

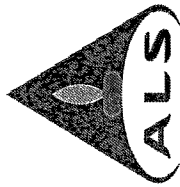
August 2015

6-Aug-15 LIK1528708 003	RESIDUE	10.8	<1	6-Aug-15 LIK1528708 004	RESIDUE	10.8	<1	6-Aug-15 LIK1528708 005	RESIDUE	10.8	<1	6-Aug-15 LIK1528708 006	RESIDUE	11.0	<1	6-Aug-15 LIK1528708 007	RESIDUE	10.8	<1	6-Aug-15 LIK1528708 008	RESIDUE	10.9	<1	6-Aug-15 LIK1528708 009	RESIDUE	10.7	<1	6-Aug-15 LIK1528708 010	RESIDUE	10.9	<1	6-Aug-15 LIK1528708 011	ASH	9.6	<1	6-Aug-15 LIK1528708 012	ASH	9.4	<1	6-Aug-15 LIK1528708 013	ASH	9.6	<1	9-Aug-15 LIK1529094 001	ASH	9.6	<1	7-Aug-15 LIK1529094 002	ASH	10.2	<1	7-Aug-15 LIK1529094 003	ASH	10.0	<1	7-Aug-15 LIK1529094 004	ASH	10.2	<1	8-Aug-15 LIK1529094 005	ASH	10.0	<1	8-Aug-15 LIK1529094 006	ASH	10.0	<1	8-Aug-15 LIK1529094 007	ASH	9.8	<1	8-Aug-15 LIK1529094 008	ASH	9.8	<1	8-Aug-15 LIK1529094 009	ASH	9.6	<1	9-Aug-15 LIK1529094 010	ASH	9.9	<1
---	---------	------	----	---	---------	------	----	---	---------	------	----	---	---------	------	----	---	---------	------	----	---	---------	------	----	---	---------	------	----	---	---------	------	----	---	-----	-----	----	---	-----	-----	----	---	-----	-----	----	---	-----	-----	----	---	-----	------	----	---	-----	------	----	---	-----	------	----	---	-----	------	----	---	-----	------	----	---	-----	-----	----	---	-----	-----	----	---	-----	-----	----	---	-----	-----	----

12-Aug-15 HK1530133 012	ASH	9.5	<1	
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12-Aug-15 HK1530133 014	RESIDUE	10.6	<1	
12-Aug-15 HK1530133 015	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 016	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 017	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 018	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 019	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 020	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 021	RESIDUE	10.7	<1	
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13-Aug-15 HK1530133 024	ASH	9.8	<1	
13-Aug-15 HK1530133 025	ASH	9.8	<1	
13-Aug-15 HK1530133 026	ASH	9.7	<1	
13-Aug-15 HK1530133 027	ASH	9.7	<1	
13-Aug-15 HK1530133 028	ASH	10.0	<1	
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13-Aug-15 HK1530133 031	ASH	9.6	<1	
13-Aug-15 HK1530133 032	ASH	9.7	<1	
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12-Aug-15 HK1530133 013	ASH	9.6	<1	
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12-Aug-15 HK1530133 015	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 016	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 017	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 018	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 019	RESIDUE	10.8	<1	
12-Aug-15 HK1530133 020	RESIDUE	10.7	<1	
12-Aug-15 HK1530133 021	RESIDUE	10.7	<1	
13-Aug-15 HK1530133 022	ASH	10.2	<1	
13-Aug-15 HK1530133 023	ASH	9.8	<1	
13-Aug-15 HK1530133 024	ASH	9.8	<1	
13-Aug-15 HK1530133 025	ASH	9.8	<1	
13-Aug-15 HK1530133 026	ASH	9.7	<1	
13-Aug-15 HK1530133 027	ASH	9.7	<1	
13-Aug-15 HK1530133 028	ASH	10.0	<1	
13-Aug-15 HK1530133 029	ASH	10.0	<1	
13-Aug-15 HK1530133 030	ASH	9.9	<1	
13-Aug-15 HK1530133 031	ASH	9.6	<1	
13-Aug-15 HK1530133 032	ASH	9.7	<1	

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : **VW-VES(HK) LTD**
Contact : **MS JENNIFER CHAN**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **Jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project : **---**
Order number : **---**
C-O-C number : **---**
Site : **---**

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : **---**
Date Samples Received : **05-AUG-2015**
Issue Date : **07-AUG-2015**
No. of samples received : **59**
No. of samples analysed : **59**

Page : **1 of 30**

Work Order : **HK1528133**

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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



Page Number : 2 of 30
Client : VW-VES(HK) LTD
Work Order : HK1528133

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: 06-AUG-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: **HK1528133**

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 4.86 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.



Page Number : 3 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Analytical Results

Sub-Matrix: SOLID

Client sample ID

Client sampling date / time

LOR

Unit

CAS Number

EA002: pH Value

EA055: Moisture Content (dried @ 103°C)

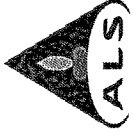
ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
01-AUG-2015 18:20	01-AUG-2015 14:25	01-AUG-2015 09:30	01-AUG-2015 13:30	01-AUG-2015 15:00
HK1528133-001	HK1528133-002	HK1528133-003	HK1528133-004	HK1528133-005
10.2	10.9	10.8	11.0	10.8
15.4	28.0	24.2	24.6	28.5

pH Unit

%

0.1

0.1



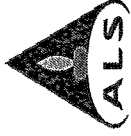
Page Number : 4 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Compound	CAS Number	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
		Client sampling date / time	Unit					
		01-AUG-2015 10:35	HK1528133-006	01-AUG-2015 10:35	01-AUG-2015 11:30	01-AUG-2015 14:50	01-AUG-2015 18:00	01-AUG-2015 10:00
				11.1	10.8	11.0	10.9	10.9
EA002: pH Value	---	0.1		pH Unit	27.2	28.4	23.4	26.2
EA056: Moisture Content (dried @ 103°C)	---	0.1		%				

EA002: Physical and Aggregate Properties

EA002: pH Value

EA056: Moisture Content (dried @ 103°C)



Page Number : 5 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID					
			Client sampling date / time	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF	
			Unit	01-AUG-2015 11:10	01-AUG-2015 16:30	01-AUG-2015 15:00	01-AUG-2015 08:00	01-AUG-2015 08:45
EA002: pH Value	---	0.1	pH Unit	10.8	10.8	10.9	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	28.9	27.8	19.6	24.2	26.2

EA002: pH Value

EA055: Moisture Content (dried @ 103°C)



Page Number : 6 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF
		Unit				
EA002: pH Value	---	0.1	01-AUG-2015 09:30	01-AUG-2015 11:00	01-AUG-2015 13:00	01-AUG-2015 16:30
EA055: Moisture Content (dried @ 103°C)	---	0.1	10.7	10.8	10.8	10.9
		%	27.3	27.1	26.9	27.9
			HK1528133-016	HK1528133-017	HK1528133-018	HK1528133-020



Page Number : 7 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		ASH AF	ASH AF	ASH AF	RESIDUE AE	RESIDUE AE
		Client sampling date / time	Unit					
		LOR	Unit	02-AUG-2015 11:45	02-AUG-2015 10:08	02-AUG-2015 10:30	02-AUG-2015 14:30	02-AUG-2015 15:30
				HK1528133-021	HK1528133-022	HK1528133-023	HK1528133-024	HK1528133-025
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.4	10.3	10.3	11.4	11.4
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	16.8	18.0	14.3	24.5	23.5



Page Number : 8 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Compound	CAS Number	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF
		LOR	Unit					
EA002: pH Value	—	0.1	pH Unit	11.4	11.3	10.9	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	26.7	27.5	15.3	27.8	25.1

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties

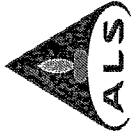


Page Number : 9 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
		Client sampling date / time	Unit					
		LOR		02-AUG-2015 10:55	02-AUG-2015 14:15	02-AUG-2015 13:25	02-AUG-2015 15:40	02-AUG-2015 12:30
				HK1528133-031	HK1528133-032	HK1528133-033	HK1528133-034	HK1528133-035
EA002: pH Value	--	0.1	pH Unit	10.8	10.9	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	29.2	27.8	27.9	29.3	26.0

EA/ED: Physical and Aggregate Properties



Page Number : 10 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Compound	Client sample ID		RESIDUE BF	ASH AF	ASH AF	ASH AF	RESIDUE BF
	Client sampling date / time	Unit					
			02-AUG-2015 15:05	03-AUG-2015 11:30	03-AUG-2015 09:25	03-AUG-2015 10:10	03-AUG-2015 07:40
			HK1528133-036	HK1528133-037	HK1528133-038	HK1528133-039	HK1528133-040
			10.8	10.4	10.3	10.2	10.8
			19.7	16.0	16.8	17.0	24.8
EA002: pH Value							
			0.1				
EA055: Moisture Content (dried @ 103°C)							
			0.1				

Sub-Matrix: SOLID

EA002: pH Value

EA055: Moisture Content (dried @ 103°C)



Page Number : 11 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID					
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE AF	
			Unit					
				03-AUG-2015 10:10	03-AUG-2015 13:20	03-AUG-2015 14:00	03-AUG-2015 08:40	03-AUG-2015 14:40
				HK1528133-041	HK1528133-042	HK1528133-043	HK1528133-044	HK1528133-045
EA002: pH Value								
		0.1	pH Unit	10.8	10.9	10.8	10.8	11.4
EA055: Moisture Content (dried @ 103°C)								
		0.1	%	20.5	26.5	23.2	19.2	27.1



Page Number : 12 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit					
EA002: pH Value	—	0.1	03-AUG-2015 10:40	pH Unit	11.3	11.3	11.4	11.3	11.3
EA066: Moisture Content (dried @ 103°C)	—	0.1	03-AUG-2015 15:35	%	26.9	24.8	22.0	23.0	24.6
EA066: Physical and Aggregate Properties EA002: pH Value EA066: Moisture Content (dried @ 103°C)									



Page Number : 13 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
			Client sampling date / time	Unit					
EA002: pH Value	—	0.1	04-AUG-2015 12:50	HK1528133-051	11.2	10.7	10.7	10.5	10.9
EA055: Moisture Content (dried @ 103°C)	—	0.1	04-AUG-2015 13:25	HK1528133-052	21.2	22.7	28.5	20.2	23.9
			04-AUG-2015 15:00	HK1528133-053					
			04-AUG-2015 18:00	HK1528133-054					
			04-AUG-2015 09:25	HK1528133-055					

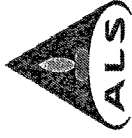
EA/ED: Physical and Aggregate Properties



Page Number : 14 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF
		Unit				
			04-AUG-2015 11:25	04-AUG-2015 12:30	04-AUG-2015 12:45	04-AUG-2015 13:40
			HK1528133-056	HK1528133-057	HK1528133-058	HK1528133-059
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	--	0.1	pH Unit	10.9	11.0	11.0
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	26.1	24.7	23.0



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			01-AUG-2015 12:00	01-AUG-2015 12:00						
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	<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	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
						1	1	1	1	1

Client sample ID

HK1528133-001

HK1528133-002

HK1528133-003

HK1528133-004

HK1528133-005



Page Number : 16 of 30
 Client : VW-VES(HK) LTD
 Work Order : HK1528133

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	Client sample ID					
			RESIDUE AF	RESIDUE AF		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Arsenic	7440-38-2	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Barium	7440-38-3	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Beryllium	7440-41-7	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Cadmium	7440-43-9	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Chromium	7440-47-3	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Copper	7440-50-8	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Lead	7439-92-1	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Mercury	7439-97-6	0.2	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<0.2
EG020: Nickel	7440-02-0	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Selenium	7782-49-2	0.2	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<0.2
EG020: Silver	7440-22-4	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Thallium	7440-28-0	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Tin	7440-31-5	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Vanadium	7440-62-2	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
EG020: Zinc	7440-66-6	1	01-AUG-2015 12:00	01-AUG-2015 12:00	mg/kg	HK1528133-006	HK1528133-007	HK1528133-008	HK1528133-009	HK1528133-010	<1
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
			1	1		1	1	1	1	1	1



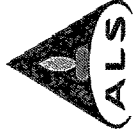
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time	Unit	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF	RESIDUE BF
						01-AUG-2015 12:00	01-AUG-2015 12:00	01-AUG-2015 12:00	01-AUG-2015 12:00	01-AUG-2015 12:00
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	7440-36-3	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	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	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
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	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID				Residue AE
			Client sampling date / time	ASH AF	ASH AF	ASH AF	
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1
EG020: Arsenic	7440-35-2	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	7440-65-6	1	mg/kg	2	1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
				1	1	2	1

E-TCLP: Extraction Fluid Number



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sample ID	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	<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	2	2	2	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			02-AUG-2015 12:00	02-AUG-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	7440-43-9	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	7440-66-8	1			mg/kg	2	2	2	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
						2	2	2	2

E-TCLP: Extraction Fluid Number



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	ASH AF	ASH AF	ASH AF	RESIDUE BF
			Client sample ID	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	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	2

E-TCLP: Extraction Fluid Number



Sub-Matrix: TCLP LEACHATE

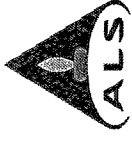
Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE AF					
			Client sample ID	Unit										
EG: Metals and Major Cations - Filtered														
EG020: Antimony	7440-38-0	1	ng/kg	<1	03-AUG-2015 12:00	HK1528133-041	03-AUG-2015 12:00	HK1528133-042	03-AUG-2015 12:00	HK1528133-043	03-AUG-2015 12:00	HK1528133-044	03-AUG-2015 12:00	HK1528133-045
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-38-3	1	mg/kg	<1	<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	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<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	<1
EG020: Copper	7440-50-8	1	mg/kg	1	1	1	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	<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	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<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	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<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	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<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	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	2	2	2	2	2	2	2	2	2	<1
Sample Preparation Method														
E-TCLP: Extraction Fluid Number										2	2	2	2	1



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 Client : VW-VES(HK) LTD
 Work Order : HK1528133

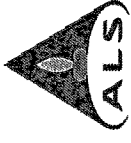
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-35-0	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-38-3	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Lead	7439-82-1	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Mercury	7439-87-6	0.2	ng/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	ng/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	ng/kg	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-8	1	ng/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				1	1	1	1	2	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
			Client sampling date / time	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		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	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	2	2	1	2



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	Unit				
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	04-AUG-2015 12:00	HK1528133-056	04-AUG-2015 12:00	HK1528133-057	04-AUG-2015 12:00
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	1	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				2	2	2	2	2



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report			
				LOR	Unit	Original Result	Duplicate Result
EA/ED: Physical and Aggregate Properties (QC Lot: 3995712)							
HK1528133-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	—	%	15.4	15.3	0.0
HK1528133-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	%	28.9	28.6	1.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3995713)							
HK1528133-021	ASH AF	EA055: Moisture Content (dried @ 103°C)	—	%	16.8	16.4	2.5
HK1528133-031	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	—	%	29.2	29.0	0.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3995714)							
HK1528133-041	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	—	%	20.5	20.7	0.7
HK1528133-051	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	%	21.2	21.6	1.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3995716)							
HK1528133-001	ASH AF	EA002: pH Value	—	pH Unit	10.2	10.2	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3995717)							
HK1528133-021	ASH AF	EA002: pH Value	—	pH Unit	10.4	10.4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3995718)							
HK1528133-041	RESIDUE BF	EA002: pH Value	—	pH Unit	10.8	10.8	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 (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3996389)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	86.8	76	118	76	118	—	—
EG020: Arsenic	7440-36-2	1	mg/L	<1	1 mg/L	88.4	72	124	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	91.2	80	120	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	85.3	74	122	74	122	—	—
EG020: Cadmium	7440-43-8	0.1	mg/L	<0.1	1 mg/L	97.0	79	117	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	92.4	78	120	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	85.4	78	118	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	91.3	79	115	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.8	76	120	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	88.2	78	120	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	107	81	119	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	91.8	76	114	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	92.4	81	113	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	86.7	79	119	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	88.5	78	124	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	81.2	70	130	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 3996390)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	91.9	76	118	76	118	—	—
EG020: Arsenic	7440-36-2	1	mg/L	<1	1 mg/L	111	72	124	72	124	—	—

Method: 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 Low	Recovery High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3996390) - Continued												
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	118	---	80	120	---	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	112	---	74	122	---	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	102	---	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	105	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	98.0	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	88.8	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	108	---	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	85.0	---	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	92.0	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	110	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	102	---	70	130	---	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3996391)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	94.8	---	76	118	---	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	104	---	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	102	---	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	94.9	---	78	120	---	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.4	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	90.0	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	88.3	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	104	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	87.8	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.4	---	81	113	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	94.8	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.3	---	70	130	---	---	---

