					
EG020: Antimony	7440-38-0	1		mg/kg	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1
EG020: Barium	7440-39-3	1		mg/kg	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1
EG020: Cadmium	7440-49-9	1		mg/kg	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1
EG020: Copper	7440-50-9	1		mg/kg	1
EG020: Lead	7439-92-1	1		mg/kg	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	0.4
EG020: Silver	7440-22-4	1		mg/kg	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1
EG020: Tin	7440-31-5	1		mg/kg	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1
EG020: Zinc	7440-66-6	1		mg/kg	2
Sample Preparation Method					
E-TCLP: Extraction Fluid Number					
		-		-	1
		-		2	1



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report			
			CAS Number	LOR	Unit	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3890336)						
HK1511053-001	ASH BE 3 DAY TEST	EA055: Moisture Content (dried @ 103°C)		0.1	%	0.0
HK1511053-011	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)		0.1	%	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3891342)						
HK1511053-001	ASH BE 3 DAY TEST	EA002: pH Value		0.1	pH Unit	0.0
EP: Aggregate Organics (QC Lot: 3893543)						
HK1510853-002	Anonymous	EP005: Total Organic Carbon		0.05	%	0.0
HK1511196-019	Anonymous	EP005: Total Organic Carbon		0.05	%	2.7

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method: Compound	CAS Number	LOR	Unit	Result	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
					Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)				
EP: Aggregate Organics (QC Lot: 3893543)															
EP005: Total Organic Carbon		0.05	%	<0.05	40 %	102	91	115	—	—	—	—	—	—	—

Method Blank (MB) Report

Method: Compound	CAS Number	LOR	Unit	Result
EG: Metals and Major Cations - Filtered (QC Lot: 3891708)				

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	93.4	76	118	—	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	73	123	—	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	99.7	85	117	—	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	110	78	122	—	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	88.2	77	123	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.5	80	118	—	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.9	75	119	—	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	103	82	108	—	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	104	79	117	—	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	99.6	78	118	—	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	95.0	82	122	—	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	94.4	75	111	—	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	82	106	—	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	92.8	81	119	—	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	80	122	—	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	92.1	76	122	—	—	—	—

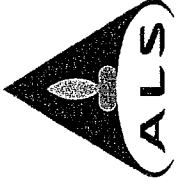


Page Number : 10 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1511053

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Low	High	Recovery Limits (%)	Value	RPD (%)	Control Limit
EP: Aggregate Organics (QC Lot: 3893543)													
HK1511053-012	RESIDUE BF		EP006: Total Organic Carbon		40 %	93.0		75	125				
Matrix: WATER													
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Low	High	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3891708)													
HK1511053-001	ASH BE 3 DAY TEST												
			EG020: Antimony	7440-38-0	1 mg/L	102		75	125				
			EG020: Arsenic	7440-38-2	1 mg/L	113		75	125				
			EG020: Barium	7440-39-3	1 mg/L	107		75	125				
			EG020: Beryllium	7440-41-7	1 mg/L	108		75	125				
			EG020: Cadmium	7440-43-9	1 mg/L	102		75	125				
			EG020: Chromium	7440-47-3	1 mg/L	107		75	125				
			EG020: Copper	7440-50-8	1 mg/L	109		75	125				
			EG020: Lead	7439-92-1	1 mg/L	106		75	125				
			EG020: Mercury	7439-97-6	0.02 mg/L	104		75	125				
			EG020: Nickel	7440-02-0	1 mg/L	108		75	125				
			EG020: Selenium	7782-49-2	1 mg/L	120		75	125				
			EG020: Silver	7440-22-4	1 mg/L	81.2		75	125				
			EG020: Thallium	7440-28-0	1 mg/L	100		75	125				
			EG020: Tin	7440-31-5	1 mg/L	102		75	125				
			EG020: Vanadium	7440-62-2	1 mg/L	113		75	125				
			EG020: Zinc	7440-66-6	1 mg/L	96.4		75	125				

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client : **VW-VES(HK) LTD**
 Contact : **MS JENNIFER CHAN**
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 Telephone :
 Facsimile :
 Project :
 Order number :
 C-O-C number :
 Site :

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 E-mail : **Richard.Fung@alsglobal.com**
 Telephone : **+852 2610 1044**
 Facsimile : **+852 2610 2021**
 Quote number :

Page : **1 of 16**
 Work Order : **HK1511196**

Date Samples Received : **08-APR-2015**
 Issue Date : **29-APR-2015**
 No. of samples received : **21**
 No. of samples analysed : **21**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics



Page Number : 2 of 16
Client : VW-VES(HK) LTD
Work Order : HK1511196

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 13-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. Specific comments for Work Order: **HK1511196**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



Page Number : 3 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Analytical Results

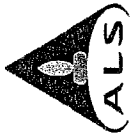
Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		ASH BE	ASH BE 3 DAY TEST	ASH BE	B COMMON SILO	ASH B COMMON SILO
		Client sampling date / time	Unit					
EA002: pH Value	—	02-APR-2015 09:00	Unit	HK1511196-001	HK1511196-002	HK1511196-003	HK1511196-004	HK1511196-005
EA055: Moisture Content (dried @ 103°C)	—	02-APR-2015 09:00	pH Unit	9.8	11.1	9.9	11.0	10.4
			%	25.0	<0.1	16.2	22.8	19.9

EA002: Physical and Aggregate Properties

EA002: pH Value

EA055: Moisture Content (dried @ 103°C)



Page Number : 4 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Compound	CAS Number	Client sample ID		ASH BE	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BE 3 DAY TEST	RESIDUE BF
		LOR	Unit					
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.4	10.2	10.0	10.6	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	19.1	15.4	23.7	0.2	24.2

Sub-Matrix: SOLID



Page Number : 5 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit				
			02-APR-2015 14:20	HK1511196-011	02-APR-2015 16:10	04-APR-2015 07:20	04-APR-2015 09:00	04-APR-2015 10:30
					11.0	10.9	11.0	10.9
					24.7	20.3	6.3	25.2
EA002: pH Value								
EA055: Moisture Content (dried @ 103°C)								



Page Number : 6 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Compound	CAS Number	LOR	Client sample ID				
			RESIDUE BF	RESIDUE BF	RESIDUE AF	RESIDUE AF	
			Client sampling date / time	Unit	Client sampling date / time	Unit	
Sub-Matrix: SOLID			04-APR-2015 13:20	HK1511196-016	05-APR-2015 14:35	HK1511196-018	
			05-APR-2015 13:20	HK1511196-017	05-APR-2015 07:30	HK1511196-019	
						05-APR-2015 08:30	
EA002: pH Value		0.1	11.0	pH Unit	10.9	11.0	10.9
EA055: Moisture Content (dried @ 103°C)		0.1	25.1	%	21.9	23.2	18.4
EP: Aggregate Organics							
EP005: Total Organic Carbon		0.05		%		0.76	



Page Number : 7 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Sub-Matrix: SOLID		Client sample ID	Client sampling date /time
Compound	CAS Number	LOR	Unit
RESIDUE AE			
		05-APR-2015 11:00	
		HK1511196-021	
EAFED: Physical and Aggregate Properties			
EA002: pH Value	--	0.1	pH Unit
EA055: Moisture Content (dried @ 103°C)	--	0.1	%
EP: Aggregate Organics			
EP005: Total Organic Carbon	--	0.05	%
		0.47	



Page Number : 8 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Compound	CAS Number	LOR	Client sample ID				Unit
			Client sampling date / time	ASH BE	ASH BE 3 DAY TEST	ASH BE	
Sub-Matrix: TCLP LEACHATE							
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	<1	<1	<1	2	<1
EG020: Lead	7439-92-1	1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	<1
EG020: Selenium	7782-48-2	0.2	<0.2	<0.2	<0.2	0.3	<0.2
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-65-2	1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	<1	<1	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
			1	1	1	1	1



Page Number : 9 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		ASH BE	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BE 3 DAY TEST	RESIDUE BF
		LOR	Unit					
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	<1	<1	<1	<1	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	0.4	0.3
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-82-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	3	<1
Sample Preparation: Method								
E-TCLP: Extraction Fluid Number								
				1	1	1	2	1



Page Number : 10 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID				RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit	Client sampling date / time	Unit				
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-35-0	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-38-3	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-8	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		mg/kg	2	1	2	2	2	2
EG020: Lead	7439-92-1	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	0.3	0.3	0.3	0.4	0.4	0.4
EG020: Silver	7440-22-4	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-56-6	1		mg/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
					1	1	1	1	1	1



Page Number : 11 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

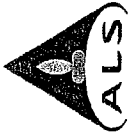
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
		LOF	Unit						
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-39-2	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-6	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-5	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-6	1	mg/kg	2	2	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	0.4	0.3	0.3	0.3	0.3	0.3
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-68-2	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				1	1	1	1	1	1



Page Number : 12 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

Compound	CAS Number	Client sample ID		RESIDUE AE
		LOR	Client sampling date / time	
Sub-Matrix: TCLP LEACHATE				
EG: Metals and Major Cations - Filtered				
EG020: Antimony	7440-36-0	1	mg/kg	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1
EG020: Barium	7440-39-3	1	mg/kg	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1
EG020: Cadmium	7440-43-8	1	mg/kg	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1
EG020: Copper	7440-50-8	1	mg/kg	<1
EG020: Lead	7439-92-1	1	mg/kg	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	0.3
EG020: Silver	7440-22-4	1	mg/kg	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1
EG020: Tin	7440-31-5	1	mg/kg	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1
Sample Preparation Method				
E-TCLP: Extraction Fluid Number				
				1



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report				
			CAS Number	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3890337)							
HK1511196-001	ASH BE	EA055: Moisture Content (dried @ 103°C)	—	%	25.0	25.0	0.0
HK1511196-011	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	—	%	24.7	24.4	1.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3890339)							
HK1511196-020	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	%	18.4	18.9	3.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3891344)							
HK1511053-011	Anonymous	EA002: pH Value	—	pH Unit	10.2	10.2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3891345)							
HK1511196-001	ASH BE	EA002: pH Value	—	pH Unit	9.8	9.8	0.0
EP: Aggregate Organics (QC Lot: 3893543)							
HK1510855-002	Anonymous	EP005: Total Organic Carbon	—	%	<0.05	<0.05	0.0
HK1511196-019	RESIDUE AF	EP005: Total Organic Carbon	—	%	0.78	0.78	2.7

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
						LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	RPD (%)	Control Limit
Method Blank (MB) Report													
EP: Aggregate Organics (QC Lot: 3893543)	—	0.05	%	<0.05	40 %	102	—	—	91	115	—	—	—
Method Blank (MB) Report													
Method: Compound													
EG: Metals and Major Cations - Filtered (QC Lot: 3891712)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	102	—	—	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	—	73	123	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	100	—	—	85	117	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	112	—	—	78	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	89.8	—	—	77	123	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.9	—	—	80	118	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.3	—	—	75	119	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	100	—	—	82	108	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	98.8	—	—	79	117	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.4	—	—	78	118	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	102	—	—	82	122	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.6	—	—	75	111	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	97.3	—	—	82	106	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	101	—	—	81	119	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	98.1	—	—	80	122	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	94.5	—	—	76	122	—	—	—



Page Number : 14 of 16
 Client : VM-VES(HK) LTD
 Work Order : HK1511196

Matrix: WATER		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		Value	RPD (%)	Control Limit
						LCS	DCS	Low	High			
EG: Metals and Major Cations - Filtered (QC Lot: 3891713)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.5	—	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	108	—	73	123	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	108	—	85	117	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	94.9	—	78	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	98.4	—	77	123	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	94.4	—	80	118	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	105	—	75	119	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	95.7	—	82	108	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	115	—	79	117	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	102	—	78	118	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	97.5	—	82	122	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	101	—	75	111	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	94.0	—	82	106	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	102	—	81	119	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	99.1	—	80	122	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	92.5	—	76	122	—	—	—