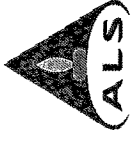
Matrix: WATER



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 (%)			
				Value	High	Low	High	Low	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 3996389)											
HK1528133-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	90.2	---	75	125	---	---	
		EG020: Arsenic	7440-38-2	1 mg/L	95.5	---	75	125	---	---	
		EG020: Barium	7440-39-3	1 mg/L	98.6	---	75	125	---	---	
		EG020: Beryllium	7440-41-7	1 mg/L	95.2	---	75	125	---	---	
		EG020: Cadmium	7440-43-8	1 mg/L	105	---	75	125	---	---	
		EG020: Chromium	7440-47-3	1 mg/L	87.1	---	75	125	---	---	
		EG020: Copper	7440-50-8	1 mg/L	83.3	---	75	125	---	---	
		EG020: Lead	7439-92-1	1 mg/L	86.2	---	75	125	---	---	
		EG020: Mercury	7439-97-6	0.02 mg/L	82.9	---	75	125	---	---	
		EG020: Nickel	7440-02-0	1 mg/L	93.3	---	75	125	---	---	
		EG020: Selenium	7782-49-2	1 mg/L	111	---	75	125	---	---	
		EG020: Silver	7440-22-4	1 mg/L	82.7	---	75	125	---	---	
		EG020: Thallium	7440-28-0	1 mg/L	86.0	---	75	125	---	---	
		EG020: Tin	7440-31-5	1 mg/L	90.1	---	75	125	---	---	
		EG020: Vanadium	7440-62-2	1 mg/L	93.0	---	75	125	---	---	
		EG020: Zinc	7440-66-6	1 mg/L	82.5	---	75	125	---	---	
EG: Metals and Major Cations - Filtered (QC Lot: 3996390)											
HK1528133-021	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	95.2	---	75	125	---	---	
		EG020: Arsenic	7440-38-2	1 mg/L	90.7	---	75	125	---	---	
		EG020: Barium	7440-39-3	1 mg/L	98.3	---	75	125	---	---	
		EG020: Beryllium	7440-41-7	1 mg/L	92.5	---	75	125	---	---	
		EG020: Cadmium	7440-43-8	1 mg/L	102	---	75	125	---	---	
		EG020: Chromium	7440-47-3	1 mg/L	84.0	---	75	125	---	---	
		EG020: Copper	7440-50-8	1 mg/L	81.4	---	75	125	---	---	
		EG020: Lead	7439-92-1	1 mg/L	81.4	---	75	125	---	---	
		EG020: Mercury	7439-97-6	0.02 mg/L	83.2	---	75	125	---	---	
		EG020: Nickel	7440-02-0	1 mg/L	87.8	---	75	125	---	---	
		EG020: Selenium	7782-49-2	1 mg/L	114	---	75	125	---	---	
		EG020: Silver	7440-22-4	1 mg/L	82.6	---	75	125	---	---	
		EG020: Thallium	7440-28-0	1 mg/L	84.8	---	75	125	---	---	
		EG020: Tin	7440-31-5	1 mg/L	94.4	---	75	125	---	---	
		EG020: Vanadium	7440-62-2	1 mg/L	91.0	---	75	125	---	---	
		EG020: Zinc	7440-66-6	1 mg/L	75.5	---	75	125	---	---	
EG: Metals and Major Cations - Filtered (QC Lot: 3996391)											
HK1528133-041	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	102	---	75	125	---	---	
		EG020: Arsenic	7440-38-2	1 mg/L	101	---	75	125	---	---	
		EG020: Barium	7440-39-3	1 mg/L	112	---	75	125	---	---	
		EG020: Beryllium	7440-41-7	1 mg/L	101	---	75	125	---	---	



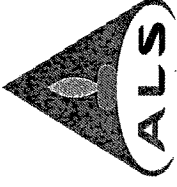
Matrix: WATER

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration		Spike Recovery (%)		Recovery Limits (%)		RPD (%)		
				MS	MSD	Low	High	Value	Control Limit			
EG: Metals and Major Cations - Filtered (QC Lot: 3996391) - Continued												
HK1528133-041	RESIDUE BF	EG020: Cadmium	7440-43-9	1 mg/L	113	75	125	75	125	75	125	
		EG020: Chromium	7440-47-3	1 mg/L	92.0	75	125	75	125	75	125	
		EG020: Copper	7440-50-8	1 mg/L	85.7	75	125	75	125	75	125	
		EG020: Lead	7439-92-1	1 mg/L	86.6	75	125	75	125	75	125	
		EG020: Mercury	7439-97-6	0.02 mg/L	85.3	75	125	75	125	75	125	
		EG020: Nickel	7440-02-0	1 mg/L	95.8	75	125	75	125	75	125	
		EG020: Selenium	7782-49-2	1 mg/L	123	75	125	75	125	75	125	
		EG020: Silver	7440-22-4	1 mg/L	86.0	75	125	75	125	75	125	
		EG020: Thallium	7440-28-0	1 mg/L	79.8	75	125	75	125	75	125	
		EG020: Tin	7440-31-5	1 mg/L	92.7	75	125	75	125	75	125	
		EG020: Vanadium	7440-62-2	1 mg/L	100	75	125	75	125	75	125	
		EG020: Zinc	7440-66-6	1 mg/L	82.0	75	125	75	125	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**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project :
Order number :
C-O-C number :
Site :

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number :
Date Samples Received : **05-AUG-2015**
Issue Date : **07-AUG-2015**
No. of samples received : **5**
No. of samples analysed : **5**

Page : 1 of 7

Work Order : **HK1528134**

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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 563, Section 6.

Signatories

Fung Lim Chee, Richard

Position

Authorised results for

Inorganics



Page Number : 2 of 7
Client : VW-VES(HK) LTD
Work Order : HK1528134

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:

06-AUG-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: **HK1528134**

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 7
 Client : VW-VES(HK) LTD
 Work Order : HK1528134

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	Client sampling date / time		Client sample ID	
		LOR	Unit	ASH BE	RESIDUE BE
EA002: pH Value	---	0.1	pH Unit	02-AUG-2015 17:10	02-AUG-2015 17:40
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	HK1528134-001	HK1528134-002
				10.1	9.8
				10.5	10.3
				10.8	10.8
				19.5	27.6
				10.8	10.8
				[04-AUG-2015]	04-AUG-2015 08:00
				HK1528134-003	HK1528134-004
					04-AUG-2015 14:50
					HK1528134-005



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	Client sample ID						
			ASH BE	ASH BE		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE			
EG: Metals and Major Cations - Filtered												
EG020: Antimony	7440-38-0	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Arsenic	7440-38-2	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Barium	7440-39-3	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Beryllium	7440-41-7	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Cadmium	7440-43-8	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Chromium	7440-47-3	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Copper	7440-50-8	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Lead	7439-92-1	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Mercury	7439-97-6	0.2	<0.2	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Nickel	7440-02-0	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Selenium	7782-49-2	0.2	<0.2	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Silver	7440-22-4	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Thallium	7440-28-0	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Tin	7440-31-5	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Vanadium	7440-62-2	1	<1	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
EG020: Zinc	7440-66-8	1	2	02-AUG-2015 12:00	ng/kg	HK1528134-001	02-AUG-2015 12:00	HK1528134-002	[04-AUG-2015]	HK1528134-003	04-AUG-2015 12:00	HK1528134-005
Sample Preparation Method												
E-TCLP: Extraction Fluid Number												
			1			1		1		2		2



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report			
Laboratory sample ID	Client sample ID	Method: Compound	LOR	Unit	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3995714)					
HK1528133-041	Anonymous	EA055: Moisture Content (dried @ 103°C)	0.1	%	0.7
HK1528133-051	Anonymous	EA055: Moisture Content (dried @ 103°C)	0.1	%	1.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3995715)					
HK1528134-002	ASH BE	EA055: Moisture Content (dried @ 103°C)	0.1	%	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3995718)					
HK1528133-041	Anonymous	EA002: pH Value	0.1	pH Unit	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3995719)					
HK1528134-002	ASH BE	EA002: pH Value	0.1	pH Unit	1.3

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: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	RPD (%)
						Low	High	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 3996391)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	94.8	118	—	76	118
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	104	124	—	72	124
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	108	120	—	80	120
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	102	122	—	74	122
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	103	117	—	79	117
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	94.9	120	—	78	120
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.4	118	—	78	118
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	90.0	115	—	79	115
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	88.3	120	—	76	120
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101	120	—	78	120
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	104	119	—	81	119
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	87.8	114	—	76	114
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.4	113	—	81	113
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	94.8	119	—	79	119
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	124	—	78	124
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.3	130	—	70	130
EG: Metals and Major Cations - Filtered (QC Lot: 3996392)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.2	118	—	76	118
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	103	124	—	72	124
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	108	120	—	80	120
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	106	122	—	74	122
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	102	117	—	79	117
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	93.6	120	—	78	120
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.2	118	—	78	118
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	89.7	115	—	79	115



Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (DCS) Report										
Matrix	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Low	Recovery High	Value	RPD (%)	Control Limit
Method: Compound												
EG: Metals and Major Cations - Filtered (QC Lot: 3996392) - Continued												
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	86.2	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.1	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	83.7	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.9	---	81	113	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	91.7	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	99.6	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	93.6	---	70	130	---	---	---

Matrix: WATER



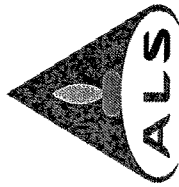
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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: 3996391)									
HK1528133-041	Anonymous	EG020: Antimony	7440-36-0	1 mg/L	102	75	125	—	—
		EG020: Arsenic	7440-38-2	1 mg/L	101	75	125	—	—
		EG020: Barium	7440-39-3	1 mg/L	112	75	125	—	—
		EG020: Beryllium	7440-41-7	1 mg/L	101	75	125	—	—
		EG020: Cadmium	7440-43-9	1 mg/L	113	75	125	—	—
		EG020: Chromium	7440-47-3	1 mg/L	92.0	75	125	—	—
		EG020: Copper	7440-50-8	1 mg/L	85.7	75	125	—	—
		EG020: Lead	7439-92-1	1 mg/L	86.6	75	125	—	—
		EG020: Mercury	7439-97-6	0.02 mg/L	85.3	75	125	—	—
		EG020: Nickel	7440-02-0	1 mg/L	95.8	75	125	—	—
		EG020: Selenium	7782-49-2	1 mg/L	123	75	125	—	—
		EG020: Silver	7440-22-4	1 mg/L	86.0	75	125	—	—
		EG020: Thallium	7440-28-0	1 mg/L	79.8	75	125	—	—
		EG020: Tin	7440-31-5	1 mg/L	92.7	75	125	—	—
		EG020: Vanadium	7440-62-2	1 mg/L	100	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L	82.0	75	125	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 3996392)									
HK1528134-002	ASH BE	EG020: Antimony	7440-36-0	1 mg/L	102	75	125	—	—
		EG020: Arsenic	7440-38-2	1 mg/L	102	75	125	—	—
		EG020: Barium	7440-39-3	1 mg/L	109	75	125	—	—
		EG020: Beryllium	7440-41-7	1 mg/L	103	75	125	—	—
		EG020: Cadmium	7440-43-9	1 mg/L	116	75	125	—	—
		EG020: Chromium	7440-47-3	1 mg/L	92.1	75	125	—	—
		EG020: Copper	7440-50-8	1 mg/L	92.6	75	125	—	—
		EG020: Lead	7439-92-1	1 mg/L	90.3	75	125	—	—
		EG020: Mercury	7439-97-6	0.02 mg/L	85.6	75	125	—	—
		EG020: Nickel	7440-02-0	1 mg/L	97.5	75	125	—	—
		EG020: Selenium	7782-49-2	1 mg/L	114	75	125	—	—
		EG020: Silver	7440-22-4	1 mg/L	90.0	75	125	—	—
		EG020: Thallium	7440-28-0	1 mg/L	91.0	75	125	—	—
		EG020: Tin	7440-31-5	1 mg/L	101	75	125	—	—
		EG020: Vanadium	7440-62-2	1 mg/L	99.9	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L	92.7	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**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project : *********
Order number : *********
C-O-C number : *********
Site : *********

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : *********
Date Samples Received : **07-AUG-2015**
Issue Date : **12-AUG-2015**
No. of samples received : **33**
No. of samples analysed : **33**

Page : 1 of 19

Work Order : HK1528705

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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 19
Client : VW-VES(HK) LTD
Work Order : HK1528705

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: 10-AUG-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: **HK1528705**

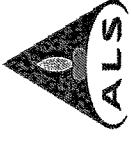
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 - 4.99. Extraction Fluid #2, pH 2.63 - 2.93.



Analytical Results

Sub-Matrix: SOLID

Client sample ID

Client sampling date / time

LOR

Unit

CAS Number

Compound

Compound	CAS Number	LOR	Unit	Client sampling date / time	Client sample ID	ASH AF	ASH AF	ASH AF	ASH AF	RESIDUE AF
EA002: pH Value	---	0.1	pH Unit	05-AUG-2015 11:45	05-AUG-2015 12:00	9.7	10.4	10.4	10.3	10.6
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	05-AUG-2015 11:45	05-AUG-2015 12:25	17.2	19.4	19.8	20.9	24.9
				05-AUG-2015 12:45	05-AUG-2015 12:45					
						HK1528705-001	HK1528705-002	HK1528705-003	HK1528705-004	HK1528705-005



Page Number : 4 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Compound	CAS Number	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
		LOR	Unit					
				05-AUG-2015 09:20	05-AUG-2015 10:00	05-AUG-2015 10:30	05-AUG-2015 10:55	05-AUG-2015 13:45
				HK1528705-006	HK1528705-007	HK1528705-008	HK1528705-009	HK1528705-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	pH Unit	10.9	10.7	10.6	10.6	10.6
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	25.4	24.2	27.8	25.6	24.0

Sub-Matrix: SOLID



Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit					
EA002: pH Value	—	0.1	05-AUG-2015 14:15	pH Unit	10.8	10.9	10.8	10.9	11.2
EA065: Moisture Content (dried @ 103°C)	—	0.1	05-AUG-2015 14:45	%	28.6	29.2	28.7	29.3	26.6
Sub-Matrix: SOLID EA/ED: Physical and Aggregate Properties									



Page Number : 6 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	05-AUG-2015 07:45	HK1528705-016	05-AUG-2015 09:00	05-AUG-2015 09:45	05-AUG-2015 10:25	05-AUG-2015 11:10	11.0
EA055: Moisture Content (dried @ 103°C)	---	0.1			HK1528705-017	HK1528705-018	HK1528705-019	HK1528705-020	10.9
									20.8
									10.9
									25.9
									10.9
									23.9
									10.8
									17.9

EA002: Physical and Aggregate Properties

EA002: pH Value

EA055: Moisture Content (dried @

103°C)



Page Number : 7 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Compound	CAS Number	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE AE
		LOR	Unit					
EA/ED: Physical and Aggregate Properties				HK1528705-021	HK1528705-022	HK1528705-023	HK1528705-024	HK1528705-025
EA002: pH Value	--	0.1	pH Unit	10.9	10.9	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	24.2	17.6	27.7	28.1	26.2

Sub-Matrix: SOLID



Page Number : 8 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

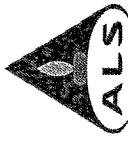
Compound	CAS Number	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF
		LOF	Unit					
				06-AUG-2015 14:20	06-AUG-2015 15:05	06-AUG-2015 10:35	06-AUG-2015 11:10	06-AUG-2015 09:05
				HK1528705-026	HK1528705-027	HK1528705-028	HK1528705-029	HK1528706-030
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	11.3	11.1	10.7	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.0	26.3	28.6	26.9	27.0

Sub-Matrix: SOLID



Page Number : 9 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Compound	CAS Number	Client sample ID	
		Client sampling date / time	Unit
		RESIDUE AF	ASH AF
		06-AUG-2015 10:00	06-AUG-2015 15:40
		HK1528705-031	HK1528705-033
EA/ED: Physical and Aggregate Properties			
EA002: pH Value	---	10.9	10.8
		pH Unit	
EA055: Moisture Content (dried @ 103°C)	---	27.6	25.6
		%	
		10.5	22.2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sampling date / time		LOR	Unit	Client sample ID				RESIDUE AF
		05-AUG-2015 12:00	05-AUG-2015 12:00			ASH AF	ASH AF	ASH AF	ASH AF	
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg		<1	05-AUG-2015 12:00 HK1528705-001	05-AUG-2015 12:00 HK1528705-002	05-AUG-2015 12:00 HK1528705-003	05-AUG-2015 12:00 HK1528705-004	05-AUG-2015 12:00 HK1528705-005
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	7440-43-8	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	1	1	1



Sub-Matrix: TCLP LEACHATE

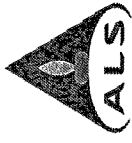
Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	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 Number									
				1	2	1	1	1	2