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)			
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Low	High	Value	Control Limit	
Matrix: SOIL					40 %	93.0	---	75	125	---	---	
EG: Aggregate Organics (QC Lot: 3853543)					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
HK1511053-012	Anonymous	EP005: Total Organic Carbon										
Matrix: WATER					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
HK1511196-001	ASH BE	EG: Metals and Major Cations - Filtered (QC Lot: 3891712)										
		EG020: Antimony		7440-36-0	1 mg/L	91.2	---	75	125	---	---	
		EG020: Arsenic		7440-38-2	1 mg/L	109	---	75	125	---	---	
		EG020: Barium		7440-39-3	1 mg/L	103	---	75	125	---	---	
		EG020: Beryllium		7440-41-7	1 mg/L	104	---	75	125	---	---	
		EG020: Cadmium		7440-43-9	1 mg/L	93.3	---	75	125	---	---	
		EG020: Chromium		7440-47-3	1 mg/L	99.4	---	75	125	---	---	
		EG020: Copper		7440-50-8	1 mg/L	94.0	---	75	125	---	---	
		EG020: Lead		7439-92-1	1 mg/L	100	---	75	125	---	---	
		EG020: Mercury		7439-97-6	0.02 mg/L	108	---	75	125	---	---	
		EG020: Nickel		7440-02-0	1 mg/L	101	---	75	125	---	---	
		EG020: Selenium		7782-49-2	1 mg/L	112	---	75	125	---	---	
		EG020: Silver		7440-22-4	1 mg/L	82.2	---	75	125	---	---	
		EG020: Thallium		7440-28-0	1 mg/L	94.9	---	75	125	---	---	
		EG020: Tin		7440-31-5	1 mg/L	95.2	---	75	125	---	---	
		EG020: Vanadium		7440-62-2	1 mg/L	108	---	75	125	---	---	
		EG020: Zinc		7440-66-6	1 mg/L	92.1	---	75	125	---	---	
EG: Metals and Major Cations - Filtered (QC Lot: 3891713)					Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
HK1511196-021	RESIDUE AE											
		EG020: Antimony		7440-36-0	1 mg/L	101	---	75	125	---	---	
		EG020: Arsenic		7440-38-2	1 mg/L	116	---	75	125	---	---	
		EG020: Barium		7440-39-3	1 mg/L	111	---	75	125	---	---	
		EG020: Beryllium		7440-41-7	1 mg/L	94.7	---	75	125	---	---	
		EG020: Cadmium		7440-43-9	1 mg/L	97.9	---	75	125	---	---	
		EG020: Chromium		7440-47-3	1 mg/L	104	---	75	125	---	---	
		EG020: Copper		7440-50-8	1 mg/L	100	---	75	125	---	---	
		EG020: Lead		7439-92-1	1 mg/L	88.8	---	75	125	---	---	
		EG020: Mercury		7439-97-6	0.02 mg/L	120	---	75	125	---	---	
		EG020: Nickel		7440-02-0	1 mg/L	102	---	75	125	---	---	
		EG020: Selenium		7782-49-2	1 mg/L	98.1	---	75	125	---	---	
		EG020: Silver		7440-22-4	1 mg/L	83.4	---	75	125	---	---	
		EG020: Thallium		7440-28-0	1 mg/L	87.9	---	75	125	---	---	
		EG020: Tin		7440-31-5	1 mg/L	100	---	75	125	---	---	

Page Number : 16 of 16
 Client : VW-VES(HK) LTD
 Work Order : HK1511196

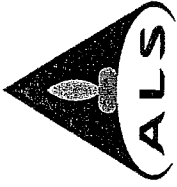


Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)			Recovery Limits (%)			RPD (%)
					MS	MSD	Value	Low	High	Value	
EG: Metals and Major Cations - Filtered (QC Lot: 3891713) - Continued											
HK1511196-021	RESIDUE AE	EG020: Vanadium	7440-62-2	1 mg/L	109	—	—	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L	100	—	—	75	125	—	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Project :
Order number :
C-O-C number :
Site :

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Quote number : ---

Page : **1 of 17**
Work Order : **HK15111616**
Date Samples Received : **10-APR-2015**
Issue Date : **02-MAY-2015**
No. of samples received : **22**
No. of samples analysed : **22**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

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Page Number : 2 of 17
Client : VW-VES(HK) LTD
Work Order : HK1511616

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 17-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. Specific comments for Work Order: **HK1511616**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



Page Number : 3 of 17
 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID			
				Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AE
				08-APR-2015 15:15	09-APR-2015 08:00	08-APR-2015 08:00	08-APR-2015 10:45
				HK1511616-001	HK1511616-002	HK1511616-003	HK1511616-005
EA/ED: Physical and Aggregate Properties							
EA002: pH Value		0.1	pH Unit	10.0	10.3	10.9	10.9
EA055: Moisture Content (dried @ 103°C)		0.1	%	18.3	18.9	23.3	24.2
EP: Aggregate Organics							
EP005: Total Organic Carbon		0.05	%	<0.05			



Page Number : 4 of 17
 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Compound	CAS Number	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
		Client sampling date / time	Unit				
		08-APR-2015 13:30	HK1511616-006	08-APR-2015 14:45	08-APR-2015 17:15	09-APR-2015 08:00	09-APR-2015 09:20
		LOR	Unit	HK1511616-007	HK1511616-008	HK1511616-009	HK1511616-010
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	—	0.1	pH Unit	10.9	10.8	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	22.6	27.5	24.5	23.5

Sub-Matrix: SOLID



Sub-Matrix: SOLID

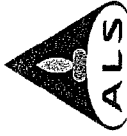
Compound	CAS Number	LOR	Client sample ID		ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit						
			09-APR-2015 09:00	HK1511616-011	09-APR-2015 10:25	09-APR-2015 11:20	09-APR-2015 09:30	09-APR-2015 11:30		
					HK1511616-012	HK1511616-013	HK1511616-014	HK1511616-015		
EA/ED: Physical and Aggregate Properties										
EA002: pH Value		0.1	9.7		10.2	10.2	10.9	10.9		
EA055: Moisture Content (dried @ 103°C)		0.1	24.3		23.5	19.2	26.5	21.6		



Sub-Matrix: SOLID

Compound	Client sample ID		Client sampling date / time		Unit	LOR	CAS Number	RESIDUE AF	RESIDUE AF	ASH BE	ASH BE	ASH B COMMON SILO
	RESIDUE AF	RESIDUE AF	ASH BE	ASH BE								
	09-APR-2015 13:15	09-APR-2015 14:10	09-APR-2015 13:25	09-APR-2015 14:30				HK1511616-016	HK1511616-017	HK1511616-018	HK1511616-019	HK1511616-020
EA055: Physical and Aggregate Properties												
EA002: pH Value	10.9	10.9	10.2	9.9	pH Unit	0.1						10.1
EA055: Moisture Content (dried @ 103°C)	25.3	26.5	20.7	15.0	%	0.1						21.3

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 Client : VW-VES(HK) LTD
 Work Order : HK1511616



Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF
			Client sampling date / time	Unit	
			ASH B COMMON SILO	10-APR-2015 08:00	10-APR-2015 09:30
			HK1511616-021	HK1511616-022	HK1511616-022
EA/ED: Physical and Aggregate Properties					
EA002: pH Value	—	0.1		10.1	11.0
EA066: Moisture Content (dried @ 103°C)	—	0.1		20.9	6.1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		ASH AF 13-APR-2015 12:00 HK1511616-001	ASH B COMMON SILO 13-APR-2015 12:00 HK1511616-002	RESIDUE AE 13-APR-2015 12:00 HK1511616-003	RESIDUE AE 13-APR-2015 12:00 HK1511616-004	RESIDUE AE 13-APR-2015 12:00 HK1511616-005
			Unit	Client sample ID					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Arsenic	7440-36-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg		<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg		1	<1	<1	<1	<1
EG020: Lead	7439-82-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-65-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	Client sample ID		LOR	Unit	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
	CAS Number	Client sampling date / time			13-APR-2015 12:00	13-APR-2015 12:00	13-APR-2015 12:00	13-APR-2015 12:00
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0		1	mg/kg	<1	<1	<1	<1
EG020: Arsenic	7440-38-2		1	mg/kg	<1	<1	<1	<1
EG020: Barium	7440-39-3		1	mg/kg	<1	<1	<1	<1
EG020: Beryllium	7440-41-7		1	mg/kg	<1	<1	<1	<1
EG020: Cadmium	7440-43-8		1	mg/kg	<1	<1	<1	<1
EG020: Chromium	7440-47-3		1	mg/kg	<1	<1	<1	<1
EG020: Copper	7440-50-8		1	mg/kg	<1	<1	<1	<1
EG020: Lead	7439-97-6		1	mg/kg	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0		1	mg/kg	<1	<1	<1	<1
EG020: Selenium	7782-49-2		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4		1	mg/kg	0.2	<0.2	<0.2	0.2
EG020: Thallium	7440-28-0		1	mg/kg	<1	<1	<1	<1
EG020: Tin	7440-31-5		1	mg/kg	<1	<1	<1	<1
EG020: Vanadium	7440-62-2		1	mg/kg	<1	<1	<1	<1
EG020: Zinc	7440-66-6		1	mg/kg	<1	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
					1	1	1	1



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 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time		Client sampling date / time		Client sampling date / time		Client sampling date / time	
Compound	CAS Number	LOR	Unit	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE AF	RESIDUE AF
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-8	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	1	<1	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-8	1	mg/kg	2	<1	<1	<1	<1	<1	<1	<1
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
		-	-	1	1	1	1	1	1	1	1



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	ASH BE	ASH BE	ASH B COMMON SILO
Compound	CAS Number	LOR	Client sampling date / time	Unit	13-APR-2015 12:00	13-APR-2015 12:00	13-APR-2015 12:00	13-APR-2015 12:00	13-APR-2015 12:00
EG: Metals and Major Cations - Filtered					HK1511616-016	HK1511616-017	HK1511616-018	HK1511616-019	HK1511616-020
EG020: Antimony	7440-36-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		mg/kg	<1	<1	1	1	1
EG020: Lead	7439-92-1	1		mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	0.2	0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/kg	<1	<1	1	2	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Page Number : 12 of 17
 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time		ASH B COMMON SILO		RESIDUE BF	
Compound	CAS Number	LOI	Unit	LOI	Unit	LOI	Unit	LOI	Unit
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-38-0	1	mg/kg			<1		<1	
EG020: Arsenic	7440-38-2	1	mg/kg			<1		<1	
EG020: Barium	7440-39-3	1	mg/kg			<1		<1	
EG020: Beryllium	7440-41-7	1	mg/kg			<1		<1	
EG020: Cadmium	7440-43-6	1	mg/kg			<1		<1	
EG020: Chromium	7440-47-3	1	mg/kg			<1		<1	
EG020: Copper	7440-50-8	1	mg/kg			<1		<1	
EG020: Lead	7439-82-1	1	mg/kg			<1		<1	
EG020: Mercury	7439-97-6	0.2	mg/kg			<0.2		<0.2	
EG020: Nickel	7440-02-0	1	mg/kg			<1		<1	
EG020: Selenium	7782-49-2	0.2	mg/kg			<0.2		<0.2	
EG020: Silver	7440-22-4	1	mg/kg			<1		<1	
EG020: Thallium	7440-28-0	1	mg/kg			<1		<1	
EG020: Tin	7440-31-5	1	mg/kg			<1		<1	
EG020: Vanadium	7440-62-2	1	mg/kg			<1		<1	
EG020: Zinc	7440-66-6	1	mg/kg			<1		<1	
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
						1		1	



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
Matrix: SOIL									
EA/ED: Physical and Aggregate Properties (QC Lot: 3894255)									
HK1511616-001	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	18.3	18.2	1.0
HK1511616-011	ASH B COMMON SILO		EA055: Moisture Content (dried @ 103°C)		0.1	%	24.3	23.6	2.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3894257)									
HK1511616-021	ASH B COMMON SILO		EA055: Moisture Content (dried @ 103°C)		0.1	%	20.9	21.7	3.7
EA/ED: Physical and Aggregate Properties (QC Lot: 3894713)									
HK1511616-001	ASH AF		EA002: pH Value		0.1	pH Unit	10.0	9.9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3894714)									
HK1511616-021	ASH B COMMON SILO		EA002: pH Value		0.1	pH Unit	10.1	10.2	0.0
EP: Aggregate Organics (QC Lot: 3897379)									
HK1511215-006	Anonymous		EP005: Total Organic Carbon		0.05	%	1.20	1.16	3.5
Matrix: WATER									
EG: Metals and Major Cations - Filtered (QC Lot: 3896363)									
HK1511616-002	ASH B COMMON SILO		EG020: Mercury	7439-97-6	0.2	mg/L	<0.2	<0.2	0.0
			EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	<0.2	0.0
			EG020: Antimony	7440-36-0	1	mg/L	<1	<1	0.0
			EG020: Arsenic	7440-38-2	1	mg/L	<1	<1	0.0
			EG020: Barium	7440-39-3	1	mg/L	<1	<1	0.0
			EG020: Beryllium	7440-41-7	1	mg/L	<1	<1	0.0
			EG020: Cadmium	7440-43-9	1	mg/L	<1	<1	0.0
			EG020: Chromium	7440-47-3	1	mg/L	<1	<1	0.0
			EG020: Copper	7440-50-8	1	mg/L	<1	<1	0.0
			EG020: Lead	7439-92-1	1	mg/L	<1	<1	0.0
			EG020: Nickel	7440-02-0	1	mg/L	<1	<1	0.0
			EG020: Silver	7440-22-4	1	mg/L	<1	<1	0.0
			EG020: Thallium	7440-28-0	1	mg/L	<1	<1	0.0
			EG020: Tin	7440-31-5	1	mg/L	<1	<1	0.0
			EG020: Vanadium	7440-62-2	1	mg/L	<1	<1	0.0
			EG020: Zinc	7440-66-6	1	mg/L	<1	<1	0.0
HK1511616-010	RESIDUE AF		EG020: Mercury	7439-97-6	0.2	mg/L	<0.2	<0.2	0.0
			EG020: Selenium	7782-49-2	0.2	mg/L	0.2	0.2	0.0
			EG020: Antimony	7440-36-0	1	mg/L	<1	<1	0.0
			EG020: Arsenic	7440-38-2	1	mg/L	<1	<1	0.0
			EG020: Barium	7440-39-3	1	mg/L	<1	<1	0.0
			EG020: Beryllium	7440-41-7	1	mg/L	<1	<1	0.0
			EG020: Cadmium	7440-43-9	1	mg/L	<1	<1	0.0
			EG020: Chromium	7440-47-3	1	mg/L	<1	<1	0.0
			EG020: Copper	7440-50-8	1	mg/L	<1	<1	0.0



Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3896363) - Continued									
RESIDUE AF									
HK1511616-010			EG020: Lead	7439-92-1	1	mg/L	<1	<1	0.0
			EG020: Nickel	7440-02-0	1	mg/L	<1	<1	0.0
			EG020: Silver	7440-22-4	1	mg/L	<1	<1	0.0
			EG020: Thallium	7440-28-0	1	mg/L	<1	<1	0.0
			EG020: Tin	7440-31-5	1	mg/L	<1	<1	0.0
			EG020: Vanadium	7440-62-2	1	mg/L	<1	<1	0.0
			EG020: Zinc	7440-66-6	1	mg/L	<1	<1	0.0
EG: Metals and Major Cations - Filtered (QC Lot: 3896364)									
RESIDUE BF									
HK1511616-022			EG020: Mercury	7439-97-6	0.2	mg/L	<0.2	<0.2	0.0
			EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	<0.2	0.0
			EG020: Antimony	7440-36-0	1	mg/L	<1	<1	0.0
			EG020: Arsenic	7440-38-2	1	mg/L	<1	<1	0.0
			EG020: Barium	7440-39-3	1	mg/L	<1	<1	0.0
			EG020: Beryllium	7440-41-7	1	mg/L	<1	<1	0.0
			EG020: Cadmium	7440-43-9	1	mg/L	<1	<1	0.0
			EG020: Chromium	7440-47-3	1	mg/L	<1	<1	0.0
			EG020: Copper	7440-50-8	1	mg/L	<1	<1	0.0
			EG020: Lead	7439-92-1	1	mg/L	<1	<1	0.0
			EG020: Nickel	7440-02-0	1	mg/L	<1	<1	0.0
			EG020: Silver	7440-22-4	1	mg/L	<1	<1	0.0
			EG020: Thallium	7440-28-0	1	mg/L	<1	<1	0.0
			EG020: Tin	7440-31-5	1	mg/L	<1	<1	0.0
			EG020: Vanadium	7440-62-2	1	mg/L	<1	<1	0.0
			EG020: Zinc	7440-66-6	1	mg/L	<1	<1	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method Blank (MB) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	LCS	DCS	Recovery Limits (%)	RPD (%)
EP: Aggregate Organics (QC Lot: 3897379)			%	<0.05	40 %	98.2	91	115	—	—
EP005: Total Organic Carbon		0.05	%	<0.05	40 %	98.2	91	115	—	—

Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	LCS	DCS	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3896363)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.7	92.7	118	76	118
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.0	99.0	123	73	123
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	106	106	117	85	117
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	90.0	90.0	122	78	122
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	94.5	94.5	123	77	123



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 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Matrix: WATER		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3896363) - Continued									
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	97.9	—	80 118	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.2	—	75 119	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	93.5	—	82 108	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	105	—	79 117	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	95.6	—	78 118	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	94.3	—	82 122	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	87.9	—	75 111	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	94.0	—	82 106	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	96.3	—	81 119	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	101	—	80 122	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	101	—	76 122	—
EG: Metals and Major Cations - Filtered (QC Lot: 3896364)									
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	93.3	—	76 118	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.2	—	73 123	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	107	—	85 117	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	97.8	—	78 122	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.7	—	77 123	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.0	—	80 118	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	94.8	—	75 119	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	98.4	—	82 108	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	—	79 117	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	99.9	—	78 118	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	102	—	82 122	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.0	—	75 111	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	97.7	—	82 106	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	95.2	—	81 119	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	112	—	80 122	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	99.9	—	76 122	—



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
Matrix: SOIL				40 %	104	—	75	125	—
EP: Aggregate Organics (QC Lot: 3897379)				40 %					
HK1511616-001 ASH AF				EP005: Total Organic Carbon					
Matrix: WATER				40 %					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3896363)									
HK1511616-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	96.3	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	110	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	109	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	90.5	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	95.4	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	98.1	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	99.1	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	98.1	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	116	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	101	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	108	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	76.6	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	98.2	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	103	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	112	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	90.2	—	75	125	—
EG: Metals and Major Cations - Filtered (QC Lot: 3896364)									
HK1511616-021	ASH B COMMON SILO	EG020: Antimony	7440-36-0	1 mg/L	101	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	104	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	106	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	95.4	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	98.8	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	102	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	101	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	102	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	110	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	105	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	114	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	82.0	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	104	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	98.3	—	75	125	—



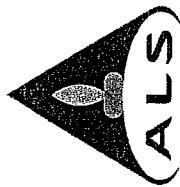
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 Client : VW-VES(HK) LTD
 Work Order : HK1511616

Matrix: WATER

Laboratory Sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	RPD (%)		
				Low	High	Value	Control Limit				
EG: Metals and Major Cations - Filtered (QC Lot: 3896354) - Continued											
HK1511616-021	ASH B COMMON SILO	EG020: Vanadium	7440-62-2	1 mg/L	111	—	—	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L	104	—	—	75	125	—	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem HK Pty Ltd**
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Quote number :

Page : **1 of 12**
Work Order : **HK1511887**

Date Samples Received : **13-APR-2015**
Issue Date : **15-APR-2015**
No. of samples received : **20**
No. of samples analysed : **20**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position
General Manager

Authorised results for

Inorganics

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Page Number : 2 of 12
Client : VW-VES(HK) LTD
Work Order : HK1511887

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is:

14-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
Specific comments for Work Order: **HK1511887**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.



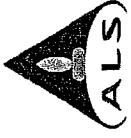
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 Client : VW-VES(HK) LTD
 Work Order : HK1511887

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		LOR	Unit	Client sampling date / time	ASH AF SILO 11-APR-2015 08:30 HK1511887-001	ASH B COMMON SILO 11-APR-2015 15:30 HK1511887-002	ASH B COMMON SILO 11-APR-2015 15:10 HK1511887-003	ASH B COMMON SILO 11-APR-2015 10:15 HK1511887-004	ASH B COMMON SILO 12-APR-2015 09:30 HK1511887-005
		Client sampling date / time	Client sampling date / time								
EA002: pH Value	—	0.1	pH Unit				10.6	9.9	10.2	9.7	9.7
EA055: Moisture Content (dried @ 103°C)	—	0.1	%				24.6	16.1	16.5	15.9	18.4

EA002: Physical and Aggregate Properties



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 Client : VW-VES(HK) LTD
 Work Order : HK1511887

Compound	Client sample ID		LOR	CAS Number	Client sampling date / time	Unit	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BF	RESIDUE AF	RESIDUE AF
	ASH B COMMON SILO	RESIDUE BF									
EA002: pH Value	12-APR-2015 11:25	12-APR-2015 12:55	0.1	HK1511887-006	12-APR-2015 11:25	Unit	9.6	9.6	[10-APR-2015]	10-APR-2015 14:45	10-APR-2015 14:20
EA055: Moisture Content (dried @ 103°C)	12-APR-2015 11:25	12-APR-2015 12:55	0.1	HK1511887-007	12-APR-2015 12:55	pH Unit	20.9	19.2	HK1511887-008	HK1511887-009	HK1511887-010
						%			10.6	10.6	10.6
									15.2	28.5	28.1



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 Client : VW-VES(HK) LTD
 Work Order : HK1511887

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	10-APR-2015 13:10	HK1511887-011	10.6	10.8	9.8	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1			26.2	25.2	24.7	25.6	9.9

EA/ED: Physical and Aggregate Properties



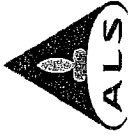
Sub-Matrix: SOLID	Client sample ID		Client sampling date / time		RESIDUE BF SILO		RESIDUE AF SILO		RESIDUE BF SILO	
	CAS Number	LOR	Unit	Unit	11-APR-2015 10:10	12-APR-2015 08:35	12-APR-2015 15:20	12-APR-2015 14:25	12-APR-2015 10:00	12-APR-2015 10:00
					HK1511887-016	HK1511887-017	HK1511887-018	HK1511887-019	HK1511887-020	HK1511887-020
EA/ED: Physical and Aggregate Properties										
EA002: pH Value	—	0.1	pH Unit		10.5	10.7	10.7	10.7	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	—	0.1	%		25.5	26.8	22.3	23.9	23.2	13.2



Compound	CAS Number	LOR	Client sample ID		ASH AF SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-8	1			<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			1	1	1	1	1
EG020: Lead	7439-92-1	1			<1	<1	<1	<1	<1
EG020: Mercury	7439-97-8	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			5	1	2	3	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Sub-Matrix: TCPL LEACHATE		Client sample ID		Client sampling date / time		Client sampling date / time		Client sampling date / time		Client sampling date / time	
Compound	CAS Number	LOI	Unit	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-8	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	1	<1	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	0.3	0.2	0.3	0.3	0.3
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	<1	<1	<1	<1	<1	<1	<1
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
				1	1	1	1	1	1	1	1

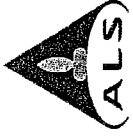


Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO
			Client sampling date / time	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1			<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			<1	1	<1	2	2
EG020: Lead	7439-92-1	1			<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE AF SILO	RESIDUE AF SILO	RESIDUE BF SILO	RESIDUE BF SILO
Compound	CAS Number	LOR	Client sampling Date / Time	Unit	12-APR-2015 12:00	12-APR-2015 12:00	12-APR-2015 12:00	12-APR-2015 12:00	12-APR-2015 12:00
EG: Metals and Major Cations - Filtered					HK1511887-016	HK1511887-017	HK1511887-018	HK1511887-019	HK1511887-020
EG020: Antimony	7440-36-0	1		ng/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		ng/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		ng/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		ng/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		ng/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		ng/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		ng/kg	1	1	<1	2	1
EG020: Lead	7439-92-1	1		ng/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		ng/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		ng/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		ng/kg	0.2	<0.2	0.2	0.2	0.2
EG020: Silver	7440-22-4	1		ng/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		ng/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		ng/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		ng/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		ng/kg	<1	<1	1	2	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	2	1



Page Number : 11 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1511887

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Laboratory Duplicate (DUP) Report			RPD (%)
						Original Result	Duplicate Result	RPD (%)	
EA/ED: Physical and Aggregate Properties (QC Lot: 3896358)									
HK1511887-001	ASH AF SILO	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	24.6	24.6	0.0	0.0
HK1511887-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	26.2	26.4	0.4	0.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3897299)									
HK1511887-001	ASH AF SILO	EA002: pH Value	—	0.1	pH Unit	10.6	10.8	0.0	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
		LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	Control Limit	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3898084)														
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	83.4	—	—	76	118	—	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	108	—	—	73	123	—	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	106	—	—	85	117	—	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	95.9	—	—	78	122	—	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	110	—	—	77	123	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	97.6	—	—	80	118	—	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	102	—	—	75	119	—	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	105	—	—	82	108	—	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	110	—	—	79	117	—	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	—	—	78	118	—	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	109	—	—	82	122	—	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.8	—	—	75	111	—	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	100	—	—	82	106	—	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	101	—	—	81	119	—	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	109	—	—	80	122	—	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	105	—	—	76	122	—	—	—	—



Page Number : 12 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1511887

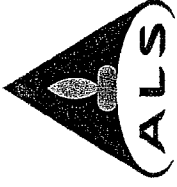
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)		
				MS	MSD	Low	High	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 3895084)										
HK1511887-001	ASH AF SILO			1 mg/L	114	—	75	125	—	—
		EG020: Antimony	7440-36-0	1 mg/L	110	—	75	125	—	—
		EG020: Arsenic	7440-38-2	1 mg/L	107	—	75	125	—	—
		EG020: Barium	7440-39-3	1 mg/L	91.8	—	75	125	—	—
		EG020: Beryllium	7440-41-7	1 mg/L	107	—	75	125	—	—
		EG020: Cadmium	7440-43-9	1 mg/L	102	—	75	125	—	—
		EG020: Chromium	7440-47-3	1 mg/L	88.8	—	75	125	—	—
		EG020: Copper	7440-50-8	1 mg/L	93.1	—	75	125	—	—
		EG020: Lead	7439-92-1	1 mg/L	93.0	—	75	125	—	—
		EG020: Mercury	7439-97-6	0.02 mg/L	97.2	—	75	125	—	—
		EG020: Nickel	7440-02-0	1 mg/L	111	—	75	125	—	—
		EG020: Selenium	7782-49-2	1 mg/L	78.8	—	75	125	—	—
		EG020: Silver	7440-22-4	1 mg/L	89.2	—	75	125	—	—
		EG020: Thallium	7440-28-0	1 mg/L	103	—	75	125	—	—
		EG020: Tin	7440-31-5	1 mg/L	107	—	75	125	—	—
		EG020: Vanadium	7440-62-2	1 mg/L	# Not Determined	—	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L		—	75	125	—	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : **VW-VES(HK) LTD**
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Telephone :
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Project :
Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem (HK) Pty Ltd**
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Quote number :

Page : **1 of 10**
Work Order : **HK1512248**
Date Samples Received : **15-APR-2015**
Issue Date : **20-APR-2015**
No. of samples received : **15**
No. of samples analysed : **15**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

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Page Number : 2 of 10
Client : VW-VES(HK) LTD
Work Order : HK1512248

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 16-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. Specific comments for Work Order: **HK1512248**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Page Number : 3 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1512248