Page Number : 12 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Sub-Matrix: TCLP LEACHATE

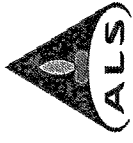
Compound	CAS Number	LOR	Client sampling date / time		Unit	Client sample ID				
			RESIDUE AF	RESIDUE AF		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-015
EG020: Arsenic	7440-38-2	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-014
EG020: Barium	7440-39-3	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-013
EG020: Beryllium	7440-41-7	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-012
EG020: Cadmium	7440-43-9	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Chromium	7440-47-3	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Copper	7440-50-8	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Lead	7439-92-1	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Nickel	7440-02-0	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Silver	7440-22-4	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Thallium	7440-28-0	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Tin	7440-31-5	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Vanadium	7440-62-2	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
EG020: Zinc	7440-66-6	1	<1	<1	mg/kg	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	HK1528705-011
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
			1	1		1	1	1	1	1



Page Number : 13 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1528705

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	
			Unit	Unit						
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Arsenic	7440-38-2	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Barium	7440-39-3	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Beryllium	7440-41-7	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Cadmium	7440-43-8	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Chromium	7440-47-3	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Copper	7440-50-8	1	mg/kg	1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Lead	7439-92-1	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Nickel	7440-02-0	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Silver	7440-22-4	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Thallium	7440-28-0	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Tin	7440-31-5	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Vanadium	7440-62-2	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
EG020: Zinc	7440-66-6	1	mg/kg	<1	05-AUG-2015 12:00	HK1528705-016	05-AUG-2015 12:00	HK1528705-018	05-AUG-2015 12:00	HK1528705-020
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
				2		2		2		2



Sub-Matrix: TCLP LEACHATE		Client sample ID				RESIDUE AE	
Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF		
			RESIDUE BF	RESIDUE BF	RESIDUE BF		
			05-AUG-2015 12:00	05-AUG-2015 12:00	05-AUG-2015 12:00	06-AUG-2015 12:00	
		Unit	HK1528705-021	HK1528705-022	HK1528705-023	HK1528705-024	
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	ng/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	2	2	2	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	7762-49-2	0.2	mg/kg	0.3	0.3	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							
				2	2	2	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time				Unit	
			RESIDUE AE 06-AUG-2015 12:00 HK1528705-026	RESIDUE AE 06-AUG-2015 12:00 HK1528705-027	RESIDUE AF 06-AUG-2015 12:00 HK1528705-028	RESIDUE AF 06-AUG-2015 12:00 HK1528705-029		RESIDUE AF 06-AUG-2015 12:00 HK1528705-030
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	2	2	<1	<1	<1	<1
EG020: Lead	7439-92-1	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
EG020: Nickel	7440-02-0	1	<1	<1	<1	<1	<1	<1
EG020: Selenium	7762-49-2	0.2	0.3	<0.2	0.2	0.2	0.2	0.2
EG020: Silver	7440-22-4	1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	1	2	<1	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
			2	2	1	1	1	1



Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time			
Compound	CAS Number	LOR	Unit	RESIDUE AF	RESIDUE AF	RESIDUE AF	ASH AF
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	2	<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	0.3	<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							
				2	1	1	1



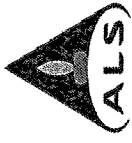
Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report					
			CAS Number	LOR	Unit	RPD (%)		
EAJED: Physical and Aggregate Properties (QC Lot: 3997353)								
HK1528705-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	17.2	17.5	1.3
HK1528705-011	RESIDUE AF	EA056: Moisture Content (dried @ 103°C)	---	0.1	%	28.6	28.2	1.2
EAJED: Physical and Aggregate Properties (QC Lot: 3997354)								
HK1528705-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.2	24.0	1.0
HK1528705-031	RESIDUE AF	EA056: Moisture Content (dried @ 103°C)	---	0.1	%	27.6	27.7	0.4
EAJED: Physical and Aggregate Properties (QC Lot: 3997357)								
HK1528705-001	ASH AF	EA002: pH Value	---	0.1	pH Unit	9.7	9.8	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 3997358)								
HK1528705-021	RESIDUE BF	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	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit	
Method Blank (MB) Report											
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	104	---	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	106	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101	---	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	102	---	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	92.9	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	---	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	96.4	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	101	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	106	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	107	---	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: 3997718)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	110	---	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	95.9	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	107	---	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	109	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	108	---	78	118	---	---

Matrix: WATER



Page Number : 18 of 19
 Client : VN-VES(HK) LTD
 Work Order : HK1528705

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 Recovery (%)		Recovery Limits (%)		Value	Control Limit	RPD (%)
					LCS	DCS	Low	High			
EG: Metals and Major Cations - Filtered (QC Lot: 3997718) - Continued											
EG020: Lead	7439-92-1	1	mg/L	<1	102	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	95.7	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	101	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	105	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	102	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	108	---	81	113	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	109	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	102	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	105	---	70	130	---	---	---



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

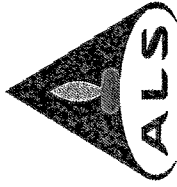
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 3997717)									
HK1528705-001	ASHAF	EG020: Antimony	7440-36-0	1 mg/L	98.6	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	102	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	101	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	109	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	101	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	100	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	97.3	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	105	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	94.5	---	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	107	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	105	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	106	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	107	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	89.0	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 3997718)									
HK1528705-021	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	103	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	107	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	108	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	105	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	107	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	100	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	101	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	123	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	101	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	113	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	101	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	100	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	106	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	106	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	102	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	99.4	---	75	125	---

Matrix: WATER

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 11
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1528708
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 07-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 12-AUG-2015
Project	: *****	Quote number	: *****	No. of samples received	: 13
Order number	: *****			No. of samples analysed	: 13
C-O-C number	: *****				
Site	: *****				

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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

Position

Fung Lim Chee, Richard

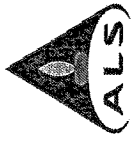
General Manager

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 11
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1528708

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:

10-AUG-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: **HK1528708**

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 : 5 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1528708

Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	Unit
			ASH BE	ASH BE
			06-AUG-2015 17:30	06-AUG-2015 17:50
			HK1528708-011	HK1528708-013
EA/ED: Physical and Aggregate Properties				
EA002: pH Value	---	0.1	pH Unit	9.6
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	12.0
			9.4	10.7

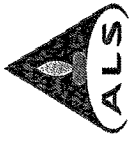


Page Number : 6 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1528708

Compound	CAS Number	LOR	Client sampling date / time		ASH BE	ASH BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sample ID	Unit					
Sub-Matrix: TCLP LEACHATE									
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	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	0.3	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	2	2	2



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Unit	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	06-AUG-2015 12:00	HK1528708-006	HK1528708-007	HK1528708-008	HK1528708-009	HK1528708-010
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 Number									
				2	2	2	2	2	2



Page Number : 8 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1528708

Sub-Matrix: TCLP LEACHATE		Client sampling date / time			Client sample ID		
Compound	CAS Number	LOR	Unit	ASH BE 06-AUG-2015 12:00 HK1528708-011	ASH BE 06-AUG-2015 12:00 HK1528708-012	ASH BE 06-AUG-2015 12:00 HK1528708-013	
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	<1	<1	1	
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	7440-31-5	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	<1	2	
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
				1	1	1	



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				RPD (%)
				LOR	Unit	Original Result	Duplicate Result	
EAJED: Physical and Aggregate Properties (QC Lot: 3997354)								
HK1528705-021	Anonymous	EA056: Moisture Content (dried @ 103°C)	—	%	24.2	24.0	1.0	
HK1528705-031	Anonymous	EA056: Moisture Content (dried @ 103°C)	—	%	27.6	27.7	0.4	
EAJED: Physical and Aggregate Properties (QC Lot: 3997355)								
HK1528708-008	RESIDUE BE	EA056: Moisture Content (dried @ 103°C)	—	%	27.6	27.7	0.0	
EAJED: Physical and Aggregate Properties (QC Lot: 3997358)								
HK1528705-021	Anonymous	EA002: pH Value	—	pH Unit	10.9	10.9	0.0	
EAJED: Physical and Aggregate Properties (QC Lot: 3997359)								
HK1528708-008	RESIDUE BE	EA002: pH Value	—	pH Unit	10.9	10.8	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
EG: Metals and Major Cations - Filtered (QC Lot: 3997718)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	110	76	118	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	108	72	124	72	124	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.9	80	120	80	120	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	107	74	122	74	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	104	79	117	79	117	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	109	78	120	78	120	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	108	78	118	78	118	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	102	79	115	79	115	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	95.7	76	120	76	120	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101	78	120	78	120	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	105	81	119	81	119	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	102	76	114	76	114	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	108	81	113	81	113	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	109	79	119	79	119	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	78	124	78	124	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	105	70	130	70	130	—	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 3997719)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	103	76	118	76	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	94.0	80	120	80	120	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	103	74	122	74	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101	79	117	79	117	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	108	78	120	78	120	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	103	78	118	78	118	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	109	79	115	79	115	—	—	—



Page Number : 10 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1528708

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (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: 3997719) - Continued															
EG020: Mercury		7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	90.7	---	---	76	120	---	---	---	---
EG020: Nickel		7440-02-0	1	mg/L	<1	1 mg/L	106	---	---	78	120	---	---	---	---
EG020: Selenium		7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	---	---	81	119	---	---	---	---
EG020: Silver		7440-22-4	1	mg/L	<1	1 mg/L	109	---	---	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	101	---	---	79	119	---	---	---	---
EG020: Vanadium		7440-62-2	1	mg/L	<1	1 mg/L	100	---	---	78	124	---	---	---	---
EG020: Zinc		7440-66-6	1	mg/L	<1	1 mg/L	100	---	---	70	130	---	---	---	---

Matrix: WATER



Page Number : 11 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1528708

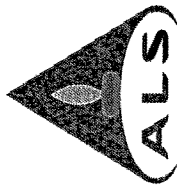
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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 (%)	
				Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 3997718)									
HK1528705-021	Anonymous	EG020: Antimony	7440-38-0	1 mg/L	103	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	107	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	108	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	105	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	107	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	100	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	101	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	123	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	101	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	113	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	101	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	100	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	106	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	106	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	102	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	99.4	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 3997719)									
HK1528706-008	RESIDUE BE	EG020: Antimony	7440-38-0	1 mg/L	102	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	106	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	91.2	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	108	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	101	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	105	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	103	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	87.4	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	101	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	100	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	102	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	106	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	101	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	102	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	108	---	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**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project : **----**
Order number : **----**
C-O-C number : **----**
Site : **----**

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 -3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : **----**

Date Samples Received : **10-AUG-2015**
Issue Date : **14-AUG-2015**
No. of samples received : **50**
No. of samples analysed : **50**

Page : **1 of 26**

Work Order : **HK1529094**

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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

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 26
Client : VW-VES(HK) LTD
Work Order : HK1529094

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-AUG-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: **HK1529094**

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 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	Client sampling date / time		Client sample ID			
		LOR	Unit				
EA002: pH Value	---	0.1	pH Unit	9.6			
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	17.0			
EA/ED: Physical and Aggregate Properties							
				10.2	10.0	10.2	10.0
				21.1	20.4	16.0	21.5
				07-AUG-2015 16:20	07-AUG-2015 17:00	07-AUG-2015 18:00	08-AUG-2015 14:00
				HK1529094-002	HK1529094-003	HK1529094-004	HK1529094-005



Page Number : 4 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Compound	CAS Number	Client sampling date / time		Client sample ID				
		LOF	Unit	ASH AF	ASH AF			
EA002: pH Value	---	0.1	pH Unit	08-AUG-2015 14:20 HK1529094-006	08-AUG-2015 15:00 HK1529094-007	08-AUG-2015 15:30 HK1529094-008	08-AUG-2015 17:40 HK1529094-009	08-AUG-2015 12:35 HK1529094-010
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	10.0	9.8	9.8	9.6	9.9
				18.2	17.8	18.7	17.4	25.0

EA/ED: Physical and Aggregate Properties



Page Number : 5 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

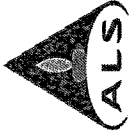
Compound	CAS Number	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
		LOR	Unit					
Sub-Matrix: SOLID								
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	11.2	11.2	11.0	11.2	11.0
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	23.8	24.2	24.3	24.8	26.8



Page Number : 6 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: SOLID		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
Compound	CAS Number	LOF	Client sampling date / time	Unit	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
EA002: pH Value	---	0.1	07-AUG-2015 12:00	pH Unit	10.8	10.8	11.0	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	07-AUG-2015 14:13	%	27.7	26.6	28.9	27.0
			07-AUG-2015 14:20		10.8	26.6	28.9	10.7
			07-AUG-2015 15:00		10.8	26.6	28.9	10.7
			07-AUG-2015 15:00		10.8	26.6	28.9	10.7

EA/ED: Physical and Aggregate Properties

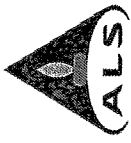


Page Number : 8 of 26
 Client : VM-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: SOLID

Compound	CAS Number	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
		LOR	Unit					
EA002: pH Value	—	0.1	pH Unit	08-AUG-2015 11:20	08-AUG-2015 13:00	08-AUG-2015 13:20	09-AUG-2015 15:30	07-AUG-2015 19:15
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	HK1529094-026	HK1529094-027	HK1529094-028	HK1529094-029	HK1529094-030
				10.8	10.8	10.7	10.6	10.9
				24.8	27.4	25.8	27.6	23.1

EA/ED: Physical and Aggregate Properties



Page Number : 9 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: SOLID

Compound	CAS Number	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
		LOR	Unit					
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	pH Unit	10.9	10.8	10.8	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	17.0	28.5	21.7	9.7	24.8



Page Number : 10 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Compound	CAS Number	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
		LOR	Unit				
				08-AUG-2015 08:45	08-AUG-2015 10:00	08-AUG-2015 11:30	08-AUG-2015 14:30
				HK1529094-036	HK1529094-037	HK1529094-038	HK1529094-039
				10.9	10.8	10.8	10.8
EA002: pH Value		0.1	pH Unit	28.7	24.0	29.0	30.4
EA055: Moisture Content (dried @ 103°C)		0.1	%				27.4

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Page Number : 11 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Compound	CAS Number	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
		LOF	Unit				
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	---	0.1	pH Unit	10.7	10.7	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	27.5	25.7	23.1	20.6
				10.6	10.7	10.7	10.7
				09-AUG-2015 07:40	09-AUG-2015 08:40	09-AUG-2015 09:50	09-AUG-2015 11:00
				HK1529094-041	HK1529094-043	HK1529094-044	HK1529094-045

Sub-Matrix: SOLID

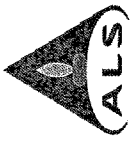


Page Number : 12 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Compound	CAS Number	Client sampling date / time		Client sample ID	
		LOF	Unit	RESIDUE BF	RESIDUE BF
EA002: pH Value	---	0.1	pH Unit	09-AUG-2015 13:20	09-AUG-2015 16:20
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	09-AUG-2015 14:10	09-AUG-2015 17:30
				HK1529094-046	HK1529094-049
				10.6	10.7
				19.5	22.5
				28.9	10.8
				10.6	20.9
				28.9	

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Page Number : 13 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID					
			Client sampling date / time	Unit	ASH AE	ASH AF	ASH AF	ASH AF
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	09-AUG-2015 12:00	mg/kg	HK1529094-001	07-AUG-2015 12:00	07-AUG-2015 12:00	08-AUG-2015 12:00
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	7439-92-1	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	7440-31-5	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 Number								
			1			1	1	1



Page Number : 15 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID				
				RESIDUE AE 07-AUG-2015 12:00 HK1529094-011	RESIDUE AE 07-AUG-2015 12:00 HK1529094-012	RESIDUE AE 07-AUG-2015 12:00 HK1529094-013	RESIDUE AE 07-AUG-2015 12:00 HK1529094-014	RESIDUE AE 07-AUG-2015 12:00 HK1529094-015
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	<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	7440-52-2	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

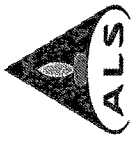


Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE							
			Unit	Unit												
EG: Metals and Major Cations - Filtered																
EG020: Antimony	7440-38-0	1	mg/kg	07-AUG-2015 12:00	HK1529094-016	<1	07-AUG-2015 12:00	HK1529094-017	07-AUG-2015 12:00	HK1529094-018	<1	07-AUG-2015 12:00	HK1529094-019	<1	07-AUG-2015 12:00	HK1529094-020
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			<1					<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						1					1					1



Sub-Matrix: TCPL LEACHATE		Client sample ID		RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
Compound	CAS Number	LOR	Client sampling date / time	Unit	07-AUG-2015 12:00	08-AUG-2015 12:00	08-AUG-2015 12:00	08-AUG-2015 12:00
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-38-0	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								
					2	1	1	1



Page Number : 18 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-86-0	1	mg/kg	08-AUG-2015 12:00	HK1529094-026	08-AUG-2015 12:00	08-AUG-2015 12:00	09-AUG-2015 12:00	07-AUG-2015 12:00
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	7440-80-8	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 : 19 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: TCLP LEACHATE

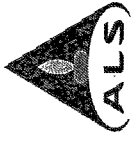
Compound	CAS Number	LOR	Client sample ID				
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF	
			Unit	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	mg/kg	07-AUG-2015 12:00 HK1529094-031	07-AUG-2015 12:00 HK1529094-032	07-AUG-2015 12:00 HK1529094-033	07-AUG-2015 12:00 HK1529094-034
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	2
				1	1	1	1



Page Number : 20 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			08-AUG-2015 12:00	08-AUG-2015 12:00					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	<1	<1	mg/kg	08-AUG-2015 12:00	08-AUG-2015 12:00	08-AUG-2015 12:00	08-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	<1	<1	mg/kg	HK1529094-036	HK1529094-037	HK1529094-038	HK1529094-039
EG020: Barium	7440-39-3	1	<1	<1	mg/kg				
EG020: Beryllium	7440-41-7	1	<1	<1	mg/kg				
EG020: Cadmium	7440-43-8	1	<1	<1	mg/kg				
EG020: Chromium	7440-47-3	1	<1	<1	mg/kg				
EG020: Copper	7440-50-8	1	<1	<1	mg/kg				
EG020: Lead	7439-92-1	1	<1	<1	mg/kg				
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	mg/kg				
EG020: Nickel	7440-02-0	1	<1	<1	mg/kg				
EG020: Selenium	7762-49-2	0.2	<0.2	<0.2	mg/kg				
EG020: Silver	7440-22-4	1	<1	<1	mg/kg				
EG020: Thallium	7440-28-0	1	<1	<1	mg/kg				
EG020: Tin	7440-31-5	1	<1	<1	mg/kg				
EG020: Vanadium	7440-62-2	1	<1	<1	mg/kg				
EG020: Zinc	7440-66-6	1	<1	<1	mg/kg				
Sample Preparation Method									
E-TCLP: Extraction Fluid Number			1	2					2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF					
			Unit	Unit										
EG: Metals and Major Cations - Filtered														
EG020: Antimony	7440-36-0	1	ng/kg	<1	08-AUG-2015 12:00	HK1529094-041	09-AUG-2015 12:00	HK1529094-042	09-AUG-2015 12:00	HK1529094-043	09-AUG-2015 12:00	HK1529094-044	09-AUG-2015 12:00	HK1529094-045
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	7439-82-1	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														
				1		2		1		1		2		1



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	09-AUG-2015 12:00	HK1529094-046	HK1529094-047	HK1529094-048	HK1529094-049	HK1529094-050
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	7440-60-8	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	7440-66-8	1	mg/kg	<1	<1	<1	<1	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				2	1	2	2	2	2

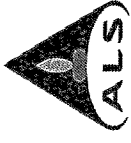


Laboratory Duplicate (DUP) Report

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: 3998401)								
HK1529094-001	ASH AE	EA055: Moisture Content (dried @ 103°C)		0.1	%	17.0	17.0	0.0
HK1529094-011	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)		0.1	%	23.8	23.9	0.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3998402)								
HK1529094-021	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)		0.1	%	27.8	28.2	1.3
HK1529094-031	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)		0.1	%	17.0	17.0	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3998403)								
HK1529094-041	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)		0.1	%	27.5	27.6	0.0
HK1529094-001	Anonymous	EA055: Moisture Content (dried @ 103°C)		0.1	%	9.6	9.9	3.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3998409)								
HK1529094-001	ASH AE	EA002: pH Value		0.1	pH Unit	9.6	9.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3998410)								
HK1529094-021	RESIDUE AE	EA002: pH Value		0.1	pH Unit	10.8	10.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3998411)								
HK1529094-041	RESIDUE BF	EA002: pH Value		0.1	pH Unit	10.7	10.7	0.0

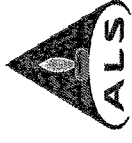
Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3998999)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	103	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	111	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	110	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	98.7	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	108	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	97.4	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	102	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	94.6	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	88.7	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	93.5	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	96.2	---	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	101	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	93.3	---	70	130	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3999000)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	104	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	106	---	72	124	---	---



Matrix: WATER

Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (DCS) Report										
Method/Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Low	Recovery High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3999000) - Continued												
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	119	---	80	120	---	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	104	---	74	122	---	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	107	---	79	117	---	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	107	---	78	120	---	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	105	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	103	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	86.1	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	103	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	101	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	94.8	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	107	---	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	110	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.4	---	70	130	---	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3999001)												
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	112	---	72	124	---	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	116	---	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	102	---	78	120	---	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	104	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	91.2	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101	---	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	92.8	---	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	99.9	---	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	95.9	---	70	130	---	---	---



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 (%)	
				Value	High	Low	High	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 3998999)									
HK1529094-001	ASH AE	EG020: Antimony	7440-36-0	1 mg/L	107	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	116	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	118	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	106	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	117	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	104	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	108	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	101	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	84.1	---	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	92.1	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	103	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	101	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	108	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	108	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 3999000)									
HK1529094-021	RESIDUE AE	EG020: Antimony	7440-36-0	1 mg/L	110	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	108	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	116	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	119	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	111	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	96.8	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	92.8	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	97.9	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	84.0	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	91.7	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	109	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	92.6	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	95.7	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	99.1	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	101	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	89.5	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 3999001)									
HK1529094-041	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	99.4	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	98.4	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	101	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	113	---	75	125	---



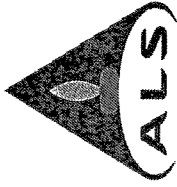
Page Number : 26 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1529094

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)			Recovery Limits (%)			RPD (%)	Control Limit
					MS	MSD	MSD	Low	High	Value		
EG: Metals and Major Cations - Filtered (QC Lot: 3999001) - Continued												
HK1529094-041	RESIDUE BF	EG020: Cadmium	7440-43-9	1 mg/L	98.2	---	---	75	125	---	---	---
		EG020: Chromium	7440-47-3	1 mg/L	88.9	---	---	75	125	---	---	---
		EG020: Copper	7440-50-8	1 mg/L	82.9	---	---	75	125	---	---	---
		EG020: Lead	7439-92-1	1 mg/L	84.4	---	---	75	125	---	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	84.9	---	---	75	125	---	---	---
		EG020: Nickel	7440-02-0	1 mg/L	82.5	---	---	75	125	---	---	---
		EG020: Selenium	7782-49-2	1 mg/L	106	---	---	75	125	---	---	---
		EG020: Silver	7440-22-4	1 mg/L	92.1	---	---	75	125	---	---	---
		EG020: Thallium	7440-28-0	1 mg/L	82.3	---	---	75	125	---	---	---
		EG020: Tin	7440-31-5	1 mg/L	91.3	---	---	75	125	---	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	93.0	---	---	75	125	---	---	---
		EG020: Zinc	7440-66-6	1 mg/L	83.2	---	---	75	125	---	---	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND
JOINT VENTURE
Contact : MS JENNIFER CHAN
Address : ATTENTION TO MS JENNIFER CHAN
P.O. BOX 45,
GENERAL POST OFFICE HONG KONG
E-mail : jennifer.chan@veolia.com
Telephone : +852 2910 9709
Facsimile : +852 2430 8011
Project : ----
Order number : ----
C-O-C number : ----
Site : ----

Laboratory : ALS Technichem (HK) Pty Ltd
Page : 1 of 8
Contact : Fung Lim Chee, Richard
Work Order : HK1529096
Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong
E-mail : Richard.Fung@alsglobal.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : ----
Date Samples Received : 10-AUG-2015
Issue Date : 14-AUG-2015
No. of samples received : 10
No. of samples analysed : 10

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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

Position

Authorised results for

Fung Lim Chee, Richard

General Manager

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 8
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1529096

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-AUG-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: HK1529096

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.



Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOF	Client sampling date / time		Unit	Client sample ID
			ASH BE	ASH BE		
			09-AUG-2015 09:00	09-AUG-2015 11:00		
			HK1529096-001	HK1529096-002		HK1529096-005
EA002: pH Value	---	0.1	9.6	9.5	9.6	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	9.6	15.4	22.2	25.0

EA/ED: Physical and Aggregate Properties

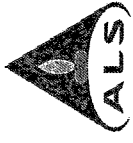


Page Number : 4 of 8
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529096

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	ASH BE	ASH BE	ASH BE
			Client sampling date / time	Unit						
EA002: pH Value	—	0.1	10.9	pH Unit	07-AUG-2015 14:25	HK1529096-006	07-AUG-2015 14:55	07-AUG-2015 16:00	07-AUG-2015 16:45	07-AUG-2015 17:30
EA055: Moisture Content (dried @ 103°C)	—	0.1	23.1	%	07-AUG-2015 14:25	HK1529096-006	07-AUG-2015 14:55	07-AUG-2015 16:00	07-AUG-2015 16:45	07-AUG-2015 17:30
			10.9		10.9	10.9	10.3	9.9	9.9	9.9
			23.1		27.6	27.6	13.4	13.1	13.1	18.0

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



Sub-Matrix: TCLP LEACHATE		Client sample ID				RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	ASH BE	RESIDUE BE
EG: Metals and Major Cations - Filtered						
EG020: Antimony	7440-36-0	1	09-AUG-2015 12:00	mg/kg	HK1529096-001	07-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Barium	7440-39-3	1	09-AUG-2015 12:00	mg/kg	HK1529096-003	HK1529096-005
EG020: Beryllium	7440-41-7	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Cadmium	7440-43-8	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Chromium	7440-47-3	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Copper	7440-50-8	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Lead	7439-92-1	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Mercury	7439-97-6	0.2	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Nickel	7440-02-0	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Selenium	7782-49-2	0.2	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Silver	7440-22-4	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Thallium	7440-28-0	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Tin	7440-31-5	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Vanadium	7440-62-2	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
EG020: Zinc	7440-66-6	1	09-AUG-2015 12:00	mg/kg	HK1529096-002	HK1529096-004
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						



Compound	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	ASH BE	ASH BE	ASH BE
	CAS Number	Client sampling date / time						
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-38-0	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	7440-43-8	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	1	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: 3998403)									
HK1529094-041	Anonymous		EA055: Moisture Content (dried @ 103°C)		0.1	%	27.5	27.6	0.0
HK1529096-001	ASH BE		EA055: Moisture Content (dried @ 103°C)		0.1	%	9.6	9.9	3.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3998411)									
HK1529094-041	Anonymous		EA002: pH Value		0.1	pH Unit	10.7	10.7	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 (%)	Low	High	Value	Control Limit	RPD (%)					
EG: Metals and Major Cations - Filtered (QC Lot: 3999001)																			
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	112				72	124								
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	116				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	102				78	120								
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	104				78	118								
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104				79	115								
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	91.2				76	120								
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101				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	92.8				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	99.9				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	95.9				70	130								



Page Number : 8 of 8
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529096

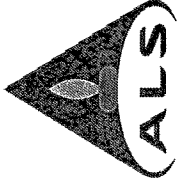
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory Sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report				RPD (%)	Control Limit
				Spike Concentration	MS	MSD	Recovery Limits (%)		
EG: Metals and Major Cations - Filtered (QC Lot: 3999001)				Low	High	Value			
HK1529094-041	Anonymous	EG020: Antimony	7440-36-0	1 mg/L	99.4	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	98.4	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	101	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	113	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	98.2	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	88.9	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	82.9	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	84.4	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	84.9	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	82.5	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	106	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	92.1	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	82.3	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	91.3	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	93.0	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	83.2	---	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**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project : **----**
Order number : **----**
C-O-C number : **----**
Site : **----**

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : **----**

Date Samples Received : **12-AUG-2015**
Issue Date : **14-AUG-2015**
No. of samples received : **34**
No. of samples analysed : **34**

Page : **1 of 19**
Work Order : **HK1529535**

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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.

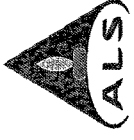
Signatories

Fung Lim Chee, Richard

General Manager

Authorised results for

Inorganics



Page Number : 2 of 19
Client : VW-VES(HK) LTD
Work Order : HK1529535

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-AUG-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: **HK1529535**

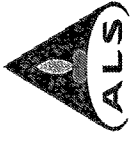
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				10-AUG-2015 12:45	10-AUG-2015 13:15	10-AUG-2015 13:50	10-AUG-2015 14:05	10-AUG-2015 14:45
				HK1529535-001	HK1529535-002	HK1529535-003	HK1529535-004	HK1529535-005
EA002: pH Value	--	0.1	pH Unit	10.9	10.8	10.8	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	29.1	24.2	26.6	29.0	28.4



Page Number : 5 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

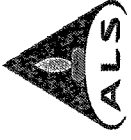
Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	10.8	10.8	10-AUG-2015 08:15	10-AUG-2015 09:00	10-AUG-2015 09:10	10-AUG-2015 09:50	10-AUG-2015 10:15
EA055: Moisture Content (dried @ 103°C)	---	0.1	26.7	23.0	HK1529535-011	HK1529535-012	HK1529535-013	HK1529535-014	HK1529535-015

EA/JED: Physical and Aggregate Properties

EA002: pH Value

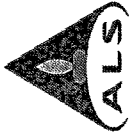
EA055: Moisture Content (dried @ 103°C)



Page Number : 6 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1			10.9	10.8	10.9	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1			28.5	27.2	27.4	26.3	25.4



Page Number : 7 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	10.9	11-AUG-2015 13:55	11-AUG-2015 15:30	11-AUG-2015 18:10	11-AUG-2015 09:00	11-AUG-2015 09:45	
EA055: Moisture Content (dried @ 103°C)	---	0.1	19.5	HK1529535-021	HK1529535-022	HK1529535-023	HK1529535-024	HK1529535-025	
					10.8	10.8	10.8	10.8	
					27.3	27.0	23.6	26.5	



Page Number : 8 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit				
			11-AUG-2015 10:30	HK1529535-026	11-AUG-2015 11:20	11-AUG-2015 12:15	11-AUG-2015 12:45	11-AUG-2015 14:10
					HK1529535-027	HK1529535-028	HK1529535-029	HK1529535-030
Sub-Matrix: SOLID								
EAIED: Physical and Aggregate Properties								
EA002: pH Value		0.1	10.8		10.8	10.7	10.7	10.0
EA055: Moisture Content (dried @ 103°C)		0.1	27.6		28.2	30.1	30.3	19.7



Page Number : 9 of 19
 Client : VM-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF
			11-AUG-2015 12:10	11-AUG-2015 13:40	11-AUG-2015 14:05	11-AUG-2015 15:20
			HK1529535-031	HK1529535-032	HK1529535-033	HK1529535-034
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---	0.1	10.8	10.9	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	26.3	23.9	24.1	29.0



Page Number : 11 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Unit	Client sample ID				RESIDUE AF
				Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AE	
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	10-AUG-2015 12:00 HK1529535-006	10-AUG-2015 12:00 HK1529535-007	10-AUG-2015 12:00 HK1529535-008	10-AUG-2015 12:00 HK1529535-009	10-AUG-2015 12:00 HK1529535-010
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	7440-52-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-56-6	1	mg/kg	<1	<1	3	1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				1	1	2	1	1



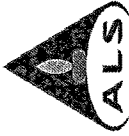
Page Number : 12 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	Unit	RESIDUE AF	RESIDUE AF
Sub-Matrix: TCLP LEACHATE						
EG: Metals and Major Cations - Filtered						
EG020: Antimony	7440-36-0	1	10-AUG-2015 12:00	mg/kg	HK1529535-011	10-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	10-AUG-2015 12:00	mg/kg	HK1529535-012	10-AUG-2015 12:00
EG020: Barium	7440-39-3	1	10-AUG-2015 12:00	mg/kg	HK1529535-013	10-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1	10-AUG-2015 12:00	mg/kg	HK1529535-014	10-AUG-2015 12:00
EG020: Cadmium	7440-43-9	1	10-AUG-2015 12:00	mg/kg	HK1529535-015	10-AUG-2015 12:00
EG020: Chromium	7440-47-3	1	10-AUG-2015 12:00	mg/kg	HK1529535-016	10-AUG-2015 12:00
EG020: Copper	7440-50-8	1	10-AUG-2015 12:00	mg/kg	HK1529535-017	10-AUG-2015 12:00
EG020: Lead	7439-92-1	1	10-AUG-2015 12:00	mg/kg	HK1529535-018	10-AUG-2015 12:00
EG020: Mercury	7439-97-6	0.2	10-AUG-2015 12:00	mg/kg	HK1529535-019	10-AUG-2015 12:00
EG020: Nickel	7440-02-0	1	10-AUG-2015 12:00	mg/kg	HK1529535-020	10-AUG-2015 12:00
EG020: Selenium	7782-49-2	0.2	10-AUG-2015 12:00	mg/kg	HK1529535-021	10-AUG-2015 12:00
EG020: Silver	7440-22-4	1	10-AUG-2015 12:00	mg/kg	HK1529535-022	10-AUG-2015 12:00
EG020: Thallium	7440-28-0	1	10-AUG-2015 12:00	mg/kg	HK1529535-023	10-AUG-2015 12:00
EG020: Tin	7440-31-5	1	10-AUG-2015 12:00	mg/kg	HK1529535-024	10-AUG-2015 12:00
EG020: Vanadium	7440-52-2	1	10-AUG-2015 12:00	mg/kg	HK1529535-025	10-AUG-2015 12:00
EG020: Zinc	7440-66-6	1	10-AUG-2015 12:00	mg/kg	HK1529535-026	10-AUG-2015 12:00
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						