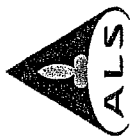
Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID			
				RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF	RESIDUE BF
Client sampling date / time				13-APR-2015 13:00	13-APR-2015 12:00	13-APR-2015 15:00	13-APR-2015 16:20
				HK1512248-001	HK1512248-002	HK1512248-003	HK1512248-004
				11.0	11.0	11.1	10.9
EA002: pH Value		0.1	pH Unit	15.2	25.1	22.9	20.1
EA055: Moisture Content (dried @ 103°C)		0.1	%				10.9
							22.4

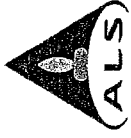
EA002: Physical and Aggregate Properties

EA055: Moisture Content (dried @ 103°C)



Compound	CAS Number	Client sample ID		RESIDUE BF	ASH AF SILO	ASH B COMMON SILO	RESIDUE AF (GATE HOUSE)	RESIDUE AF SILO
		LOR	Unit					
Sub-Matrix: SOLID								
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	pH Unit	11.0	10.0	9.8	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	14.4	23.6	16.9	23.9	24.0
								14-APR-2015 15:55
								HK1512248-010

Page Number : 5 of 10
 Client : VM-VES(HK) LTD
 Work Order : HK1512248



Compound	CAS Number		Client sampling date / time		RESIDUE BF	RESIDUE BF SILO	RESIDUE BF	RESIDUE BF (GATE HOUSE)	ASH B COMMON SILO
	---	---	---	---					
EA002: pH Value	---	---	14-APR-2015 17:10	14-APR-2015 13:30	14-APR-2015 17:55	14-APR-2015 13:30	14-APR-2015 17:55	14-APR-2015 15:15	15-APR-2015 08:40
EA055: Moisture Content (dried @ 103°C)	---	---	HK1512248-011	HK1512248-012	HK1512248-013	HK1512248-012	HK1512248-013	HK1512248-014	HK1512248-015
	0.1	0.1	11.0	11.0	11.1	11.0	11.0	11.0	10.5
	0.1	0.1	22.8	23.5	10.7	23.5	7.8	7.8	21.1

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF	RESIDUE BF	RESIDUE BF
		Client sampling date / time	Unit						
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-35-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	2	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	0.2	<0.2	0.2	0.2	0.2	0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	1	<1	1	1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				2	2	2	2	2	2



Page Number : 7 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1512248

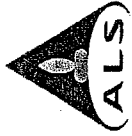
Sub-Matrix: TCLP LEACHATE

Compound	Client sample ID		RESIDUE BF	ASH AF SILO	ASH B COMMON SILO	RESIDUE AF (GATE HOUSE)	RESIDUE AF SILO
	CAS Number	LOR					
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	2	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	1	1	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
			2	1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		RESIDUE BF	RESIDUE BF SILO	RESIDUE BF	RESIDUE BF (GATE HOUSE)	ASH B COMMON SILO
		LOR	Unit					
E.G. Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	2	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	1	1	2	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				2	2	2	2	1



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3899955)									
HK1512248-001	RESIDUE BF (GATE HOUSE)		EA055: Moisture Content (dried @ 103°C)		0.1	%	15.2	14.5	4.9
HK1512248-011	RESIDUE BF		EA055: Moisture Content (dried @ 103°C)		0.1	%	22.8	22.7	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3900846)									
HK1512248-001	RESIDUE BF (GATE HOUSE)		EA002: pH Value		0.1	pH Unit	11.0	11.0	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method Blank (MB) Report										Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	RPD (%)	Control Limit						
EG: Metals and Major Cations - Filtered (QC Lot: 3901731)																			
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	85.4	—	—	76	118	—	—	—						
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	109	—	—	73	123	—	—	—						
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	103	—	—	85	117	—	—	—						
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	98.1	—	—	78	122	—	—	—						
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	111	—	—	77	123	—	—	—						
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	103	—	—	80	118	—	—	—						
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	105	—	—	75	119	—	—	—						
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	107	—	—	82	108	—	—	—						
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	114	—	—	79	117	—	—	—						
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	105	—	—	78	118	—	—	—						
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	114	—	—	82	122	—	—	—						
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	104	—	—	75	111	—	—	—						
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	98.8	—	—	82	106	—	—	—						
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	103	—	—	81	119	—	—	—						
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	108	—	—	80	122	—	—	—						
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	109	—	—	76	122	—	—	—						



Page Number : 10 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1512248

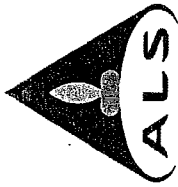
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration		Spike Recovery (%)		Recovery Limits (%)			Value	RPD (%)	Control Limit
				MS	MSD	MS	MSD	Low	High	High			
EG: Metals and Major Cations - Filtered (QC Lot: 3901731)													
HK1512248-001	RESIDUE BF (GATE HOUSE)												
		EG020: Antimony	7440-38-0	1 mg/L	116	—	—	75	125	—	—	—	—
		EG020: Arsenic	7440-38-2	1 mg/L	116	—	—	75	125	—	—	—	—
		EG020: Barium	7440-39-3	1 mg/L	102	—	—	75	125	—	—	—	—
		EG020: Beryllium	7440-41-7	1 mg/L	97.7	—	—	75	125	—	—	—	—
		EG020: Cadmium	7440-43-9	1 mg/L	112	—	—	75	125	—	—	—	—
		EG020: Chromium	7440-47-3	1 mg/L	111	—	—	75	125	—	—	—	—
		EG020: Copper	7440-50-8	1 mg/L	97.4	—	—	75	125	—	—	—	—
		EG020: Lead	7439-92-1	1 mg/L	97.8	—	—	75	125	—	—	—	—
		EG020: Mercury	7439-97-6	0.02 mg/L	95.7	—	—	75	125	—	—	—	—
		EG020: Nickel	7440-02-0	1 mg/L	107	—	—	75	125	—	—	—	—
		EG020: Selenium	7782-49-2	1 mg/L	123	—	—	75	125	—	—	—	—
		EG020: Silver	7440-22-4	1 mg/L	79.8	—	—	75	125	—	—	—	—
		EG020: Thallium	7440-28-0	1 mg/L	93.9	—	—	75	125	—	—	—	—
		EG020: Tin	7440-31-5	1 mg/L	108	—	—	75	125	—	—	—	—
		EG020: Vanadium	7440-62-2	1 mg/L	120	—	—	75	125	—	—	—	—
		EG020: Zinc	7440-66-6	1 mg/L	97.8	—	—	75	125	—	—	—	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Project :
Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem (HK) Pty Ltd**
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Quote number :
Page : **1 of 15**
Work Order : **HK1512652**
Date Samples Received : **17-APR-2015**
Issue Date : **21-APR-2015**
No. of samples received : **24**
No. of samples analysed : **24**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

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Page Number : 2 of 15
Client : VW-VES(HK) LTD
Work Order : HK1512652

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 20-APR-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
Specific comments for Work Order: **HK1512652**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.



Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		Client sampling date / time	Unit	pH Unit	%
			ASH AF SILO	ASH B COMMON				
EA002: pH Value	—	0.1	15-APR-2015 13:55 HK1512652-001	15-APR-2015 08:35 HK1512652-002	15-APR-2015 10:55 HK1512652-003	15-APR-2015 18:05 HK1512652-004	15-APR-2015 12:10 HK1512652-005	
EA055: Moisture Content (dried @ 103°C)	—	0.1	9.8	10.8	10.2	10.0	10.9	
			11.9	19.4	19.7	22.8	25.8	



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 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Sub-Matrix: SOLID

Compound	CAS Number		Client sampling date / time		RESIDUE AF SILO		RESIDUE BF SILO		RESIDUE BF SILO		RESIDUE BF (GATE HOUSE)		RESIDUE BF (GATE HOUSE)	
	LOR	Unit	LOR	Unit	15-APR-2015 12:30	HK1512652-006	15-APR-2015 08:00	HK1512652-007	15-APR-2015 13:50	HK1512652-008	15-APR-2015 14:40	HK1512652-009	15-APR-2015 15:15	HK1512652-010
EA002: pH Value	0.1	pH Unit	0.1	pH Unit	10.8	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
EA055: Moisture Content (dried @ 103°C)	0.1	%	0.1	%	25.2	7.1	13.7	24.9	20.0	20.0	20.0	20.0	20.0	20.0

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 Client : VW-VES(HK) LTD
 Work Order : HK1512652



Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	ASH AF	ASH AF
			Client sampling date / time	Unit						
EA002: pH Value	—	0.1	15-APR-2015 16:00	HK1512652-011	11.0	11.0	11.0	11.0	9.6	9.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	15-APR-2015 16:35	HK1512652-012	24.9	17.3	21.2	21.2	14.6	10.0
			15-APR-2015 17:10	HK1512652-013						
			16-APR-2015 14:10	HK1512652-015						



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 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Sub-Matrix: SOLID	Client sample ID		Client sampling date / time		Client sampling date / time		Client sampling date / time	
	CAS Number	LOR	Unit	Unit	Unit	Unit	Unit	Unit
			16-APR-2015 09:10	16-APR-2015 09:40	16-APR-2015 10:25	16-APR-2015 12:00	16-APR-2015 12:40	
			HK1512652-016	HK1512652-017	HK1512652-018	HK1512652-019	HK1512652-020	
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	10.1	10.1	10.4	10.9	10.9	
EA055: Moisture Content (dried @ 103°C)	—	0.1	20.8	19.4	15.2	22.0	22.0	

Page Number : 7 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1512652



Compound	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
	CAS Number	Client sampling date / time				
EA002: pH Value	—	0.1	10.9	10.9	10.9	11.0
EA055: Moisture Content (dried @ 103°C)	—	0.1	24.5	25.6	9.5	16.6
			HK1512652-021	HK1512652-022	HK1512652-023	HK1512652-024
			16-APR-2015 15:20	16-APR-2015 16:10	16-APR-2015 12:20	17-APR-2015 08:25

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Page Number : 8 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Compound	CAS Number	LOR	Client sample ID		ASH AF SILO	ASH B COMMON	ASH B COMMON SILO	ASH (COM) GATE HOUSE	RESIDUE AF SILO
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1			<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1			<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			<0.2	<0.2	<0.2	<0.2	0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1

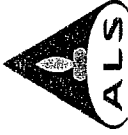


Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)
			Client sampling date / time	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-35-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	<1
EG020: Barium	7440-38-3	1			<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1			<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			<1	2	<1	1	<1
EG020: Lead	7439-92-1	1			<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			<0.2	0.3	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-66-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	2	1	1	1



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	RESIDUE BF (GATE HOUSE)	ASH AF	ASH AF
Compound	CAS Number	LOR	Unit	Client sampling date / time	Client sampling date / time	Client sampling date / time	15-APR-2015 12:00	15-APR-2015 12:00
				HK1512652-011	HK1512652-012	HK1512652-013	HK1512652-014	HK1512652-015
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	<1	2	1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	1	1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				1	2	2	1	1



Page Number : 11 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1512652

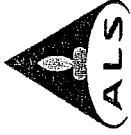
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID				RESIDUE AF	RESIDUE AF
				Client sampling date / time	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO		
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	15-APR-2015 12:00	15-APR-2015 12:00	15-APR-2015 12:00	15-APR-2015 12:00	15-APR-2015 12:00	
EG020: Arsenic	7440-38-2	1	mg/kg	HK1512652-016	HK1512652-017	HK1512652-018	HK1512652-019	HK1512652-020	
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Copper	7440-50-8	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	<1	<1	
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				1	1	1	2	2	



Page Number : 12 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit				
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1			<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1
EG020: Copper	7440-50-8	1			<1	<1	2	1
EG020: Lead	7439-92-1	1			<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			0.2	0.2	<0.2	0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1
EG020: Tin	7440-31-6	1			<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	<1	1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
					1	1	2	2



Laboratory Duplicate (DUP) Report

Laboratory Sample ID	Client Sample ID	Method, Compound	CAS Number	LOR	Unit	Laboratory Duplicate (DUP) Report		RPD (%)
						Original Result	Duplicate Result	
EA/ED: Physical and Aggregate Properties (QC Lot: 3903337)								
HK1512652-001	ASH AF SILO	EA055: Moisture Content (dried @ 103°C)		0.1	%	11.9	11.8	0.9
HK1512652-011	RESIDUE BF (GATE HOUSE)	EA055: Moisture Content (dried @ 103°C)		0.1	%	24.9	24.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3903338)								
HK1512652-021	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)		0.1	%	24.5	24.7	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3903340)								
HK1512652-001	ASH AF SILO	EA002: pH Value		0.1	pH Unit	9.8	9.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3903341)								
HK1512652-021	RESIDUE AF	EA002: pH Value		0.1	pH Unit	10.9	10.9	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method, Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
						LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)
Method Blank (MB) Report											
Matrix: WATER											
EG: Metals and Major Cations - Filtered (QC Lot: 3904189)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	109	76	118	76	118	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	106	72	124	72	124	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	103	80	120	80	120	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	116	74	122	74	122	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	107	79	117	79	117	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	102	78	120	78	120	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	105	78	118	78	118	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.6	79	115	79	115	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	117	76	120	76	120	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	78	120	78	120	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	112	81	119	81	119	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	104	76	114	76	114	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	98.6	81	113	81	113	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	103	79	119	79	119	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	109	78	124	78	124	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	111	70	130	70	130	—
EG: Metals and Major Cations - Filtered (QC Lot: 3904190)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	100	78	118	78	118	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	104	72	124	72	124	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	103	80	120	80	120	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	115	74	122	74	122	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	106	79	117	79	117	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	103	78	120	78	120	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	109	78	118	78	118	—



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 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Matrix: WATER

Method: Compound

Method Blank (MB) Report

Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method: Compound	CAS Number	LOR	Unit	Result	Spike Recovery (%)			Recovery Limits (%)			RPD (%)
					Spike Concentration	LCS	DCS	Low	High	Value	
EG: Metals and Major Cations - Filtered (QC Lot: 3904190) - Continued											
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	105	—	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.002 mg/L	90.5	—	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	107	—	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	108	—	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	108	—	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	104	—	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	104	—	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	111	—	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	100	—	70	130	—	—



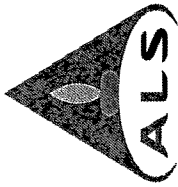
Page Number : 15 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1512652

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 3904189)									
HK1512652-001	ASH AF SILO	EG020: Antimony	7440-36-0	1 mg/L	109	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	108	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	104	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	111	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	108	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	103	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	105	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	97.9	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	107	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	104	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	118	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	97.3	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	97.9	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	104	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	110	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	97.5	—	75	125	—
EG: Metals and Major Cations - Filtered (QC Lot: 3904190)									
HK1512652-021	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	108	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	109	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	109	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	111	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	112	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	107	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	102	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	97.0	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	100	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	110	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	102	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	84.8	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	98.4	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	110	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	121	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	125	—	75	125	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Project :
Order number :
C-O-C number :
Site :

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Quote number :

Page : **1 of 12**
Work Order : **HK1512910**

Date Samples Received : **20-APR-2015**
Issue Date : **13-MAY-2015**
No. of samples received : **18**
No. of samples analysed : **18**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

General Manager

Authorised results for

Inorganics

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A Campbell Brothers Limited Company



Page Number : 2 of 12
Client : VW-VES(HK) LTD
Work Order : HK1512910

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 23-APR-2015

Key: LOR = Limit of reporting, CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. Specific comments for Work Order: **HK1512910**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



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 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Analytical Results

Sub-Matrix: SOLID

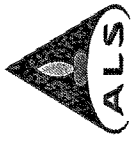
Compound	CAS Number	LOR	Unit	Client sample ID						
				Client sampling date / time	ASH B COMMON SILO	ASH BF NIGHT SHIFT (C)	ASH BF 'D' SHIFT	RESIDUE BF NIGHT SHIFT (C)	RESIDUE BF 'D' SHIFT	
				17-APR-2015 09:50	HK1512910-001	HK1512910-002	HK1512910-003	HK1512910-004	HK1512910-005	20-APR-2015 00:00
EA/ED: Physical and Aggregate Properties										
EA002: pH Value	---	0.1	pH Unit	9.7	9.6	9.7	9.5	10.8		
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	22.3	2.4	0.8	2.3	<0.1		
EP: Aggregate Organics										
EP005: Total Organic Carbon	---	0.05	%	---	<0.05	---	---	---		



Page Number : 4 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		Unit	pH Unit	%
			Client sampling date / time	Client sample ID			
EAJED: Physical and Aggregate Properties							
EA002: pH Value		0.1	18-APR-2015 11:30	ASH B COMMON SILO		10.0	
EA055: Moisture Content (dried @ 103°C)		0.1	18-APR-2015 15:10	ASH B COMMON SILO		19.0	
			19-APR-2015 11:15	ASH B COMMON SILO		9.7	9.7
			16-APR-2015 15:10	ASH B COMMON SILO		9.9	16.8
			18-APR-2015 10:15	ASH B COMMON SILO		20.2	9.6
			19-APR-2015 11:45	ASH B COMMON SILO		15.7	18.4



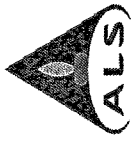
Page Number : 5 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE AF SILO
			Client sampling date / time	Unit					
EA1ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1		18-APR-2015 12:30	10.9	10.9	10.9	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	--	0.1		18-APR-2015 12:30	15.7	24.6	14.3	24.2	20.0



Page Number : 6 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Compound	CAS Number	Client sample ID	
		Client sampling date / time	Unit
		RESIDUE AF SILO	RESIDUE AE SILO
		19-APR-2015 14:20	19-APR-2015 14:50
		HK1512910-016	HK1512910-018
EA/ED: Physical and Aggregate Properties			
EA002: pH Value	—	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	—	24.6	18.9



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		ASH B COMMON SILO	ASH BF NIGHT SHIFT (C)	ASH BF 'D' SHIFT	RESIDUE BF NIGHT SHIFT (C)	RESIDUE BF 'D' SHIFT
			Client sampling date / time	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-005
EG020: Arsenic	7440-38-2	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-004
EG020: Barium	7440-39-3	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-003
EG020: Beryllium	7440-41-7	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-002
EG020: Cadmium	7440-43-9	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Chromium	7440-47-3	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Copper	7440-50-8	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Lead	7439-92-1	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Mercury	7439-97-6	0.2	<0.2	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Nickel	7440-02-0	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Selenium	7782-49-2	0.2	<0.2	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Silver	7440-22-4	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Thallium	7440-28-0	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Tin	7440-31-5	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Vanadium	7440-52-2	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
EG020: Zinc	7440-66-6	1	<1	mg/kg	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00	HK1512910-001
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
			1		1	1	1	2	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	Client sample ID					
			17-APR-2015 12:00	17-APR-2015 12:00		ASH B COMMON SILO 17-APR-2015 12:00 HK1512910-006	ASH B COMMON SILO 17-APR-2015 12:00 HK1512910-007	ASH B COMMON SILO 17-APR-2015 12:00 HK1512910-008	ASH B COMMON SILO 17-APR-2015 12:00 HK1512910-009	ASH B COMMON SILO 17-APR-2015 12:00 HK1512910-010	
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-52-2	1			mg/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			mg/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
						1	1	1	1	1	1



Page Number : 9 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID		RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE BF SILO	RESIDUE AF SILO
			Unit	Unit	17-APR-2015 12:00	17-APR-2015 12:00					
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	2	2	2	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-52-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	<1	<1	1	<1	2
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
				2	2	2	2	2	2	2	2



Page Number : 10 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF SILO	RESIDUE AE SILO	RESIDUE AE SILO
Compound	CAS Number	Client sampling date / time	Unit	17-APR-2015 12:00	17-APR-2015 12:00	17-APR-2015 12:00
		LOI		HK1512910-016	HK1512910-017	HK1512910-018
EG: Metals and Major Cations - Filtered						
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	0.2	<0.2	0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1
EG020: Tin	7440-51-5	1	mg/kg	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	2	2
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						
				2	2	2



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAJED: Physical and Aggregate Properties (QC Lot: 3905698)									
HK1512910-001	ASH B COMMON SILO	EA055: Moisture Content (dried @ 103°C)			0.1	%	22.3	22.9	2.8
HK1512910-011	RESIDUE BF SILO	EA056: Moisture Content (dried @ 103°C)			0.1	%	15.7	16.0	2.0
EAJED: Physical and Aggregate Properties (QC Lot: 3906492)									
HK1512910-001	ASH B COMMON SILO	EA002: pH Value			0.1	pH Unit	9.7	9.7	0.0
EP: Aggregate Organics (QC Lot: 3906574)									
HK1512910-002	ASH BF NIGHT SHIFT (C)	EP008: Total Organic Carbon			0.05	%	<0.05	<0.05	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method Blank (MB) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EP008: Total Organic Carbon		0.05	%	<0.05	40 %	97.8		81 115		

Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EP008: Total Organic Carbon		0.05	%	<0.05	40 %	97.8		81 115		

Method Blank (MB) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3907552)										

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	108		76 118		
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	98.8		72 124		
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	105		80 120		
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	96.8		74 122		
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	103		79 117		
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	102		78 120		
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.9		78 118		
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	91.7		79 115		
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	98.2		76 120		
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	104		78 120		
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	92.0		81 119		
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	92.3		76 114		
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.1		81 113		
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	94.6		79 119		
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	105		78 124		
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	103		70 130		



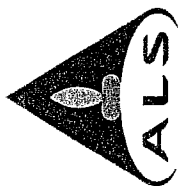
Page Number : 12 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1512910

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
Matrix: SOIL				40 %	93.6	---	75	125	---
EP: Aggregate Organics (QC Lot: 3906574)				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
HK1512910-002	ASH BF NIGHT SHIFT (C)	EP005: Total Organic Carbon	---	40 %	93.6	---	75	125	---
Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3907552)									
HK1512910-001	ASH B COMMON SILO	EG020: Antimony	7440-36-0	1 mg/L	110	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	106	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	103	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	106	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	103	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	100	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	99.7	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	103	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	97.0	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	108	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	107	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	82.6	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	104	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	101	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	107	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	107	---	75	125	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : **VW-VES(HK) LTD**
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Facsimile :
Project :
Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem (HK) Pty Ltd**
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Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number :
Page : **1 of 8**
Work Order : **HK1513182**
Date Samples Received : **22-APR-2015**
Issue Date : **24-APR-2015**
No. of samples received : **7**
No. of samples analysed : **7**

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Signatories

Position

Fung Lim Chee, Richard

General Manager

Authorised results for

Inorganics

ALS Laboratory Group
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A Campbell Brothers Limited Company



Page Number : 2 of 8
Client : VW-VES(HK) LTD
Work Order : HK1513182

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 23-APR-2015

Key: LOK = Limit of reporting. CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
Specific comments for Work Order: **HK1513182**

Sample(s) were picked up from client by ALS Technicians (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.



Page Number : 3 of 8
 Client : VW-VES(HK) LTD
 Work Order : HK1513182

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		RESIDUE BF SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BF SILO
		Client sampling date / time	Unit					
		LOR	Unit <td>21-APR-2015 09:55</td> <td>21-APR-2015 08:05</td> <td>21-APR-2015 13:05</td> <td>21-APR-2015 13:35</td> <td>20-APR-2015 13:10</td>	21-APR-2015 09:55	21-APR-2015 08:05	21-APR-2015 13:05	21-APR-2015 13:35	20-APR-2015 13:10
				HK1513182-001	HK1513182-002	HK1513182-003	HK1513182-004	HK1513182-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	pH Unit	11.0	10.2	10.1	10.1	10.7
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	12.4	17.3	23.6	23.3	23.6



Page Number : 4 of 8
 Client : VW-VES(HK) LTD
 Work Order : HK1513182

Sub-Matrix: SOLID

Compound	CAS Number		Client sample ID	
	Unit	LOR	Client sampling date / time	Unit
EA002: pH Value	—	0.1	RESIDUE BF SILO 21-APR-2015 14:30	pH Unit
EA055: Moisture Content (dried @ 103°C)	—	0.1	RESIDUE BF SILO 22-APR-2015 08:30	%
			HK1513182-006	10.9
			HK1513182-007	25.2
				10.8
				30.8



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		LOR	Unit	RESIDUE BF SILO	ASH B COMMON SILO	ASH B COMMON SILO	ASH B COMMON SILO	RESIDUE BF SILO					
		Client sampling date / time	Client sampling date / time												
EG: Metals and Major Cations - Filtered															
EG020: Antimony	7440-36-0	1	mg/L	1	<1	20-APR-2015 12:00	HK1513182-001	20-APR-2015 12:00	HK1513182-002	20-APR-2015 12:00	HK1513182-003	20-APR-2015 12:00	HK1513182-004	20-APR-2015 12:00	HK1513182-005
EG020: Arsenic	7440-38-2	1	mg/L	1	<1										
EG020: Barium	7440-39-3	1	mg/L	1	<1										
EG020: Beryllium	7440-41-7	1	mg/L	1	<1										
EG020: Cadmium	7440-43-9	1	mg/L	1	<1										
EG020: Chromium	7440-47-3	1	mg/L	1	<1										
EG020: Copper	7440-50-8	1	mg/L	1	1										
EG020: Lead	7439-92-1	1	mg/L	1	<1										
EG020: Mercury	7439-97-6	0.2	mg/L	0.2	<0.2										
EG020: Nickel	7440-02-0	1	mg/L	1	<1										
EG020: Selenium	7782-49-2	0.2	mg/L	0.2	<0.2										
EG020: Silver	7440-22-4	1	mg/L	1	<1										
EG020: Thallium	7440-28-0	1	mg/L	1	<1										
EG020: Tin	7440-31-5	1	mg/L	1	<1										
EG020: Vanadium	7440-62-2	1	mg/L	1	<1										
EG020: Zinc	7440-66-6	1	mg/L	1	<1										
Sample Preparation Method															
E-TCLP: Extraction Fluid Number															



Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time	
Compound	CAS Number	LOR	Unit	RESIDUE BF SILO 20-APR-2015 12:00 HK1513182-006	RESIDUE BF SILO 20-APR-2015 12:00 HK1513182-007
EG: Metals and Major Cations - Filtered					
EG020: Antimony	7440-36-0	1	mg/L	<1	<1
EG020: Arsenic	7440-38-2	1	mg/L	<1	<1
EG020: Barium	7440-39-3	1	mg/L	<1	<1
EG020: Beryllium	7440-41-7	1	mg/L	<1	<1
EG020: Cadmium	7440-43-9	1	mg/L	<1	<1
EG020: Chromium	7440-47-3	1	mg/L	<1	<1
EG020: Copper	7440-50-8	1	mg/L	1	<1
EG020: Lead	7439-92-1	1	mg/L	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/L	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/L	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/L	<1	<1
EG020: Thallium	7440-28-0	1	mg/L	<1	<1
EG020: Tin	7440-31-5	1	mg/L	<1	<1
EG020: Vanadium	7440-62-2	1	mg/L	<1	<1
EG020: Zinc	7440-66-6	1	mg/L	<1	<1
Sample Preparation Method					
E-TCLP: Extraction Fluid Number					
				1	1