Page Number : 13 of 19
 Client : VM-VES(HK) LTD
 Work Order : HK1529535

Compound	CAS Number	LOR	Client sampling data / time		Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Unit	Time	Sample ID	Time					
Sub-Matrix: TCLP LEACHATE											
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Barium	7440-39-3	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Cadmium	7440-43-8	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Chromium	7440-47-3	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Copper	7440-50-8	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	2	10-AUG-2015 12:00
EG020: Lead	7439-92-1	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	10-AUG-2015 12:00	HK1529535-016	<0.2	10-AUG-2015 12:00	HK1529535-017	<0.2	10-AUG-2015 12:00
EG020: Nickel	7440-02-0	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	10-AUG-2015 12:00	HK1529535-016	<0.2	10-AUG-2015 12:00	HK1529535-017	<0.2	10-AUG-2015 12:00
EG020: Silver	7440-22-4	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Thallium	7440-28-0	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Tin	7440-31-5	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Vanadium	7440-62-2	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	<1	10-AUG-2015 12:00
EG020: Zinc	7440-66-6	1	mg/kg	<1	10-AUG-2015 12:00	HK1529535-016	<1	10-AUG-2015 12:00	HK1529535-017	1	10-AUG-2015 12:00
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
					1		1		1		2



Page Number : 15 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
Compound	CAS Number	LOD	Client sampling date / time	Unit	11-AUG-2015 12:00	11-AUG-2015 12:00	11-AUG-2015 12:00	11-AUG-2015 12:00
					HK1529535-026	HK1529535-027	HK1529535-028	HK1529535-029
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	7440-51-5	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



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sample ID	Unit				
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Barium	7440-39-3	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Cadmium	7440-43-9	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Chromium	7440-47-3	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Copper	7440-50-8	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Lead	7439-92-1	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Nickel	7440-02-0	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Selenium	7782-49-2	0.2			<0.2	<0.2	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Silver	7440-22-4	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Thallium	7440-28-0	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Tin	7440-51-5	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Vanadium	7440-52-2	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
EG020: Zinc	7440-66-6	1			<1	<1	11-AUG-2015 12:00	11-AUG-2015 12:00
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
					1	1	1	1



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method, Compound	CAS Number	Laboratory Duplicate (DUP) Report			RPD (%)
				LOR	Original Result	Duplicate Result	
EAJED: Physical and Aggregate Properties (QC Lot: 4000300)							
HK1529535-001	RESIDUE AE	EA056: Moisture Content (dried @ 103°C)	—	29.1	28.9	0.6	
HK1529535-011	RESIDUE AF	EA056: Moisture Content (dried @ 103°C)	—	26.7	27.3	2.1	
EAJED: Physical and Aggregate Properties (QC Lot: 4000301)							
HK1529535-021	RESIDUE AE	EA056: Moisture Content (dried @ 103°C)	—	19.5	20.1	2.9	
HK1529535-031	RESIDUE BF	EA056: Moisture Content (dried @ 103°C)	—	26.3	26.2	0.4	
EAJED: Physical and Aggregate Properties (QC Lot: 4000303)							
HK1529535-001	RESIDUE AE	EA002: pH Value	—	10.9	10.9	0.0	
EAJED: Physical and Aggregate Properties (QC Lot: 4000304)							
HK1529535-021	RESIDUE AE	EA002: pH Value	—	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	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Control Limit
Method Blank (MB) Report										
EG: Metals and Major Cations - Filtered (QC Lot: 4000682)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	90.7	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	100	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	97.3	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	93.5	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	96.6	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.9	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.4	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	94.4	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	88.0	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	95.8	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	99.1	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	91.7	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	96.9	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.4	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	98.5	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	93.8	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4000683)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	87.2	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	94.4	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	93.2	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	94.3	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.3	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.4	78	118	—	—



Page Number : 18 of 19
 Client : VW-VES(HK) LTD
 Work Order : HK1529535

Matrix: WATER

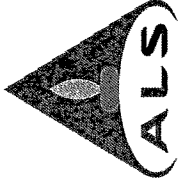
Method: Blank (MB) Report

Method: 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	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 4000683) - Continued												
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	88.9	---	79	115	---	---	
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	94.0	---	76	120	---	---	
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	96.0	---	78	120	---	---	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	100	---	81	119	---	---	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	84.0	---	76	114	---	---	
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	88.3	---	81	113	---	---	
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.8	---	79	119	---	---	
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	103	---	78	124	---	---	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	103	---	70	130	---	---	

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 9
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1529541
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 12-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 14-AUG-2015
Project	: *****	Quote number	: *****	No. of samples received	: 10
Order number	: *****			No. of samples analysed	: 10
C-O-C number	: *****				
Site	: *****				

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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

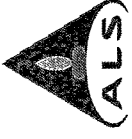
General Manager

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing, Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 9
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1529541

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-AUG-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: **HK1529541**

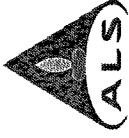
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529541

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
				[11-AUG-2015]	11-AUG-2015 07:30	11-AUG-2015 08:50	11-AUG-2015 09:15	11-AUG-2015 09:55
				HK1529541-001	HK1529541-002	HK1529541-003	HK1529541-004	HK1529541-005
EA1ED: Physical and Aggregate Properties								
EA002: pH Value		0.1	pH Unit	10.8	10.9	10.9	10.9	10.9
EA056: Moisture Content (dried @ 103°C)		0.1	%	28.1	23.3	30.8	28.4	29.1



Page Number : 4 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529541

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sampling date / time	Unit	11-AUG-2015 11:15	11-AUG-2015 12:45	11-AUG-2015 13:30	11-AUG-2015 15:45	11-AUG-2015 16:55
EAJED: Physical and Aggregate Properties					HK1529541-006	HK1529541-007	HK1529541-008	HK1529541-009	HK1529541-010
EA002: pH Value	---	0.1	pH Unit		10.8	10.8	10.8	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		28.4	25.2	29.0	18.0	21.4



Compound	CAS Number	LOR	Client sampling date / time	Client sample ID				
				RESIDUE BE [11-AUG-2015]	RESIDUE BE 11-AUG-2015 12:00	RESIDUE BE 11-AUG-2015 12:00	RESIDUE BE 11-AUG-2015 12:00	RESIDUE BE 11-AUG-2015 12:00
			Unit	HK1529541-001	HK1529541-002	HK1529541-003	HK1529541-004	HK1529541-005
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	5	2	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				1	2	1	1	1



Page Number : 6 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529541

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE												
			Client sampling date / time	Unit																	
EG: Metals and Major Cations - Filtered																					
EG020: Antimony	7440-36-0	1			<1	mg/kg	11-AUG-2015 12:00	HK1529541-006	<1	11-AUG-2015 12:00	HK1529541-007	<1	11-AUG-2015 12:00	HK1529541-008	<1	11-AUG-2015 12:00	HK1529541-009	<1	11-AUG-2015 12:00	HK1529541-010	
EG020: Arsenic	7440-39-2	1			<1	mg/kg			<1			<1						<1			
EG020: Barium	7440-39-3	1			<1	mg/kg			<1			<1						<1			
EG020: Beryllium	7440-41-7	1			<1	mg/kg			<1			<1						<1			
EG020: Cadmium	7440-43-8	1			<1	mg/kg			<1			<1						<1			
EG020: Chromium	7440-47-3	1			<1	mg/kg			<1			<1						<1			
EG020: Copper	7440-50-8	1			1	mg/kg			<1			<1						1			
EG020: Lead	7439-92-1	1			<1	mg/kg			<1			<1						<1			
EG020: Mercury	7439-97-6	0.2			<0.2	mg/kg			<0.2			<0.2						<0.2			
EG020: Nickel	7440-02-0	1			<1	mg/kg			<1			<1						<1			
EG020: Selenium	7782-49-2	0.2			<0.2	mg/kg			<0.2			<0.2						<0.2			
EG020: Silver	7440-22-4	1			<1	mg/kg			<1			<1						<1			
EG020: Thallium	7440-28-0	1			<1	mg/kg			<1			<1						<1			
EG020: Tin	7440-31-5	1			<1	mg/kg			<1			<1						<1			
EG020: Vanadium	7440-62-2	1			<1	mg/kg			<1			<1						<1			
EG020: Zinc	7440-66-6	1			<1	mg/kg			<1			<1						<1			
Sample Preparation Method																					
E-TCLP: Extraction Fluid Number																					
					1				1			1						1			1



Page Number : 7 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529541

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: 4000301)							
HK1529535-021	Anonymous	EA055: Moisture Content (dried @ 103°C)	—	%	19.5	20.1	2.9
HK1529535-031	Anonymous	EA056: Moisture Content (dried @ 103°C)	—	%	26.3	26.2	0.4
EAJED: Physical and Aggregate Properties (QC Lot: 4000302)							
HK1529541-007	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)	—	%	25.2	25.2	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4000304)							
HK1529535-021	Anonymous	EA002: pH Value	—	pH Unit	10.9	10.9	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4000305)							
HK1529541-007	RESIDUE BE	EA002: pH Value	—	pH Unit	10.8	10.8	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	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4000683)														
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	87.2	76	118	—	—	—	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	72	124	—	—	—	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	94.4	80	120	—	—	—	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	93.2	74	122	—	—	—	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	94.3	79	117	—	—	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.3	78	120	—	—	—	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.4	78	118	—	—	—	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	88.9	79	115	—	—	—	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	94.0	76	120	—	—	—	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	96.0	78	120	—	—	—	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	100	81	119	—	—	—	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	84.0	76	114	—	—	—	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	86.3	81	113	—	—	—	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.8	79	119	—	—	—	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	103	78	124	—	—	—	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	103	70	130	—	—	—	—	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4000684)														
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	88.1	76	118	—	—	—	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.3	72	124	—	—	—	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.7	80	120	—	—	—	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	93.5	74	122	—	—	—	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	96.8	79	117	—	—	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	95.4	78	120	—	—	—	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.9	78	118	—	—	—	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	89.3	79	115	—	—	—	—	—	—



Page Number : 8 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1529541

Method Blank (MB) Report

Matrix: WATER

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

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)			Recovery Limits (%)			RPD (%)	
						LCS	DCS	High	Low	High	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4000684) - Continued													
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	102	---	76	120	---	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.1	---	78	120	---	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	98.6	---	81	119	---	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	83.7	---	76	114	---	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	92.4	---	81	113	---	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.2	---	79	119	---	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	---	78	124	---	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.2	---	70	130	---	---	---	---

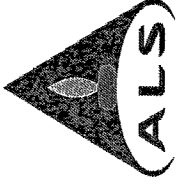


Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4000683)									
HK1529535-021	Anonymous	EG020: Antimony	7440-36-0	1 mg/L	118	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	105	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	97.1	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	100	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	99.7	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	89.3	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	92.7	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	108	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	102	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	120	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	95.6	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	90.0	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	102	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	108	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	77.2	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4000684)									
HK1529541-007	RESIDUE BE	EG020: Antimony	7440-36-0	1 mg/L	117	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	99.5	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	94.8	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	91.1	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	95.8	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	98.8	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	83.0	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	88.2	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	88.2	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	96.0	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	113	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	90.7	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	88.4	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	97.8	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	101	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	90.0	---	75	125	---

Matrix: WATER

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 26
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1530133
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 14-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 18-AUG-2015
Project	: *****	Quote number	: *****	No. of samples received	: 49
Order number	: *****			No. of samples analysed	: 49
C-O-C number	: *****				
Site	: *****				

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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 Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing, Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 26
Client : VW-VES(HK) LTD
Work Order : HK1530133

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-AUG-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: **HK1530133**

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 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		ASH AF	ASH AF	ASH AF	ASH AF	ASH MIDDLE
			Client sampling date / time	Unit					
EA002: pH Value	--	0.1	12-AUG-2015 07:15	HK1530133-001	12-AUG-2015 08:00	12-AUG-2015 10:15	12-AUG-2015 10:30	12-AUG-2015 09:20	
EA055: Moisture Content (dried @ 103°C)	--	0.1			9.8	9.8	9.8	9.4	
					22.1	19.0	16.1	24.5	

EA/ED: Physical and Aggregate Properties



Page Number : 4 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID									
			Client sampling date / time	Unit	Client sample ID	Client sample ID						
EA002: pH Value	---	0.1	12-AUG-2015 11:35	ASH MIDDLE HK1530133-006	12-AUG-2015 12:02	ASH A MIDDLE HK1530133-007	12-AUG-2015 12:28	ASH A MIDDLE HK1530133-008	12-AUG-2015 12:45	ASH A MIDDLE HK1530133-009	12-AUG-2015 13:45	ASH A MIDDLE HK1530133-010
EA055: Moisture Content (dried @ 103°C)	---	0.1		9.7 24.0		9.4 23.4	9.7 22.2	9.5 21.1	9.6 24.1			

EA/ED: Physical and Aggregate Properties



Page Number : 5 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		ASH A MIDDLE	ASH A MIDDLE	ASH A MIDDLE	RESIDUE AE	RESIDUE AE
		LOR	Client sampling date / time					
EA002: pH Value	---	0.1	12-AUG-2015 14:10	9.6	9.5	9.6	10.6	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	12-AUG-2015 14:35	22.4	24.1	24.6	20.4	22.5
			Unit	HK1530133-011	HK1530133-012	HK1530133-013	HK1530133-014	HK1530133-015
			pH Unit					
			%					



Page Number : 6 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit				
EA002: pH Value	—	0.1	12-AUG-2015 09:50	HK1530133-016	10.7	10.7	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	—	0.1	12-AUG-2015 11:00	HK1530133-017	21.4	22.2	23.4	22.1
			12-AUG-2015 13:20	HK1530133-018	10.7	10.8	10.8	10.7
			12-AUG-2015 13:55	HK1530133-019	25.2	25.2	25.2	22.1
			12-AUG-2015 16:25	HK1530133-020	10.7	10.7	10.7	10.7

EAJED: Physical and Aggregate Properties



Page Number : 7 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	Client sample ID		RESIDUE AE	ASH AF	ASH AF	ASH AF	ASH AF
		Client sampling date / time	Unit					
		12-AUG-2015 17:00	HK1530133-021	13-AUG-2015 07:30	13-AUG-2015 08:30	13-AUG-2015 09:10	13-AUG-2015 09:50	
				10.7	10.2	9.8	9.8	
EA/ED: Physical and Aggregate Properties				22.8	17.8	17.2	21.8	
EA002: pH Value		0.1						9.8
EA055: Moisture Content (dried @ 103°C)		0.1						19.3



Page Number : 8 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	LOR	Client sample ID				
			Client sampling date / time	Unit	ASH AF	ASH AF	
			13-AUG-2015 10:00	13-AUG-2015 10:35	13-AUG-2015 11:30	13-AUG-2015 12:00	13-AUG-2015 12:40
			HK1530133-026	HK1530133-027	HK1530133-028	HK1530133-029	HK1530133-030
EA/ED: Physical and Aggregate Properties							
EA002: pH Value		0.1	9.7	9.7	10.0	10.0	9.9
EA055: Moisture Content (dried @ 103°C)		0.1	18.5	17.9	23.2	26.2	26.4



Page Number : 9 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	LOR	Client sample ID		ASH A MIDDLE	ASH A MIDDLE	ASH BF	ASH BF	ASH BF
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1			9.6	9.7	9.8	9.9	9.9
EA055: Moisture Content (dried @ 103°C)	---	0.1			26.9	27.1	20.4	18.3	22.5



Page Number : 10 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE BF
		LOR	Client sampling date / time					
EA002: pH Value	---	0.1		10.8	10.8	10.9	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1		19.6	20.6	30.8	21.4	29.4
Sub-Matrix: SOLID								
EA002: pH Value								
EA055: Moisture Content (dried @ 103°C)								
EAVED: Physical and Aggregate Properties								



Page Number : 11 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EA002: pH Value	—	0.1	13-AUG-2015	pH Unit	10.8	10.7	10.8	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	13-AUG-2015	%	26.7	26.6	20.1	25.7	28.8

Sub-Matrix: SOLID

RESIDUE BF
13-AUG-2015 07:40
HK1530133-045

RESIDUE BF
[13-AUG-2015]
HK1530133-044

RESIDUE BF
[13-AUG-2015]
HK1530133-043

RESIDUE BF
[13-AUG-2015]
HK1530133-042

RESIDUE BF
[13-AUG-2015]
HK1530133-041

Page Number : 12 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133



Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit				
EA002: pH Value	---	0.1	13-AUG-2015 08:40	HK1530133-046	10.8	10.8	10.6	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	13-AUG-2015 09:20	HK1530133-047	22.1	23.4	24.8	22.8



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID				
			Unit	Result	ASH MIDDLE 12-AUG-2015 12:00 HK1530133-006	ASH A MIDDLE 12-AUG-2015 12:00 HK1530133-007	ASH A MIDDLE 12-AUG-2015 12:00 HK1530133-008	ASH A MIDDLE 12-AUG-2015 12:00 HK1530133-009	ASH A MIDDLE 12-AUG-2015 12:00 HK1530133-010
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	7440-31-6	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									
				1	1	1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	Residue AE						
			Unit	ASH A MIDDLE		ASH A MIDDLE	ASH A MIDDLE	RESIDUE AE	RESIDUE AE	RESIDUE AE		
EG: Metals and Major Cations - Filtered												
EG020: Antimony	7440-36-0	1	mg/kg	<1	HK1530133-011	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	RESIDUE AE	12-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	mg/kg	<1	HK1530133-012	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	RESIDUE AE	12-AUG-2015 12:00
EG020: Barium	7440-39-3	1	mg/kg	<1	HK1530133-013	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	RESIDUE AE	12-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1	mg/kg	<1	HK1530133-014	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	RESIDUE AE	12-AUG-2015 12:00
EG020: Cadmium	7440-43-9	1	mg/kg	<1	HK1530133-015	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	ASH A MIDDLE	12-AUG-2015 12:00	RESIDUE AE	12-AUG-2015 12:00
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												
				1		1		1		1		1

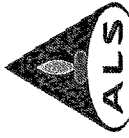


Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
Compound	CAS Number	LOF	Client sampling date / time	Unit	12-AUG-2015 12:00	12-AUG-2015 12:00	12-AUG-2015 12:00	12-AUG-2015 12:00
					HK1530133-016	HK1530133-017	HK1530133-018	HK1530133-019
EG: Metals 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	7440-43-8	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	7439-92-1	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	7440-52-2	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
					1	1	1	1
					1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	ASH AF	ASH AF	ASH AF	ASH AF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	12-AUG-2015 12:00	13-AUG-2015 12:00	13-AUG-2015 12:00	13-AUG-2015 12:00	13-AUG-2015 12:00	13-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	mg/kg	HK1530133-021	HK1530133-022	HK1530133-023	HK1530133-024	HK1530133-025	HK1530133-025
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	7440-66-8	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 : 18 of 26
 Client : VM-VES(HK) LTD
 Work Order : HK1530133

Compound	CAS Number	Client sampling date / time		Client sample ID				
		LOI	Unit	ASH AF 13-AUG-2015 12:00 HK1530133-026	ASH AF 13-AUG-2015 12:00 HK1530133-027	ASH AF 13-AUG-2015 12:00 HK1530133-028	ASH AF 13-AUG-2015 12:00 HK1530133-029	ASH AF 13-AUG-2015 12:00 HK1530133-030
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	<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	7440-52-2	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



Page Number : 21 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF [13-AUG-2015] HK1530133-041	RESIDUE BF [13-AUG-2015] HK1530133-042	RESIDUE BF [13-AUG-2015] HK1530133-043	RESIDUE BF [13-AUG-2015] HK1530133-044	RESIDUE BF 13-AUG-2015 12:00 HK1530133-045
			Client sample ID	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	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	7440-52-2	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	2	2



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
Compound	CAS Number	LOR	Client sampling date / time	Unit	13-AUG-2015 12:00	13-AUG-2015 12:00	13-AUG-2015 12:00
E-G: 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	<1	1	<1
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	7440-31-5	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	<1	<1	2
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
					1	2	1

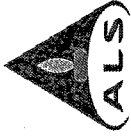


Laboratory Duplicate (DUP) Report

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: 4001874)									
HK1530133-001	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	22.1	22.5	1.8
HK1530133-011	ASH A MIDDLE		EA055: Moisture Content (dried @ 103°C)		0.1	%	22.4	21.7	3.3
EA/ED: Physical and Aggregate Properties (QC Lot: 4001875)									
HK1530133-021	RESIDUE AE		EA055: Moisture Content (dried @ 103°C)		0.1	%	22.8	23.4	3.0
HK1530133-031	ASH A MIDDLE		EA055: Moisture Content (dried @ 103°C)		0.1	%	26.9	27.1	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 4001876)									
HK1530133-041	RESIDUE BF		EA056: Moisture Content (dried @ 103°C)		0.1	%	26.7	27.0	1.2
HK1530138-002	Anonymous		EA056: Moisture Content (dried @ 103°C)		0.1	%	12.1	12.3	1.6
EA/ED: Physical and Aggregate Properties (QC Lot: 4001877)									
HK1530133-001	ASH AF		EA002: pH Value		0.1	pH Unit	9.8	9.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4001878)									
HK1530133-021	RESIDUE AE		EA002: pH Value		0.1	pH Unit	10.7	10.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4001879)									
HK1530133-041	RESIDUE BF		EA002: pH Value		0.1	pH Unit	10.8	10.8	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 (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4002366)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.2	76	118	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	102	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	102	74	122	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	99.7	79	117	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	106	78	120	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	94.8	78	118	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	87.6	79	115	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	92.0	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	104	81	119	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	85.2	76	114	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	88.9	81	113	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.2	79	119	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	97.0	78	124	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	101	70	130	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4002367)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.2	76	118	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	107	72	124	72	124	—	—



Method Blank (MB) Report										Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Matrix:	WATER															
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit					
EG: Metals and Major Cations - Filtered (QC Lot: 4002367) - Continued																
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	101	—	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	109	—	78 120	—	—	—					
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.7	—	78 118	—	—	—					
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	93.3	—	79 115	—	—	—					
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.5	—	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	108	—	81 119	—	—	—					
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	90.5	—	76 114	—	—	—					
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.0	—	81 113	—	—	—					
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	105	—	79 119	—	—	—					
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	102	—	78 124	—	—	—					
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	98.5	—	70 130	—	—	—					
EG: Metals and Major Cations - Filtered (QC Lot: 4002368)																
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	97.7	—	76 118	—	—	—					
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	107	—	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	98.7	—	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	110	—	78 120	—	—	—					
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	96.8	—	78 118	—	—	—					
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	91.4	—	79 115	—	—	—					
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	87.5	—	76 120	—	—	—					
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	105	—	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	90.4	—	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	99.8	—	79 119	—	—	—					
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	103	—	78 124	—	—	—					
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	95.3	—	70 130	—	—	—					



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 Client : VW-VES(HK) LTD
 Work Order : HK1530133

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	Spike Recovery (%)	MSD	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4002366)											
HK1530133-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	97.9	---	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	101	---	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	95.0	---	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	94.5	---	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	97.3	---	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	104	---	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	85.8	---	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	86.9	---	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	88.2	---	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	98.3	---	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	104	---	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	82.5	---	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	88.6	---	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	96.2	---	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	91.9	---	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	82.7	---	---	75	125	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4002367)											
HK1530133-021	RESIDUE AE	EG020: Antimony	7440-36-0	1 mg/L	124	---	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	104	---	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	97.9	---	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	105	---	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	101	---	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	107	---	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	90.7	---	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	89.7	---	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	84.5	---	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	100	---	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	119	---	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	89.5	---	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	89.0	---	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	99.2	---	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	99.4	---	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	96.7	---	---	75	125	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4002368)											
HK1530133-041	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	121	---	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	105	---	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	99.0	---	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	104	---	---	75	125	---	---



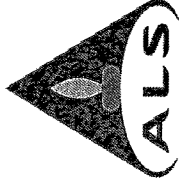
Page Number : 26 of 26
 Client : VW-VES(HK) LTD
 Work Order : HK1530133

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: 4002368) - Continued										
HK1530133-041	RESIDUE BF	EG020: Cadmium	7440-43-9	1 mg/L	102	75	125	---	---	---
		EG020: Chromium	7440-47-3	1 mg/L	102	75	125	---	---	---
		EG020: Copper	7440-50-8	1 mg/L	97.6	75	125	---	---	---
		EG020: Lead	7439-92-1	1 mg/L	91.8	75	125	---	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	94.0	75	125	---	---	---
		EG020: Nickel	7440-02-0	1 mg/L	104	75	125	---	---	---
		EG020: Selenium	7782-49-2	1 mg/L	124	75	125	---	---	---
		EG020: Silver	7440-22-4	1 mg/L	89.6	75	125	---	---	---
		EG020: Thallium	7440-28-0	1 mg/L	90.0	75	125	---	---	---
		EG020: Tin	7440-31-5	1 mg/L	98.5	75	125	---	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	96.0	75	125	---	---	---
		EG020: Zinc	7440-66-6	1 mg/L	87.9	75	125	---	---	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 8
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1530138
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 14-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 18-AUG-2015
Project	: ---	Quote number	: ---	No. of samples received	: 10
Order number	: ---			No. of samples analysed	: 10
C-O-C number	: ---				
Site	: ---				

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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

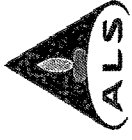
General Manager

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 8
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1530138

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-AUG-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: **HK1530138**

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.



Page Number : 3 of 8
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530138

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	ASH BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
EA002: pH Value	—	0.1	pH Unit	12-AUG-2015 12:30 HK1530138-001	12-AUG-2015 18:00 HK1530138-002	12-AUG-2015 10:00 HK1530138-003	12-AUG-2015 11:40 HK1530138-004	12-AUG-2015 13:10 HK1530138-005
EA056: Moisture Content (dried @ 103°C)	—	0.1	%	10.0	9.7	10.7	10.7	10.8
				9.5	12.1	26.8	28.3	23.7

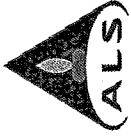


Page Number : 4 of 8
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530138

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID				
			Unit	Value	Unit	Value			
EA002: pH Value	--	0.1	pH Unit	10.8	RESIDUE BE	12-AUG-2015 14:30	12-AUG-2015 16:00	12-AUG-2015 17:30	13-AUG-2015 16:30
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	25.9	RESIDUE BE	12-AUG-2015 14:30	12-AUG-2015 16:00	12-AUG-2015 17:30	13-AUG-2015 16:30
				10.8	RESIDUE BE	HK1530138-006	HK1530138-008	HK1530138-009	HK1530138-010
EA055: Physical and Aggregate Properties									
				10.8	RESIDUE BE	HK1530138-007	HK1530138-008	HK1530138-009	HK1530138-010
				24.3	RESIDUE BE	HK1530138-007	HK1530138-008	HK1530138-009	HK1530138-010
				24.9	RESIDUE BE	HK1530138-007	HK1530138-008	HK1530138-009	HK1530138-010
				10.8	RESIDUE BE	HK1530138-007	HK1530138-008	HK1530138-009	HK1530138-010
				30.2	RESIDUE BE	HK1530138-007	HK1530138-008	HK1530138-009	HK1530138-010



Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time					
Compound	CAS Number	LOF	Unit	ASH BE 12-AUG-2015 12:00 HK1530138-001	ASH BE 12-AUG-2015 12:00 HK1530138-002	RESIDUE BE 12-AUG-2015 12:00 HK1530138-003	RESIDUE BE 12-AUG-2015 12:00 HK1530138-004	RESIDUE BE 12-AUG-2015 12:00 HK1530138-005	
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-38-0	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Barium	7440-38-3	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	7440-50-9	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1	
EG020: Mercury	7439-97-5	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	1	1	



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	12-AUG-2015 12:00	12-AUG-2015 12:00	12-AUG-2015 12:00	12-AUG-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	7440-43-9	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	7440-51-5	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



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 (%)	
EAJED: Physical and Aggregate Properties (QC Lot: 4001876)									
HK1530133-041	Anonymous	EA056: Moisture Content (dried @ 103°C)		0.1	%	26.7	27.0		1.2
HK1530138-002	ASH BE	EA056: Moisture Content (dried @ 103°C)		0.1	%	12.1	12.3		1.6
EAJED: Physical and Aggregate Properties (QC Lot: 4001879)									
HK1530133-041	Anonymous	EA002: pH Value		0.1	pH Unit	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 (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4002368)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	97.7	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	107	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	99.7	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	110	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	96.8	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	91.4	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	87.5	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	105	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	90.4	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	99.8	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	103	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	95.3	70	130	---	---

Method Blank (MB) Report



Page Number : 8 of 8
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530138

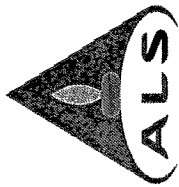
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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 (%)	High	Value	RPD (%)	Control Limit				
EG: Metals and Major Cations - Filtered (QC Lot: 4002366)															
HK1530133-041	Anonymous			EG020: Antimony	121	---	75	125	---	---	---	---	---	---	
				EG020: Arsenic	105	---	75	125	---	---	---	---	---	---	
				EG020: Barium	99.0	---	75	125	---	---	---	---	---	---	
				EG020: Beryllium	104	---	75	125	---	---	---	---	---	---	
				EG020: Cadmium	102	---	75	125	---	---	---	---	---	---	
				EG020: Chromium	102	---	75	125	---	---	---	---	---	---	
				EG020: Copper	87.6	---	75	125	---	---	---	---	---	---	
				EG020: Lead	91.8	---	75	125	---	---	---	---	---	---	
				EG020: Mercury	94.0	---	75	125	---	---	---	---	---	---	
				EG020: Nickel	104	---	75	125	---	---	---	---	---	---	
				EG020: Selenium	124	---	75	125	---	---	---	---	---	---	
				EG020: Silver	89.6	---	75	125	---	---	---	---	---	---	
				EG020: Thallium	90.0	---	75	125	---	---	---	---	---	---	
				EG020: Tin	88.5	---	75	125	---	---	---	---	---	---	
				EG020: Vanadium	98.0	---	75	125	---	---	---	---	---	---	
				EG020: Zinc	87.9	---	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**
Address : **UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG**
E-mail : **jennifer.chan@veolia.com**
Telephone : **+852 2910 9709**
Facsimile : **+852 2430 8011**
Project : **----**
Order number : **----**
C-O-C number : **----**
Site : **----**

Laboratory : **ALS Technichem (HK) Pty Ltd**
Contact : **Fung Lim Chee, Richard**
Address : **11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong**
E-mail : **Richard.Fung@alsglobal.com**
Telephone : **+852 2610 1044**
Facsimile : **+852 2610 2021**
Quote number : **----**
Date Samples Received : **17-AUG-2015**
Issue Date : **19-AUG-2015**
No. of samples received : **40**
No. of samples analysed : **40**

Page : **1 of 21**

Work Order : **HK1530452**

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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

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 21
Client : VW-VES(HK) LTD
Work Order : HK1530452

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: 18-AUG-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: **HK1530452**

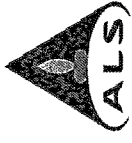
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Analytical Results

Sub-Matrix: SOLID

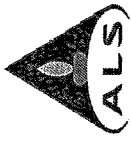
Compound	CAS Number	Client sampling date / time		Client sample ID
		LOR	Unit	
EA002: pH Value	---	0.1	pH Unit	9.3
EA056: Moisture Content (dried @ 103°C)	---	0.1	%	30.1
EA/ED: Physical and Aggregate Properties				
				9.8
				21.7
				9.5
				17.8
				9.5
				17.0
				10.6
				28.0

ASH A MIDDLE	ASH AF	ASH AF	ASH AF	RESIDUE AE
14-AUG-2015 18:10	15-AUG-2015 14:50	16-AUG-2015 11:00	16-AUG-2015 18:10	14-AUG-2015 13:15
HK1530452-001	HK1530452-002	HK1530452-003	HK1530452-004	HK1530452-005



Page Number : 4 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Compound	CAS Number	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
		LOR	Unit				
				14-AUG-2015 13:50	14-AUG-2015 14:10	14-AUG-2015 14:45	14-AUG-2015 15:25
				HK1530452-006	HK1530452-007	HK1530452-008	HK1530452-010
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	---	0.1	pH Unit	10.6	10.6	10.6	10.5
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	28.4	29.9	27.5	28.5



Page Number : 5 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Sub-Matrix: SOLID