Page Number : 7 of 8
 Client : VW-VES(HK) LTD
 Work Order : HK1513182

Laboratory Duplicate (DUP) Report

Laboratory Sample ID	Client Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report			
				LOR	Unit	Original Result	Duplicate Result
EAJED: Physical and Aggregate Properties (QC Lot: 3909219)							
HK1513182-001	RESIDUE BF SILO	EA055: Moisture Content (dried @ 103°C)	—	%	12.4	12.6	1.6
EAJED: Physical and Aggregate Properties (QC Lot: 3909940)							
HK1513182-001	RESIDUE BF SILO	EA002: pH Value	—	pH Unit	11.0	11.0	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
		LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3910553)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	99.9	—	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	110	—	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	108	—	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	108	—	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	104	—	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	83.5	—	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	79.4	—	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.3	—	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	105	—	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	79.7	—	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	97.4	—	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	90.3	—	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	99.0	—	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	99.2	—	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	106	—	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	81.6	—	70	130	—	—



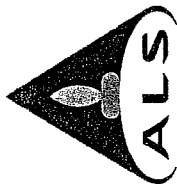
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration		Spike Recovery (%)		Recovery Limits (%)			Value	RPD (%)	Control Limit
				MS	MSD	MS	MSD	Low	High				
EG: Metals and Major Cations Filtered (QC Lot: 3910553)													
HK1513182-001	RESIDUE BF SILO			EG020: Antimony	7440-36-0	1 mg/L	106	—	—	75	125	—	—
				EG020: Arsenic	7440-38-2	1 mg/L	106	—	—	75	125	—	—
				EG020: Barium	7440-39-3	1 mg/L	109	—	—	75	125	—	—
				EG020: Beryllium	7440-41-7	1 mg/L	118	—	—	75	125	—	—
				EG020: Cadmium	7440-43-9	1 mg/L	110	—	—	75	125	—	—
				EG020: Chromium	7440-47-3	1 mg/L	118	—	—	75	125	—	—
				EG020: Copper	7440-50-8	1 mg/L	100	—	—	75	125	—	—
				EG020: Lead	7439-92-1	1 mg/L	104	—	—	75	125	—	—
				EG020: Mercury	7439-97-6	0.2 mg/L	84.4	—	—	75	125	—	—
				EG020: Nickel	7440-02-0	1 mg/L	110	—	—	75	125	—	—
				EG020: Selenium	7782-49-2	1 mg/L	116	—	—	75	125	—	—
				EG020: Silver	7440-22-4	1 mg/L	94.2	—	—	75	125	—	—
				EG020: Thallium	7440-28-0	1 mg/L	104	—	—	75	125	—	—
				EG020: Tin	7440-31-5	1 mg/L	106	—	—	75	125	—	—
				EG020: Vanadium	7440-62-2	1 mg/L	125	—	—	75	125	—	—
				EG020: Zinc	7440-66-6	1 mg/L	122	—	—	75	125	—	—

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : VW-VES(HK) LTD
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Page : 1 of 24
Work Order : HK1513738

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1
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Date Samples Received : 27-APR-2015
Issue Date : 29-APR-2015
No. of samples received : 45
No. of samples analysed : 45

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Signatories
Fung Lim Chee, Richard

Position
General Manager

Authorised results for
Inorganics



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Client : VW-VES(HK) LTD
Work Order : HK1513738

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 29-APR-2015

Key: IOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: HK1513738

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

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 Client : VW-VES(HK) LTD
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Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		Unit	Client sampling date / time	Residue AF
			ASH B COMMON SILO	ASH BE SILO			
EA002: pH Value	----	0.1	10.6	10.0	pH Unit	23-APR-2015 09:30	23-APR-2015 14:30
EA055: Moisture Content (dried @ 103°C)	----	0.1	27.0	22.6	%	23-APR-2015 11:10	23-APR-2015 16:45
						HK1513738-001	HK1513738-004
						HK1513738-002	HK1513738-005



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 Client : VW-VES(HK) LTD
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Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE BF SILO	RESIDUE AF	RESIDUE AF SILO	ASH AF SILO
			Client sampling date / time	Unit					
					HK1513738-006	HK1513738-007	HK1513738-008	HK1513738-009	HK1513738-010
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	pH Unit		10.7	11.0	10.4	10.7	10.1
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		24.1	16.6	34.4	21.7	21.3



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 Client : VW-VES(HK) LTD
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Compound	Sub-Matrix: SOLID	Client sample ID		LOR	Unit	pH Unit	%
		Client sampling date / time	Client sample ID				
EA/ED: Physical and Aggregate Properties		ASH AF SILO	ASH B COMMON SILO				
		24-APR-2015 10:00	24-APR-2015 11:00				
		HK1513738-011	HK1513738-012				
EA002: pH Value		9.7	10.2		pH Unit	9.7	10.8
EA055: Moisture Content (dried @ 103 °C)		21.2	15.5		%	11.8	20.0
							9.8
							19.1

ASH BE 25-APR-2015 16:30
 HK1513738-014

ASH BF 24-APR-2015 14:45
 HK1513738-013

ASH B廠 中國灰 25-APR-2015 16:00
 HK1513738-015



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 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Sub-Matrix: SOLID

Compound	Client sample ID		Client sampling date / time		Client sampling date / time		Client sampling date / time	
	CAS Number	LOR	Unit	ASH AF	ASH AF	ASH AF	RESIDUE BF	RESIDUE BF
EA/ED: Physical and Aggregate Properties				25-APR-2015 09:25	25-APR-2015 11:00	25-APR-2015 12:30	24-APR-2015 11:50	24-APR-2015 14:10
EA002: pH Value	----	0.1	pH Unit	9.6	9.6	9.7	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	19.4	17.0	20.6	25.8	21.2
				HK1513738-016	HK1513738-017	HK1513738-018	HK1513738-019	HK1513738-020



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 Client : VW-VES(HK) LTD
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Compound	CAS Number	LOR	Client sample ID					
			Client sampling date / time	RESIDUE BF	RESIDUE AF SILO	RESIDUE AF	RESIDUE AF	
EA002: pH Value	----	0.1	24-APR-2015 13:30 HK1513738-021	10.9	24-APR-2015 07:45 HK1513738-022	10.8	24-APR-2015 15:50 HK1513738-024	24-APR-2015 15:10 HK1513738-025
EA055: Moisture Content (dried @ 103°C)	----	0.1	19.2	21.3	22.4	24.7	10.8	22.8



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 Client : VW-VES(HK) LTD
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Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit				
EA002: pH Value	----	0.1	25-APR-2015 13:06	HK1513738-026	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	25-APR-2015 17:15	HK1513738-027	19.4	29.9	22.3	24.7
			25-APR-2015 07:20	HK1513738-028				
			25-APR-2015 14:00	HK1513738-029				
			25-APR-2015 08:40	HK1513738-030				

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Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID			
			Unit	Unit	Unit	Unit		
EA002: pH Value	----	0.1	25-APR-2015 14:30	RESIDUE AF	25-APR-2015 14:50	RESIDUE AF	26-APR-2015 09:40	ASH AF
EA055: Moisture Content (dried @ 103 °C)	----	0.1	HK1513738-031	HK1513738-032	HK1513738-033	HK1513738-034	HK1513738-035	HK1513738-035
			10.7	10.7	10.7	10.2	9.8	
			25.9	23.1	22.2	8.2	20.6	



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 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit					
			26-APR-2015 12:15	HK1513738-036	26-APR-2015 08:40	26-APR-2015 14:15	26-APR-2015 07:30	26-APR-2015 11:30	26-APR-2015 11:30
					HK1513738-037	HK1513738-038	HK1513738-039	HK1513738-040	HK1513738-040
Sub-Matrix: SOLID									
IPA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	10.7		10.8	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	25.1		23.1	25.1	22.5	23.4	23.4

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 Client : VW-VES(HK) LTD
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Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit				
EA/ED: Physical and Aggregate Properties	----	0.1	26-APR-2015 13:25	HK1513738-041	26-APR-2015 12:30	26-APR-2015 16:10	26-APR-2015 15:10	26-APR-2015 17:17
	----	0.1			HK1513738-042	HK1513738-043	HK1513738-044	HK1513738-045
EA002: pH Value			10.8		10.8	10.7	10.8	10.8
EA055: Moisture Content (dried @ 103°C)			24.8		23.6	24.4	23.4	26.9



Compound	CAS Number	LOR	Client sample ID				RESIDUE AF
			ASH B COMMON SILO	ASH BE SILO	ASH AF	ASH AF	
			23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	
			HK1513738-001	HK1513738-002	HK1513738-003	HK1513738-004	
			Unit				
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	
EG020: Copper	7440-50-8	1	<1	<1	<1	<1	
EG020: Lead	7439-97-1	1	<1	<1	<1	<1	
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	
EG020: Vanadium	7440-62-2	1	<1	<1	<1	<1	
EG020: Zinc	7440-66-6	1	<1	<1	<1	<1	
Sample Preparation Method							
E-TCLP: Extraction Fluid			1	1	1	1	
Number							



Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time		Client sample ID		Client sampling date / time		Client sample ID		Client sampling date / time	
Compound	CAS Number	LOR	Unit	RESIDUE AF	RESIDUE BF SILO	RESIDUE AF	RESIDUE AF SILO	RESIDUE AF	RESIDUE AF SILO	RESIDUE AF	RESIDUE AF SILO	RESIDUE AF	RESIDUE AF SILO
EG: Metals and Major Cations - Filtered													
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	0.2	<0.2	0.2	<0.2	0.2	<0.2	0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	1	<1	1	<1	1	<1	1	<1	<1
Sample Preparation Method													
E-TCLP: Extraction Fluid	----	-	--	1	2	1	1	1	1	1	1	1	1
Number													



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 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID									
			Client sampling date / time	Unit	ASH AF SILO	ASH B COMMON SILO	ASH BF	ASH BE	ASH B廠 中間灰			
			23-APR-2015 12:00	HK1513738-011	23-APR-2015 12:00	HK1513738-012	23-APR-2015 12:00	HK1513738-013	23-APR-2015 12:00	HK1513738-014	23-APR-2015 12:00	HK1513738-015
EG: Metals and Major Cations - Filtered												
EG020: Antimony	7440-36-0	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Sample Preparation Method												
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1	1	1	1	1



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Sub-Matrix: TCLP LEACHATE		Client sample ID		ASH AF	ASH AF	ASH AF	RESIDUE BF	RESIDUE BF
Compound	CAS Number	LZR	Client sampling date / time	Unit	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00
					HK1513738-016	HK1513738-017	HK1513738-018	HK1513738-019
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1		mg/kg	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		mg/kg	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		mg/kg	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		mg/kg	<1	<1	<1	2
EG020: Lead	7439-92-1	1		mg/kg	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	<0.2	<0.2	<0.2	0.2
EG020: Silver	7440-22-4	1		mg/kg	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/kg	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/kg	<1	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid					1	1	1	1
Number								2



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 Client : VW-VES(HK) LTD
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Sub-Matrix: TCLP LEACHATE

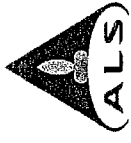
Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE AF SILO	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	<1
EG020: Barium	7440-39-5	1			<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-0	1			<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1			2	<1	<1	<1	<1
EG020: Lead	7439-92-1	1			<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2			<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid									
Number					2	1	1	1	1



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 Client : WY-VES(HK) LTD
 Work Order : HK1513738

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time				Residue AF	Residue AF	Residue AF	Residue AF
			23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00				
			HK1513738-026	HK1513738-027	HK1513738-028	HK1513738-029	HK1513738-030			
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Copper	7440-50-8	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Lead	7439-92-1	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Vanadium	7440-62-2	1	<1	<1	<1	<1	<1	<1	<1	
EG020: Zinc	7440-66-6	1	<1	<1	<1	<1	<1	<1	<1	
Sample Preparation Method										
E-TCLP: Extraction Fluid										
Number	----	-	1	1	1	1	1	1	1	



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 Client : VW-VBS(HK) LTD
 Work Order : HK1513738

Compound	CAS Number	LOR	Client sample ID				Unit	RESIDUE AF	RESIDUE AF	RESIDUE AF	ASH AF	ASH AF
			Client sampling date / time	Client sampling date / time	Client sampling date / time	Client sampling date / time						
Sub-Matrix: TCLP LEACHATE												
EG: Metals and Major Cations - Filtered												
EG020: Antimony	7440-36-0	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2				mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2				mg/kg	<0.2	0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1				mg/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1				mg/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method												
E-TCLP: Extraction Fluid	----	-					1	1	1	1	1	1
Number												



Page Number : 19 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
Compound	CAS Number	LOR	Client sampling date / time	Unit	HK1513738-036	HK1513738-037	HK1513738-038	HK1513738-039
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1		mg/kg	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		mg/kg	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		mg/kg	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		mg/kg	<1	<1	<1	<1
EG020: Lead	7439-92-1	1		mg/kg	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		mg/kg	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/kg	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/kg	<1	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid	----	-		--	1	1	1	1
Number					1	1	1	1