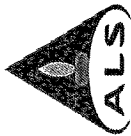
Compound	CAS Number	LOR	Client sampling date / time		Client sample ID
			Unit	Unit	
EA002: pH Value	---	0.1	14-AUG-2015 16:30	14-AUG-2015 17:30	RESIDUE AE 16-AUG-2015 07:30 HK1530452-013
EA055: Moisture Content (dried @ 103°C)	---	0.1	14-AUG-2015 16:30	14-AUG-2015 17:30	RESIDUE AE 16-AUG-2015 08:40 HK1530452-014
			10.5	10.7	10.6
			28.0	26.8	29.8
					10.6
					26.2
					10.7
					28.4

EA/ED: Physical and Aggregate Properties



Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
			16-AUG-2015 09:30	16-AUG-2015 09:45	16-AUG-2015 09:45	16-AUG-2015 10:15	16-AUG-2015 10:50	16-AUG-2015 11:05	
			HK1530452-016	HK1530452-017	HK1530452-017	HK1530452-018	HK1530452-019	HK1530452-020	
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1	10.6	10.7	10.7	10.7	10.6	10.6	
EA055: Moisture Content (dried @ 103°C)	--	0.1	30.8	29.6	30.1	30.2	30.2	32.0	

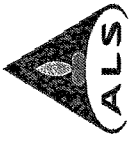


Page Number : 7 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE					
			Unit	Unit										
EA002: pH Value	---	0.1	16-AUG-2015 11:30	HK1530452-021	10.6	16-AUG-2015 13:10	HK1530452-022	10.7	16-AUG-2015 13:30	HK1530452-023	16-AUG-2015 13:50	HK1530452-024	16-AUG-2015 14:20	HK1530452-025
EA055: Moisture Content (dried @ 103°C)	---	0.1			31.9			30.6		26.7			29.9	
								10.6		10.6			10.6	

EA/ED: Physical and Aggregate Properties



Page Number : 8 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1		pH Unit	10.6	10.7	10.8	10.6	10.8
EA055: Moisture Content (dried @ 103°C)	--	0.1		%	29.9	29.5	25.9	22.5	21.7



Page Number : 9 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

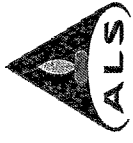
Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EA1ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1		pH Unit	14-AUG-2015 08:30	14-AUG-2015 08:30	14-AUG-2015 08:30	14-AUG-2015 09:15	14-AUG-2015 10:30
EA055: Moisture Content (dried @ 103°C)	--	0.1		%	HK1530452-031	HK1530452-032	HK1530452-033	HK1530452-034	HK1530452-035
					10.9	10.9	10.8	10.7	10.7
					21.1	20.4	22.3	21.5	29.2

Sub-Matrix: SOLID



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID		Residue AE
			Unit	ASH A MIDDLE	ASH AF	ASH AF	
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	mg/kg	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	HK1530452-005
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	1	
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	7440-31-5	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	1	
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
				1	1	1	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-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	7440-43-9	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	2	2	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 Number								
					2	2	2	2



Page Number : 13 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	RESIDUE AE				
			16-AUG-2015 12:00	16-AUG-2015 12:00		16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	2	2	mg/kg	2	2	2	2	<1
EG020: Lead	7439-92-1	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-48-2	0.2	<0.2	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	1	2	mg/kg	1	2	2	2	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
			2	2		2	2	2	2	2



Page Number : 15 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Unit	RESIDUE AE				
			16-AUG-2015 12:00	16-AUG-2015 12:00		16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	<1	<1	mg/kg	<1	<1	<1	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
			2	1		2	2	2	2	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sampling data / time		RESIDUE AE 16-AUG-2015 12:00 HK1530452-026	RESIDUE AE 16-AUG-2015 12:00 HK1530452-027	RESIDUE AF 16-AUG-2015 12:00 HK1530452-028	RESIDUE BF 16-AUG-2015 12:00 HK1530452-029	RESIDUE BF 16-AUG-2015 12:00 HK1530452-030
		LOF	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	<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								
				2	2	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling data / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	16-AUG-2015 12:00					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-96-0	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	7440-43-8	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	<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 Number									
				1	1	1	1	1	1



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	16-AUG-2015 12:00	HK1530452-036	HK1530452-037	HK1530452-038	HK1530452-039	HK1530452-040
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 Number									
				1	1	1	1	1	1



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4003087)								
HK1530452-001	ASH A MIDDLE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	30.1	30.2	0.0
HK1530452-011	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	28.0	28.1	0.4
EA/ED: Physical and Aggregate Properties (QC Lot: 4003088)								
HK1530452-021	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	31.9	31.6	1.0
HK1530452-031	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	21.1	21.2	0.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4003093)								
HK1530452-001	ASH A MIDDLE	EA002: pH Value	---	0.1	pH Unit	9.3	9.4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4003094)								
HK1530452-021	RESIDUE AE	EA002: pH Value	---	0.1	pH Unit	10.6	10.6	0.0

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

Method: Compound	CAS Number	LOR	Unit	Result	Method Blank (MB) Report						Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit				
EG: Metals and Major Cations - Filtered (QC Lot: 4003738)																
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	97.5	---	---	---	76	118	---	---			
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	---	---	---	72	124	---	---			
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	99.4	---	---	---	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	101	---	---	---	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	101	---	---	---	78	118	---	---			
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	90.5	---	---	---	79	115	---	---			
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	87.2	---	---	---	76	120	---	---			
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	99.9	---	---	---	78	120	---	---			
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	106	---	---	---	81	119	---	---			
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	96.1	---	---	---	76	114	---	---			
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	88.3	---	---	---	81	113	---	---			
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	100	---	---	---	79	119	---	---			
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	97.8	---	---	---	78	124	---	---			
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	94.2	---	---	---	70	130	---	---			
EG: Metals and Major Cations - Filtered (QC Lot: 4003739)																
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.2	---	---	---	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	100	---	---	---	80	120	---	---			
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	109	---	---	---	74	122	---	---			
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	95.2	---	---	---	79	117	---	---			
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	112	---	---	---	78	120	---	---			
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.8	---	---	---	78	118	---	---			



Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (DCS) Report								
Matrix	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4003739) - Continued												
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	94.1	---	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	86.1	---	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	---	---	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	98.1	---	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	91.5	---	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	99.8	---	---	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	98.7	---	---	70	130	---	---



Page Number : 21 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1530452

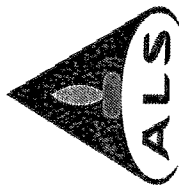
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4003738)									
HK1530452-001	ASH A MIDDLE								
		EG020: Antimony	7440-36-0	1 mg/L	99.4		75	125	
		EG020: Arsenic	7440-38-2	1 mg/L	104		75	125	
		EG020: Barium	7440-39-3	1 mg/L	98.7		75	125	
		EG020: Beryllium	7440-41-7	1 mg/L	106		75	125	
		EG020: Cadmium	7440-43-9	1 mg/L	100		75	125	
		EG020: Chromium	7440-47-3	1 mg/L	103		75	125	
		EG020: Copper	7440-50-8	1 mg/L	87.5		75	125	
		EG020: Lead	7439-92-1	1 mg/L	90.5		75	125	
		EG020: Mercury	7439-97-6	0.02 mg/L	82.6		75	125	
		EG020: Nickel	7440-02-0	1 mg/L	103		75	125	
		EG020: Selenium	7782-49-2	1 mg/L	118		75	125	
		EG020: Silver	7440-22-4	1 mg/L	88.8		75	125	
		EG020: Thallium	7440-28-0	1 mg/L	88.5		75	125	
		EG020: Tin	7440-31-5	1 mg/L	105		75	125	
		EG020: Vanadium	7440-62-2	1 mg/L	102		75	125	
		EG020: Zinc	7440-66-6	1 mg/L	88.1		75	125	
EG: Metals and Major Cations - Filtered (QC Lot: 4003739)									
HK1530452-021	RESIDUE AE								
		EG020: Antimony	7440-36-0	1 mg/L	118		75	125	
		EG020: Arsenic	7440-38-2	1 mg/L	100		75	125	
		EG020: Barium	7440-39-3	1 mg/L	100		75	125	
		EG020: Beryllium	7440-41-7	1 mg/L	124		75	125	
		EG020: Cadmium	7440-43-9	1 mg/L	97.0		75	125	
		EG020: Chromium	7440-47-3	1 mg/L	115		75	125	
		EG020: Copper	7440-50-8	1 mg/L	92.4		75	125	
		EG020: Lead	7439-92-1	1 mg/L	92.0		75	125	
		EG020: Mercury	7439-97-6	0.02 mg/L	81.2		75	125	
		EG020: Nickel	7440-02-0	1 mg/L	106		75	125	
		EG020: Selenium	7782-49-2	1 mg/L	114		75	125	
		EG020: Silver	7440-22-4	1 mg/L	80.5		75	125	
		EG020: Thallium	7440-28-0	1 mg/L	89.3		75	125	
		EG020: Tin	7440-31-5	1 mg/L	100		75	125	
		EG020: Vanadium	7440-62-2	1 mg/L	105		75	125	
		EG020: Zinc	7440-66-6	1 mg/L	82.0		75	125	

Matrix: WATER

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND
 : JOINT VENTURE
Contact : MS JENNIFER CHAN
Address : ATTENTION TO MS JENNIFER CHAN
 : P.O. BOX 45,
 : GENERAL POST OFFICE HONG KONG
E-mail : jennifer.chan@veolia.com
Telephone : +852 2910 9709
Facsimile : +852 2430 8011
Project :
Order number :
C-O-C number :
Site :

Laboratory : ALS Technichem (HK) Pty Ltd
 Page : 1 of 12
Contact : Fung Lim Chee, Richard
 Work Order : HK1530454
Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing
 : Yip Street, Kwai Chung, N.T., Hong Kong
E-mail : Richard.Fung@alsglobal.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number :
Date Samples Received : 17-AUG-2015
Issue Date : 19-AUG-2015
No. of samples received : 19
No. of samples analysed : 19

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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 Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 12
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1530454

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: 18-AUG-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: **HK1530454**

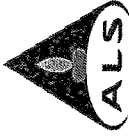
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

Analytical Results

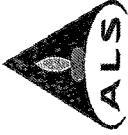
Sub-Matrix: SOLID

Compound	CAS Number	Client sample ID		ASH BE	ASH BE	ASH BE	ASH BE
		LOR	Unit				
EA002: pH Value	---	0.1	pH Unit	14-AUG-2015 09:50	15-AUG-2015 15:45	15-AUG-2015 16:15	15-AUG-2015 17:45
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	HK1530454-001	HK1530454-002	HK1530454-003	HK1530454-004
				9.7	9.6	9.4	9.6
				24.6	14.5	10.9	13.2
							13.8



Page Number : 4 of 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

Compound	CAS Number		Client sampling date / time		ASH BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
	LOR	Unit	LOR	Unit					
Sub-Matrix: SOLID									
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	---	0.1	pH Unit	9.6	10.6	10.5	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	---	---	0.1	%	16.5	20.6	24.1	22.7	23.2



Page Number : 5 of 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

Sub-Matrix: SOLID

Compound	CAS Number		Client sampling date / time		Client sample ID	
	LOR	Unit	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
EA002: pH Value	---	0.1	15-AUG-2015 17:30	[16-AUG-2015]	[16-AUG-2015]	16-AUG-2015 08:55
EA055: Moisture Content (dried @ 103°C)	---	0.1	HK1530454-011	HK1530454-012	HK1530454-013	HK1530454-014
EAFED: Physical and Aggregate Properties						
			10.8	10.8	10.8	10.8
			33.5	28.3	31.0	19.1
						30.6



Page Number : 6 of 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

Compound	CAS Number	Client sampling date / time		Client sample ID	
		LOR	Unit	RESIDUE BE	RESIDUE BE
EA002: pH Value	--	0.1	pH Unit	16-AUG-2015 09:40	16-AUG-2015 12:15
EA065: Moisture Content (dried @ 103°C)	--	0.1	%	16-AUG-2015 10:20	16-AUG-2015 11:10
				HK1530454-016	HK1530454-018
				10.8	10.9
				27.2	28.7
				10.9	10.9
				28.7	30.0
				10.9	28.7
				10.9	28.7



Sub-Matrix: TCLP LEACHATE			Client sample ID						
Compound	CAS Number	LOR	Client sampling date / time	ASH BE	ASH BE	ASH BE	ASH BE	ASH BE	ASH BE
			Unit	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00
				HK1530454-001	HK1530454-002	HK1530454-003	HK1530454-004	HK1530454-005	
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	7440-43-8	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	1	2	2	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 Number									
				1	1	1	1	1	1



Page Number : 9 of 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	[16-AUG-2015]	[16-AUG-2015]	[16-AUG-2015]	[16-AUG-2015]	16-AUG-2015 12:00
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-38-0	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	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00
					HK1530454-016	HK1530454-017	HK1530454-018
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-38-0	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	7440-43-8	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	1	1	1
EG020: Lead	7438-92-1	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	7440-31-5	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	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number					1	2	2



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4003090)								
HK1530454-001	ASH BE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.6	24.3	1.2
HK1530454-011	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	33.5	33.4	0.4
EA/ED: Physical and Aggregate Properties (QC Lot: 4003095)								
HK1530454-001	ASH BE	EA002: pH Value	---	0.1	pH Unit	9.7	9.7	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	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4003740)														
EG020: Antimony	7440-38-0	1	mg/L	<1	1 mg/L	91.4	76	118	---	76	118	---	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.1	72	124	---	72	124	---	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	101	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	96.5	79	117	---	79	117	---	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	109	78	120	---	78	120	---	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.6	78	118	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	93.7	79	115	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	90.5	76	120	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	78	120	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	100	81	119	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	96.1	76	114	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	90.1	81	113	---	81	113	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	99.9	79	119	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	110	78	124	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	98.7	70	130	---	70	130	---	---	---



Page Number : 12 of 12
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530454

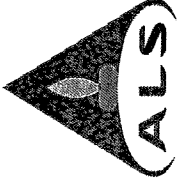
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	RPD (%)
					Value	High	Low	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4003740)									
HK1530454-001	ASH BE	EG020: Antimony	7440-36-0	1 mg/L	97.8	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	100	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	103	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	122	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	98.4	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	122	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	91.8	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	93.4	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	85.6	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	105	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	109	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	92.8	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	86.4	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	102	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	112	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	90.8	---	75	125	---

Matrix: WATER

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : VW-VES(HK) LTD
Contact : MS JENNIFER CHAN
Address : UNIT 7601,
THE CENTER,
99 QUEEN'S ROAD CENTRAL HONG KONG
E-mail : jennifer.chan@veolia.com
Telephone : +852 2910 9709
Facsimile : +852 2430 8011
Project :
Order number :
C-O-C number :
Site :

Laboratory : ALS Technichem (HK) Pty Ltd
Contact : Fung Lim Chee, Richard
Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing
Yip Street, Kwai Chung, N.T., Hong Kong
E-mail : Richard.Fung@alsglobal.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number :
Date Samples Received : 19-AUG-2015
Issue Date : 21-AUG-2015
No. of samples received : 13
No. of samples analysed : 13

Page : 1 of 10

Work Order : HK1530865

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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

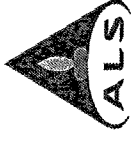
Position

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 10
Client : VW-VES(HK) LTD
Work Order : HK1530865

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-AUG-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: **HK1530865**

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 10
 Client : VW-VES(HK) LTD
 Work Order : HK1530865

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		ASH AF	ASH AF	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	17-AUG-2015 16:45	HK1530865-001	17-AUG-2015 17:05	HK1530865-002	[17-AUG-2015]	17-AUG-2015 10:15	17-AUG-2015 11:15
EA055: Moisture Content (dried @ 103°C)	---	0.1						HK1530865-003	HK1530865-004
					10.1	10.4	10.8	10.8	10.8
					19.4	31.2	27.9	28.7	25.2

EA002: pH Value

EA055: Moisture Content (dried @

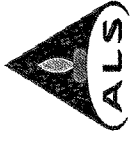
103°C)



Page Number : 4 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1530865

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AF
			17-AUG-2015 12:15	17-AUG-2015 13:00	17-AUG-2015 14:40	18-AUG-2015 09:30
			HK1530865-006	HK1530865-007	HK1530865-008	HK1530865-010
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	--	0.1	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	--	0.1	24.4	26.6	24.4	25.6



Page Number : 5 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1530865

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit			
EA002: pH Value	---	0.1	18-AUG-2015 11:00	HK1530865-011	10.8	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	18-AUG-2015 13:05	HK1530865-012	23.9	26.4	23.6
			18-AUG-2015 14:30	HK1530865-013			