Page Number : 20 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Compound	CAS Number	LOR	Client sampling date / time	Client sample ID			
				RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00	23-APR-2015 12:00
			HK1513738-041	HK1513738-042	HK1513738-043	HK1513738-044	HK1513738-045
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid							
Number							
				1	1	1	1



Page Number : 21 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1513738

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method/Compound	CAS Number	LOR	Unit	Laboratory Duplicate (DUP) Report			RPD (%)
						Original Result	Duplicate Result	Duplicate Result	
Matrix: SOIL									
EA/ED: Physical and Aggregate Properties (QC Lot: 3913952)									
HK1513738-001	ASH B COMMON SILO	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	27.0	26.6	26.6	1.2
HK1513738-011	ASH AF SILO	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.2	21.7	21.7	2.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3913953)									
HK1513738-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	19.2	19.7	19.7	2.9
HK1513738-031	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	25.9	25.8	25.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3913954)									
HK1513738-041	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	24.8	24.7	24.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3914806)									
HK1513738-001	ASH B COMMON SILO	EA002: pH Value	----	0.1	pH Unit	10.6	10.6	10.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3914807)									
HK1513738-021	RESIDUE BF	EA002: pH Value	----	0.1	pH Unit	10.9	10.8	10.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3914808)									
HK1513738-041	RESIDUE AF	EA002: pH Value	----	0.1	pH Unit	10.8	10.8	10.8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method/Compound	CAS Number	LOR	Unit	Result	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits Low	Recovery Limits High	Value	RPD (%)
Matrix: WATER											
EG: Metals and Major Cations - Filtered (QC Lot: 3915519)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	100	----	76	118	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	103	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	102	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	100	----	74	122	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.0	----	79	117	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.4	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.7	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	102	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	117	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	97.6	----	78	120	----	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	109	----	81	119	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.0	----	76	114	----	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	100	----	81	113	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	102	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	99.8	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	101	----	70	130	----	----



Method Blank (MB) Report

Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

Method Compound	CAS Number	LOR	Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
			Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits Low	Recovery Limits High	Value	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3915520)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.0	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	96.7	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	104	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	103	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	96.5	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	101	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.8	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	109	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	119	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.9	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	103	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	103	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	108	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	103	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	98.9	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	97.9	---	70	130	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3915521)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	94.0	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	97.7	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	104	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	99.9	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	94.7	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.6	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	94.4	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	106	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	94.1	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	105	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.6	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	103	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	101	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	96.3	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	98.4	---	70	130	---	---



Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory Sample ID	Client sample ID	Method Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report				
				MS	MSD	Recovery (%)	High	Value
EG: Metals and Major Cations - Filtered (QC Lot: 3915519)								
HK1513738-001	ASH B COMMON SILO							
EG020: Antimony		7440-36-0		114	----	75	125	----
EG020: Arsenic		7440-38-2		102	----	75	125	----
EG020: Barium		7440-39-3		101	----	75	125	----
EG020: Beryllium		7440-41-7		100	----	75	125	----
EG020: Cadmium		7440-43-9		99.5	----	75	125	----
EG020: Chromium		7440-47-3		99.6	----	75	125	----
EG020: Copper		7440-50-8		98.4	----	75	125	----
EG020: Lead		7439-92-1		103	----	75	125	----
EG020: Mercury		7439-97-6		118	----	75	125	----
EG020: Nickel		7440-02-0		97.0	----	75	125	----
EG020: Selenium		7782-49-2		121	----	75	125	----
EG020: Silver		7440-22-4		87.0	----	75	125	----
EG020: Thallium		7440-28-0		103	----	75	125	----
EG020: Tin		7440-31-5		106	----	75	125	----
EG020: Vanadium		7440-62-2		103	----	75	125	----
EG020: Zinc		7440-66-6		99.9	----	75	125	----
EG: Metals and Major Cations - Filtered (QC Lot: 3915520)								
HK1513738-021	RESIDUE BF							
EG020: Antimony		7440-36-0		107	----	75	125	----
EG020: Arsenic		7440-38-2		93.3	----	75	125	----
EG020: Barium		7440-39-3		95.9	----	75	125	----
EG020: Beryllium		7440-41-7		97.5	----	75	125	----
EG020: Cadmium		7440-43-9		90.6	----	75	125	----
EG020: Chromium		7440-47-3		94.1	----	75	125	----
EG020: Copper		7440-50-8		105	----	75	125	----
EG020: Lead		7439-92-1		93.7	----	75	125	----
EG020: Mercury		7439-97-6		115	----	75	125	----
EG020: Nickel		7440-02-0		84.4	----	75	125	----
EG020: Selenium		7782-49-2		115	----	75	125	----
EG020: Silver		7440-22-4		87.1	----	75	125	----
EG020: Thallium		7440-28-0		91.1	----	75	125	----
EG020: Tin		7440-31-5		97.1	----	75	125	----
EG020: Vanadium		7440-62-2		88.3	----	75	125	----
EG020: Zinc		7440-66-6		99.0	----	75	125	----
EG: Metals and Major Cations - Filtered (QC Lot: 3915521)								
HK1513738-041	RESIDUE AF							
EG020: Antimony		7440-36-0		114	----	75	125	----
EG020: Arsenic		7440-38-2		96.3	----	75	125	----
EG020: Barium		7440-39-3		103	----	75	125	----
EG020: Beryllium		7440-41-7		96.0	----	75	125	----
EG020: Cadmium		7440-43-9		95.3	----	75	125	----

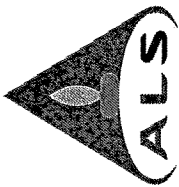


Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	Spike Recovery(%)	MSD	Recovery Limits Low (%) High	Value	RPD(%) Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3915521) - Continued									
HK1513738-041	RESIDUE AF	EG020: Chromium	7440-47-3	1 mg/L	99.0	----	75	125	----
		EG020: Copper	7440-50-8	1 mg/L	88.5	----	75	125	----
		EG020: Lead	7439-92-1	1 mg/L	101	----	75	125	----
		EG020: Mercury	7439-97-6	0.02 mg/L	108	----	75	125	----
		EG020: Nickel	7440-02-0	1 mg/L	91.2	----	75	125	----
		EG020: Selenium	7782-49-2	1 mg/L	112	----	75	125	----
		EG020: Silver	7440-22-4	1 mg/L	92.8	----	75	125	----
		EG020: Thallium	7440-28-0	1 mg/L	98.3	----	75	125	----
		EG020: Tin	7440-31-5	1 mg/L	104	----	75	125	----
		EG020: Vanadium	7440-62-2	1 mg/L	92.7	----	75	125	----
		EG020: Zinc	7440-66-6	1 mg/L	95.0	----	75	125	----

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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C-O-C number :
Site :

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Quote number :

Page : **1 of 10**
Work Order : **HK1514019**
Date Samples Received : **29-APR-2015**
Issue Date : **21-MAY-2015**
No. of samples received : **12**
No. of samples analysed : **12**

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

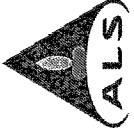
Fung Lim Chee, Richard

Position
General Manager

Authorised results for

Inorganics

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Page Number : 2 of 10
Client : VW-VES(HK) LTD
Work Order : HK1514019

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 12-MAY-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. Specific comments for Work Order: **HK1514019**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Dioxins and Furans were subcontracted to and analysed by ALS Czech Republic.



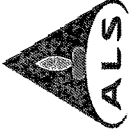
Page Number : 3 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	ASH AE	ASH AF	ASH AF	RESIDUE AF
				27-APR-2015 07:40	27-APR-2015 09:15	27-APR-2015 08:30	27-APR-2015 18:06	27-APR-2015 12:29
				HK1514019-001	HK1514019-002	HK1514019-003	HK1514019-004	HK1514019-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	9.7	9.8	9.6	9.7	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	10.6	16.1	18.7	22.8	25.2
EP: Aggregate Organics								
EP005: Total Organic Carbon	---	0.05	%	0.06	---	---	---	---

Page Number : 4 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019



Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	Unit	RESIDUE AE	RESIDUE AF
			27-APR-2015 15:40	HK1514019-006	27-APR-2015 14:45	27-APR-2015 14:05
				HK1514019-007	HK1514019-008	HK1514019-010
EA/ED: Physical and Aggregate Properties						
EA002: pH Value		0.1	11.0	10.9	10.9	10.9
EA055: Moisture Content (dried @ 103°C)		0.1	27.1	24.2	26.3	24.1



Page Number : 5 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019

Sub-Matrix: SOLID

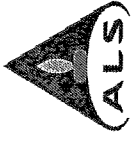
Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	Unit
			RESIDUE AF	RESIDUE AF
			27-APR-2015 12:00	27-APR-2015 10:00
			HK1514019-011	HK1514019-012
EA1ED: Physical and Aggregate Properties				
EA002: pH Value	—	0.1	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	—	0.1	21.0	21.5



Page Number : 6 of 10
 Client : VM-VES(HK) LTD
 Work Order : HK1514019

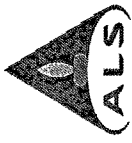
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID						
			Unit	Result	ASH AE	ASH AF	ASH AF	ASH AF	RESIDUE AF		
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	HK1514019-001	27-APR-2015 12:00	HK1514019-002	27-APR-2015 12:00	HK1514019-003	27-APR-2015 12:00	HK1514019-005
EG020: Arsenic	7440-38-2	1	mg/kg	<1							
EG020: Barium	7440-39-3	1	mg/kg	<1							
EG020: Beryllium	7440-41-7	1	mg/kg	<1							
EG020: Cadmium	7440-43-9	1	mg/kg	<1							
EG020: Chromium	7440-47-3	1	mg/kg	<1							
EG020: Copper	7440-50-8	1	mg/kg	<1							
EG020: Lead	7439-92-1	1	mg/kg	<1							
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2							
EG020: Nickel	7440-02-0	1	mg/kg	<1							
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2							
EG020: Silver	7440-22-4	1	mg/kg	<1							
EG020: Thallium	7440-28-0	1	mg/kg	<1							
EG020: Tin	7440-31-5	1	mg/kg	<1							
EG020: Vanadium	7440-52-2	1	mg/kg	<1							
EG020: Zinc	7440-66-6	1	mg/kg	<1							
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
				1		1		1		1	1



Page Number : 7 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	
			Client sampling date / time	Unit						
Sub-Matrix: TCLP LEACHATE										
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-010
EG020: Arsenic	7440-38-2	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Barium	7440-39-3	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Beryllium	7440-41-7	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Cadmium	7440-43-9	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Chromium	7440-47-3	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Copper	7440-50-8	1	1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Lead	7439-92-1	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Mercury	7439-97-6	0.2	<0.2	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Nickel	7440-02-0	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Selenium	7782-49-2	0.2	<0.2	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Silver	7440-22-4	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Thallium	7440-28-0	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Tin	7440-31-5	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Vanadium	7440-62-2	1	<1	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
EG020: Zinc	7440-66-6	1	2	mg/kg	27-APR-2015 12:00	HK1514019-006	27-APR-2015 12:00	HK1514019-008	27-APR-2015 12:00	HK1514019-009
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
			2			2		2		2



Page Number : 8 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF	RESIDUE AF
Compound	CAS Number	LOR	Client sampling date / time	27-APR-2015 12:00	27-APR-2015 12:00
			Unit	HK1514019-011	HK1514019-012
EG: Metals and Major Cations - Filtered					
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	<1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	<1
Sample Preparation Method					
E-TCLP: Extraction Fluid Number					
				2	1



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAJED: Physical and Aggregate Properties (QC Lot: 3917186)									
HK1514019-002	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	16.1	16.2	0.0
HK1514019-011	RESIDUE AF		EA056: Moisture Content (dried @ 103°C)		0.1	%	21.0	21.2	1.1
EAJED: Physical and Aggregate Properties (QC Lot: 3917893)									
HK1514019-001	ASH AE		EA002: pH Value		0.1	pH Unit	9.7	9.8	0.0
EP: Aggregate Organics (QC Lot: 3930600)									
HK1514019-001	ASH AE		EP005: Total Organic Carbon		0.05	%	0.06	0.06	0.0
HK1514409-001	Anonymous		EP005: Total Organic Carbon		0.05	%	<0.05	<0.05	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	Recovery Limits (%)	Value	Control Limit	RPD (%)
EP: Aggregate Organics (QC Lot: 3930600)										
EP005: Total Organic Carbon		0.05	%	<0.05	40 %	98.0	91 115			
Method Blank (MB) Report										
EG: Metals and Major Cations - Filtered (QC Lot: 3918281)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	111	76 118			
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	109	72 124			
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	109	80 120			
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	110	74 122			
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	112	79 117			
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	109	78 120			
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	107	78 118			
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	106	79 115			
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	110	76 120			
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	107	78 120			
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	114	81 119			
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	112	76 114			
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	106	81 113			
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	108	79 119			
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	104	78 124			
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	104	70 130			



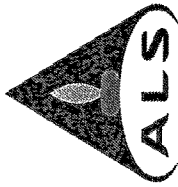
Page Number : 10 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1514019

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)						
EP: Aggregate Organics (QC Lot: 3930600)														
HK1514019-001	ASH AE	EP005: Total Organic Carbon		40 %	99.7		75	125						
Matrix: WATER														
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)						
EG: Metals and Major Cations - Filtered (QC Lot: 3918281)														
HK1514019-001	ASH AE													
EG020: Antimony			7440-36-0	1 mg/L	104		75	125						
EG020: Arsenic			7440-38-2	1 mg/L	97.3		75	125						
EG020: Barium			7440-39-3	1 mg/L	99.3		75	125						
EG020: Beryllium			7440-41-7	1 mg/L	92.8		75	125						
EG020: Cadmium			7440-43-9	1 mg/L	99.8		75	125						
EG020: Chromium			7440-47-3	1 mg/L	94.0		75	125						
EG020: Copper			7440-50-8	1 mg/L	94.5		75	125						
EG020: Lead			7439-92-1	1 mg/L	95.8		75	125						
EG020: Mercury			7439-97-6	0.02 mg/L	101		75	125						
EG020: Nickel			7440-02-0	1 mg/L	92.6		75	125						
EG020: Selenium			7782-49-2	1 mg/L	114		75	125						
EG020: Silver			7440-22-4	1 mg/L	82.1		75	125						
EG020: Thallium			7440-28-0	1 mg/L	92.2		75	125						
EG020: Tin			7440-31-5	1 mg/L	102		75	125						
EG020: Vanadium			7440-62-2	1 mg/L	98.5		75	125						
EG020: Zinc			7440-66-6	1 mg/L	96.6		75	125						

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Project : ----
Order number : ----
C-O-C number : ----
Site : ----

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Quote number : ----

Page : 1 of 15
Work Order : HK1514412

Date Samples Received : 04-MAY-2015
Issue Date : 06-MAY-2015
No. of samples received : 25
No. of samples analysed : 25

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group

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A Campbell Brothers Limited Company



Page Number : 2 of 15
Client : VW-VES(HK) LTD
Work Order : HK1514412

General Comments

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. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 05-MAY-2015

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: HK1514412

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

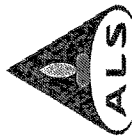
Sample(s) analysed and reported on an as received basis.

pH determined and reported on a 1:5 soil / water extract.

TCLP leachate sample(s) were filtered prior to dissolved metal analysis.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Page Number : 3 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1514412



Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sampling date / time	Client sample ID		
				ASH AF SHIFT D NIGHT	ASH BE	ASH B 中問灰
			27-APR-2015 00:00	28-APR-2015 00:00	01-MAY-2015 16:20	01-MAY-2015 17:25
			HK1514412-001	HK1514412-002	HK1514412-004	HK1514412-005
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	----	0.1		9.8	9.4	9.3
EA055: Moisture Content (dried @ 103°C)	----	0.1		0.5	24.5	31.9
						25.1

Page Number : 4 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1514412



Compound	CAS Number		Client sample ID		Client sampling date / time		ASH AE	ASH B 中間灰	ASH AE	ASH AE	RESIDUE AF SHIFT D NIGHT	
	---	---	Unit	Unit	LQR	Unit					Unit	27-APR-2015 00:00
EA002: pH Value	---	---	0.1	9.4	0.1	pH Unit	9.4	01-MAY-2015 17:45	02-MAY-2015 08:00	02-MAY-2015 08:25	27-APR-2015 00:00	28-APR-2015 00:00
EA055: Moisture Content (dried @ 103°C)	---	---	0.1	16.9	0.1	%	13.7	HK1514412-006	HK1514412-007	HK1514412-008	HK1514412-009	HK1514412-010

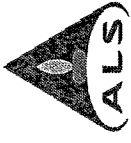
Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Page Number : 5 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Unit	Unit					
Sub-Matrix: SOLID									
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH	Unit	10.4	10.7	10.6	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		23.0	26.2	24.5	24.3	24.8



Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	01-MAY-2015 08:40	pH Unit	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	01-MAY-2015 08:40	%	26.1	21.5	27.2	19.9
			01-MAY-2015 08:40		10.8	10.8	10.8	10.8
			01-MAY-2015 08:40		HK1514412-016	HK1514412-017	HK1514412-018	HK1514412-019
			01-MAY-2015 08:40		HK1514412-017	HK1514412-018	HK1514412-019	HK1514412-020
			01-MAY-2015 08:40		01-MAY-2015 08:40	01-MAY-2015 09:40	01-MAY-2015 10:40	01-MAY-2015 11:20



Page Number : 7 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF
			01-MAY-2015 12:00	01-MAY-2015 12:44	01-MAY-2015 13:22	03-MAY-2015 08:06
			HK1514412-021	HK1514412-022	HK1514412-023	HK1514412-025
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	----	0.1	pH Unit	10.6	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.0	22.6	28.3
				26.7	38.1	
				10.7		



Page Number : 8 of 15
 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	ASH AF SHIFT D NIGHT		ASH BE		ASH B 中開灰	
			date	time		date	time	date	time	date	time
EG020: Antimony	7440-36-0	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-005
EG020: Arsenic	7440-38-2	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-004
EG020: Barium	7440-39-3	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-003
EG020: Beryllium	7440-41-7	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-002
EG020: Cadmium	7440-43-9	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Chromium	7440-47-3	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Copper	7440-50-8	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Lead	7439-92-1	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Mercury	7489-97-6	0.2	<0.2	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Nickel	7440-02-0	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Selenium	7782-49-2	0.2	<0.2	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Silver	7440-22-4	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Thallium	7440-28-0	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Tin	7440-31-5	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Vanadium	7440-62-2	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
EG020: Zinc	7440-66-6	1	<1	mg/kg	27-APR-2015 12:00	28-APR-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	HK1514412-001
Sample Preparation Method											
E-TCLP: Extraction Fluid											
Number											
			1		1	1	1	1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	ASH								
			Unit	Unit		ASH B 中間灰	ASH AE	ASH AE	RESIDUE AF SHIFT D NIGHT	RESIDUE AF SHIFT D NIGHT				
EG020: Antimony	7440-36-0	1	mg/kg	<1	01-MAY-2015 12:00	02-MAY-2015 12:00	02-MAY-2015 12:00	27-APR-2015 12:00	28-APR-2015 12:00	HK1514412-006	HK1514412-007	HK1514412-008	HK1514412-009	HK1514412-010
EG020: Arsenic	7440-38-2	1	mg/kg	<1										
EG020: Barium	7440-39-3	1	mg/kg	<1										
EG020: Beryllium	7440-41-7	1	mg/kg	<1										
EG020: Cadmium	7440-43-9	1	mg/kg	<1										
EG020: Chromium	7440-47-3	1	mg/kg	<1										
EG020: Copper	7440-50-8	1	mg/kg	<1										
EG020: Lead	7439-92-1	1	mg/kg	<1										
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2										
EG020: Nickel	7440-02-0	1	mg/kg	<1										
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2										
EG020: Silver	7440-22-4	1	mg/kg	<1										
EG020: Thallium	7440-28-0	1	mg/kg	<1										
EG020: Tin	7440-31-5	1	mg/kg	<1										
EG020: Vanadium	7440-62-2	1	mg/kg	<1										
EG020: Zinc	7440-66-6	1	mg/kg	<1										
Sample Preparation Method														
E-TCLP: Extraction Fluid														
Number														



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 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		mg/kg	2	1	2	2	2
EG020: Lead	7439-92-1	1		mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/kg	2	1	2	1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid					2	2	2	2	2
Number									



Sub-Matrix: TCLP LEACHATE		Client sample ID			
Compound	CAS Number	LOR	Client sampling date / time	RESIDUE BF	RESIDUE BF
				01-MAY-2015 12:00	01-MAY-2015 12:00
			Unit	HK1514412-016	HK1514412-017
				01-MAY-2015 12:00	01-MAY-2015 12:00
				HK1514412-018	HK1514412-019
				01-MAY-2015 12:00	01-MAY-2015 12:00
				HK1514412-020	HK1514412-020
EG: Metals and Major Cations - Filtered					
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	1
Sample Preparation Method					
E-TCLP: Extraction Fluid				2	2
Number				2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling data / time		Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	ASH AE	RESIDUE AE
			Unit	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00					
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	2	2	<1	<1	1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	1	1	1	1	<1	<1	1
Sample Preparation Method											
E-TCLP: Extraction Fluid	----	-	--	2	2	2	2	2	1	1	2
Number											



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3921465)							
HK1514412-001	ASH AF SHIFT D NIGHT	EA055: Moisture Content (dried @ 103°C)	0.1	%	0.5	0.4	26.4
HK1514412-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	0.1	%	23.0	22.6	1.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3921466)							
HK1514412-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	0.1	%	22.0	21.8	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3922160)							
HK1514412-001	ASH AF SHIFT D NIGHT	EA002: pH Value	0.1	pH Unit	9.8	9.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3922161)							
HK1514412-021	RESIDUE BF	EA002: pH Value	0.1	pH Unit	10.6	10.7	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
Method: Chomound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Low	Recovery High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3922818)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	98.4	----	----	76	118	----	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	108	----	----	72	124	----	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	103	----	----	80	120	----	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	105	----	----	74	122	----	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	93.5	----	----	79	117	----	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.4	----	----	78	120	----	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	101	----	----	78	118	----	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	108	----	----	79	115	----	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	116	----	----	76	120	----	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	102	----	----	78	120	----	----	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	109	----	----	81	119	----	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.2	----	----	76	114	----	----	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	103	----	----	81	113	----	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.1	----	----	79	119	----	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	105	----	----	78	124	----	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	98.6	----	----	70	130	----	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3922819)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.8	----	----	76	118	----	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	102	----	----	72	124	----	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	96.6	----	----	80	120	----	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	96.2	----	----	74	122	----	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	90.8	----	----	79	117	----	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.8	----	----	78	120	----	----	----



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 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Matrix: WATER

Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
Method Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	Recovery Limits	RPD (%)	
					LCS	DCS	Low High	Value	
EG: Metals and Major Cations - Filtered (QC Lot: 3922819) - Continued									
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.7	78 118	78 118	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	106	79 115	79 115	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	111	76 120	76 120	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	102	78 120	78 120	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	95.7	81 119	81 119	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.2	76 114	76 114	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	81 113	81 113	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	91.9	79 119	79 119	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	101	78 124	78 124	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	98.4	70 130	70 130	----



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 Client : VW-VES(HK) LTD
 Work Order : HK1514412

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method/Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report									
				Spike Concentration	MS	MSD	Recovery Limits	RPD (%)	Control Limit				
EG: Metals and Major Cations - Filtered (QC Lot: 3922818)													
HK1514412-001	ASH AF SHIFT D NIGHT	EG020: Antimony	7440-36-0	1 mg/L	101	----	75	125	----	----			
		EG020: Arsenic	7440-38-2	1 mg/L	110	----	75	125	----	----			
		EG020: Barium	7440-39-3	1 mg/L	106	----	75	125	----	----			
		EG020: Beryllium	7440-41-7	1 mg/L	105	----	75	125	----	----			
		EG020: Cadmium	7440-43-9	1 mg/L	95.6	----	75	125	----	----			
		EG020: Chromium	7440-47-3	1 mg/L	102	----	75	125	----	----			
		EG020: Copper	7440-50-8	1 mg/L	102	----	75	125	----	----			
		EG020: Lead	7439-92-1	1 mg/L	105	----	75	125	----	----			
		EG020: Mercury	7439-97-6	0.02 mg/L	112	----	75	125	----	----			
		EG020: Nickel	7440-02-0	1 mg/L	101	----	75	125	----	----			
		EG020: Selenium	7782-49-2	1 mg/L	113	----	75	125	----	----			
		EG020: Silver	7440-22-4	1 mg/L	89.0	----	75	125	----	----			
		EG020: Thallium	7440-28-0	1 mg/L	97.7	----	75	125	----	----			
		EG020: Tin	7440-31-5	1 mg/L	98.0	----	75	125	----	----			
		EG020: Vanadium	7440-62-2	1 mg/L	107	----	75	125	----	----			
		EG020: Zinc	7440-66-6	1 mg/L	104	----	75	125	----	----			
EG: Metals and Major Cations - Filtered (QC Lot: 3922819)													
HK1514412-021	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	99.9	----	75	125	----	----			
		EG020: Arsenic	7440-38-2	1 mg/L	109	----	75	125	----	----			
		EG020: Barium	7440-39-3	1 mg/L	102	----	75	125	----	----			
		EG020: Beryllium	7440-41-7	1 mg/L	101	----	75	125	----	----			
		EG020: Cadmium	7440-43-9	1 mg/L	95.0	----	75	125	----	----			
		EG020: Chromium	7440-47-3	1 mg/L	107	----	75	125	----	----			
		EG020: Copper	7440-50-8	1 mg/L	77.3	----	75	125	----	----			
		EG020: Lead	7439-92-1	1 mg/L	102	----	75	125	----	----			
		EG020: Mercury	7439-97-6	0.02 mg/L	112	----	75	125	----	----			
		EG020: Nickel	7440-02-0	1 mg/L	102	----	75	125	----	----			
		EG020: Selenium	7782-49-2	1 mg/L	124	----	75	125	----	----			
		EG020: Silver	7440-22-4	1 mg/L	75.9	----	75	125	----	----			
		EG020: Thallium	7440-28-0	1 mg/L	99.1	----	75	125	----	----			
		EG020: Tin	7440-31-5	1 mg/L	97.8	----	75	125	----	----			
		EG020: Vanadium	7440-62-2	1 mg/L	110	----	75	125	----	----			
		EG020: Zinc	7440-66-6	1 mg/L	92.0	----	75	125	----	----			