EA/ED: Physical and Aggregate Properties



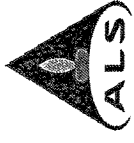
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sampling date / time		Unit	Client sample ID				
		LOR	1		2	3	4	5	
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	1	ng/kg	17-AUG-2015 12:00 HK1530865-001	17-AUG-2015 12:00 HK1530865-002	17-AUG-2015 [17-AUG-2015] HK1530865-003	17-AUG-2015 12:00 HK1530865-004	17-AUG-2015 12:00 HK1530865-005
EG020: Arsenic	7440-38-2	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-8	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7762-48-2	0.2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	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	CAS Number	LOR	Client sampling date / time		Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF
			17-AUG-2015 12:00	17-AUG-2015 12:00	17-AUG-2015 12:00	17-AUG-2015 12:00			
E-G: 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



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sample ID	Unit			
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1			<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1
EG020: Cadmium	7440-43-8	1			<1	<1	<1
EG020: Chromium	7440-47-3	1			<1	<1	<1
EG020: Copper	7440-50-8	1			<1	<1	<1
EG020: Lead	7439-92-1	1			<1	<1	<1
EG020: Mercury	7439-97-6	0.2			<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1			<1	<1	<1
EG020: Selenium	7782-49-2	0.2			<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1			<1	<1	<1
EG020: Thallium	7440-28-0	1			<1	<1	<1
EG020: Tin	7440-31-5	1			<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number					1	1	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: 4004989)									
HK1530865-001	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	19.4	20.0	3.1
HK1530865-011	RESIDUE AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	23.9	23.3	2.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4004992)									
HK1530865-001	ASH AF		EA002: pH Value		0.1	pH Unit	10.1	10.1	0.0

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

Matrix: WATER																
Method: Compound																
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration			Spike Recovery (%)			Recovery Limits (%)			Value	Control Limit	RPD (%)
					LCS	DCS	DCS	LCS	DCS	DCS	Low	High	High			
EG: Metals and Major Cations - Filtered (QC Lot: 4005547)																
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	90.6	—	—	76	118	—	—	—	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	—	72	124	—	—	—	—	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	101	—	—	80	120	—	—	—	—	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	92.7	—	—	74	122	—	—	—	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	108	—	—	79	117	—	—	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	93.4	—	—	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	99.9	—	—	79	115	—	—	—	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	91.0	—	—	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	110	—	—	81	119	—	—	—	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	93.9	—	—	76	114	—	—	—	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	95.7	—	—	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	96.8	—	—	78	124	—	—	—	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	89.2	—	—	70	130	—	—	—	—	—	—



Page Number : 10 of 10
 Client : VW-VES(HK) LTD
 Work Order : HK1530865

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

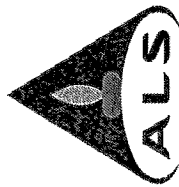
Matrix: WATER

Laboratory Sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	RPD (%)	
				Value	High	Low	High	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 400547) HK1530865-001 ASH AF		EG020: Antimony	7440-36-0	1 mg/L	96.6	75	125	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	107	75	125	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	102	75	125	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	87.1	75	125	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	109	75	125	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	95.2	75	125	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	100	75	125	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	97.8	75	125	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	87.3	75	125	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	102	75	125	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	113	75	125	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	98.6	75	125	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	94.6	75	125	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	106	75	125	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	103	75	125	125	---	---
	EG020: Zinc	7440-66-6	1 mg/L	89.0	75	125	125	---	---	

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 13
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1530867
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	Date Samples Received	: 19-AUG-2015
Telephone	: +852 2910 9709	Telephone	: +852 2610 1044	Issue Date	: 21-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	No. of samples received	: 19
Project	: *****	Quote number	: *****	No. of samples analysed	: 19
Order number	: *****				
C-O-C number	: *****				
Site	: *****				

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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 Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 13
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order HK1530867

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-AUG-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: **HK1530867**

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 13
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530867

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	Client sampling date / time		Client sample ID	
		LOR	Unit	RESIDUE BE	RESIDUE BE
EA002: pH Value	—	0.1	pH Unit	16-AUG-2015 07:30	16-AUG-2015 09:20
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	16-AUG-2015 08:40	16-AUG-2015 09:50
				HK1530867-001	HK1530867-003
				11.0	11.0
				23.5	24.6
				10.9	10.9
				27.0	25.9
				11.0	11.0
				16-AUG-2015 10:10	16-AUG-2015 10:10
				HK1530867-005	HK1530867-005



Page Number : 4 of 13
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530867

Compound	CAS Number	Client sampling date / time		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
		LOR	Unit				
EA/ED: Physical and Aggregate Properties				16-AUG-2015 13:10	16-AUG-2015 13:50	16-AUG-2015 14:40	17-AUG-2015 07:40
EA002: pH Value	—	0.1	pH Unit	HK1530867-006	HK1530867-007	HK1530867-008	HK1530867-010
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	10.9	10.9	10.9	10.9
				23.4	23.9	22.8	23.3
							30.4

Sub-Matrix: SOLID



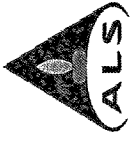
Page Number : 5 of 13
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530867

Compound	CAS Number	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
		LOR	Unit					
EAJED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.9	10.9	10.8	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.3	26.2	27.4	26.9	27.8



Page Number : 6 of 13
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530867

Compound	CAS Number	Client sampling date / time		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
		LOR	Unit				
Sub-Matrix: SOLID							
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	---	0.1	pH Unit	10.9	10.9	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.2	29.8	26.7	23.7
				18-AUG-2015 14:20	18-AUG-2015 14:50	18-AUG-2015 15:45	18-AUG-2015 17:15
				HK1530867-016	HK1530867-017	HK1530867-018	HK1530867-019



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00	16-AUG-2015 12:00
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	<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	7782-48-2	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	1	1



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	
			Client sampling date / time	Unit						
Sub-Matrix: TCLP LEACHATE										
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	16-AUG-2015 12:00	mg/kg	HK1530867-006	16-AUG-2015 12:00	HK1530867-007	16-AUG-2015 12:00	HK1530867-008	17-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Barium	7440-39-3	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Cadmium	7440-43-9	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Chromium	7440-47-3	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Copper	7440-50-8	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Lead	7439-92-1	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Mercury	7439-97-6	0.2	16-AUG-2015 12:00	mg/kg	<0.2	16-AUG-2015 12:00	<0.2	16-AUG-2015 12:00	<0.2	17-AUG-2015 12:00
EG020: Nickel	7440-02-0	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Selenium	7782-49-2	0.2	16-AUG-2015 12:00	mg/kg	<0.2	16-AUG-2015 12:00	<0.2	16-AUG-2015 12:00	<0.2	17-AUG-2015 12:00
EG020: Silver	7440-22-4	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Thallium	7440-28-0	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Tin	7440-31-5	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Vanadium	7440-62-2	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
EG020: Zinc	7440-66-6	1	16-AUG-2015 12:00	mg/kg	<1	16-AUG-2015 12:00	<1	16-AUG-2015 12:00	<1	17-AUG-2015 12:00
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
			2		2	2	2	2	2	2



Sub-Matrix: TCPL LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	
Compound	CAS Number	LOR	Client sampling date / time	Unit	18-AUG-2015 12:00	18-AUG-2015 12:00	18-AUG-2015 12:00	18-AUG-2015 12:00	
					HK1530867-011	HK1530867-012	HK1530867-013	HK1530867-014	
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									
					2	2	2	1	2



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Unit	Unit				
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	<1	18-AUG-2015 12:00	HK1530867-019
EG020: Arsenic	7440-38-2	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Barium	7440-39-3	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	<1	18-AUG-2015 12:00	HK1530867-019
EG020: Beryllium	7440-41-7	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Cadmium	7440-43-9	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	<1	18-AUG-2015 12:00	HK1530867-019
EG020: Chromium	7440-47-3	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Copper	7440-50-8	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	1	18-AUG-2015 12:00	HK1530867-019
EG020: Lead	7439-92-1	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Mercury	7439-97-6	0.2	mg/kg	18-AUG-2015 12:00	HK1530867-016	<0.2	18-AUG-2015 12:00	HK1530867-019
EG020: Nickel	7440-02-0	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Selenium	7782-49-2	0.2	mg/kg	18-AUG-2015 12:00	HK1530867-016	<0.2	18-AUG-2015 12:00	HK1530867-019
EG020: Silver	7440-22-4	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Thallium	7440-28-0	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	<1	18-AUG-2015 12:00	HK1530867-019
EG020: Tin	7440-31-5	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
EG020: Vanadium	7440-62-2	1	mg/kg	18-AUG-2015 12:00	HK1530867-016	<1	18-AUG-2015 12:00	HK1530867-019
EG020: Zinc	7440-66-6	1	mg/kg	18-AUG-2015 12:00	HK1530867-017	<1	18-AUG-2015 12:00	HK1530867-018
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
						2		2



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report			RPD (%)	
				LOR	Unit	Duplicate Result		
EA/ED: Physical and Aggregate Properties (QC Lot: 4004989)								
HK1530865-001	Anonymous	EA056: Moisture Content (dried @ 103°C)	—	0.1	%	19.4	20.0	3.1
HK1530865-011	Anonymous	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	23.9	23.3	2.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4004990)								
HK1530867-008	RESIDUE BE	EA056: Moisture Content (dried @ 103°C)	—	0.1	%	22.8	22.4	1.8
HK1530867-018	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	26.7	26.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4004992)								
HK1530865-001	Anonymous	EA002: pH Value	—	0.1	pH Unit	10.1	10.1	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4004993)								
HK1530867-008	RESIDUE BE	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	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 (%)	Value	Control Limit	
Matrix: WATER												
EG: Metals and Major Cations - Filtered (QC Lot: 4005547)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	90.6	—	—	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	—	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	101	—	—	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	92.7	—	—	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	108	—	—	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	93.4	—	—	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	99.9	—	—	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	91.0	—	—	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	110	—	—	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	93.9	—	—	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	95.7	—	—	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	96.8	—	—	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	89.2	—	—	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4005548)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	89.5	—	—	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	—	72	124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	98.5	—	—	80	120	—	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	99.7	—	—	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	106	—	—	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	95.5	—	—	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	98.3	—	—	78	118	—	—



Page Number : 12 of 13
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1530867

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (DCS) Report							
Matrix	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
Method: Compound											
EG: Metals and Major Cations - Filtered (QC Lot: 4005548) - Continued											
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	93.2	---	79 115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.9	---	76 120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	99.0	---	78 120	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	104	---	81 119	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	94.5	---	76 114	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	88.6	---	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	100	---	78 124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	91.8	---	70 130	---	---	---



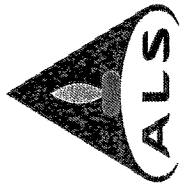
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
				Value	High	Low	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 4005547)									
HK1530865-001	Anonymous	EG020: Antimony	7440-36-0	1 mg/L	96.6	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	107	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	102	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	87.1	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	109	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	95.2	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	100	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	97.8	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	87.3	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	102	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	113	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	98.6	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	94.6	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	106	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	103	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	89.0	—	75	125	—
EG: Metals and Major Cations - Filtered (QC Lot: 4005548)									
HK1530867-008	RESIDUE BE	EG020: Antimony	7440-36-0	1 mg/L	114	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	100	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	99.5	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	102	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	105	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	101	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	85.7	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	97.1	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	85.0	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	98.2	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	115	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	83.9	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	91.3	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	102	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	100	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	90.2	—	75	125	—

Matrix: WATER

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 24
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1531266
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 21-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 25-AUG-2015
Project	: ----	Quote number	: ----	No. of samples received	: 45
Order number	: ----			No. of samples analysed	: 45
C-O-C number	: ----				
Site	: ----				

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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 Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 24
Client : VW-VES(HK) LTD
Work Order : HK1531266

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: 22-AUG-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: **HK1531266**

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 : 4 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	CAS Number	Client sample ID		ASH AF	ASH A MIDDLE	RESIDUE AF	RESIDUE AF	RESIDUE AF
		LOR	Client sampling date / time					
EA002: pH Value	---	0.1	19-AUG-2015 14:35	9.8	10.1	10.9	10.7	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	19-AUG-2015 15:00	19.7	29.6	28.3	24.3	28.7
EA055: Physical and Aggregate Properties HK1531266-006 HK1531266-007 HK1531266-008 HK1531266-009 HK1531266-010								

Sub-Matrix: SOLID



Page Number : 6 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
			19-AUG-2015 17:10	HK1531266-016	19-AUG-2015 16:15	19-AUG-2015 18:05	19-AUG-2015 09:45	19-AUG-2015 11:05	
					HK1531266-017	HK1531266-018	HK1531266-019	HK1531266-020	
Sub-Matrix: SOLID									
EATED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1	10.8		10.8	10.8	10.9	10.9	
EA055: Moisture Content (dried @ 103°C)	--	0.1	27.6		28.0	27.2	22.7	21.2	



Page Number : 7 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	CAS Number	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	ASH BF	ASH BF
		LOR	Client sampling date / time						
EA/ED: Physical and Aggregate Properties				19-AUG-2015 13:10	19-AUG-2015 14:30	19-AUG-2015 15:40	19-AUG-2015 15:40	[20-AUG-2015]	[20-AUG-2015]
EA002: pH Value	—	0.1	pH Unit	HK1531266-021	HK1531266-022	HK1531266-023	HK1531266-023	HK1531266-024	HK1531266-025
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	10.9	10.8	10.9	10.9	10.0	10.0
				16.5	23.2	27.7	27.7	11.5	27.1

Sub-Matrix: SOLID



Page Number : 8 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

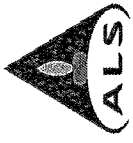
Compound	Sub-Matrix: SOLID		Client sample ID				RESIDUE AF
	CAS Number	LOR	Client sampling date / time	Unit	ASH BF	ASH BF	
EA002: pH Value	---	0.1	20-AUG-2015 15:15	Unit	20-AUG-2015 16:00	20-AUG-2015 16:45	[20-AUG-2015]
EA055: Moisture Content (dried @ 103°C)	---	0.1	20-AUG-2015 15:15	pH Unit	20-AUG-2015 16:00	20-AUG-2015 16:45	20-AUG-2015 17:45
				%	9.8	11.0	12.4
					27.6	28.3	18.8
							10.8
							26.4

EA002: pH Value
 EA055: Moisture Content (dried @ 103°C)



Page Number : 9 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	CAS Number	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
		LOR	Unit				
				[20-AUG-2015]	20-AUG-2015 08:10	20-AUG-2015 09:10	20-AUG-2015 10:00
				HK1531266-031	HK1531266-032	HK1531266-033	HK1531266-034
Sub-Matrix: SOLID							
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	--	0.1	pH Unit	10.7	10.7	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	30.3	25.0	28.0	26.0



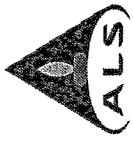
Page Number : 10 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	Sub-Matrix: SOLID	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
		CAS Number	Client sampling date / time					
EA/ED: Physical and Aggregate Properties				HK1531266-036	HK1531266-037	HK1531266-038	HK1531266-039	HK1531266-040
EA002: pH Value		--	0.1	10.8	10.9	10.8	10.9	10.8
EA055: Moisture Content (dried @ 103°C)		--	0.1	25.3	26.2	26.8	26.4	25.9



Page Number : 11 of 24
 Client : WM-VES(HK) LTD
 Work Order : HK1531266

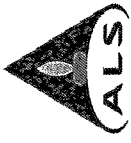
Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit				
EA002: pH Value	---	0.1	20-AUG-2015 09:00	HK1531266-041	20-AUG-2015 10:10	20-AUG-2015 11:30	20-AUG-2015 13:20	20-AUG-2015 14:30
EA056: Moisture Content (dried @ 103°C)	---	0.1			10.8	10.8	10.9	10.9
					21.5	26.7	26.4	25.1
EA/ED: Physical and Aggregate Properties								



Page Number : 12 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling data / time		Client sample ID			
			Unit	19-AUG-2015 12:00	ASH AF	ASH AF	ASH AF	ASH AF
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Arsenic	7440-38-2	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Barium	7440-39-3	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Beryllium	7440-41-7	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Cadmium	7440-43-9	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Chromium	7440-47-3	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Copper	7440-50-8	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Lead	7439-92-1	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Nickel	7440-02-0	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Silver	7440-22-4	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Thallium	7440-28-0	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Tin	7440-31-6	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Vanadium	7440-62-2	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
EG020: Zinc	7440-66-6	1	mg/kg	<1	19-AUG-2015 12:00	ASH AF	19-AUG-2015 12:00	ASH AF
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				1	1	1	1	1



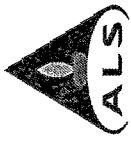
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling data / time		ASH AF 19-AUG-2015 12:00 HK1531266-006	ASH A MIDDLE 19-AUG-2015 12:00 HK1531266-007	RESIDUE AF 19-AUG-2015 12:00 HK1531266-008	RESIDUE AF 19-AUG-2015 12:00 HK1531266-009	RESIDUE AF 19-AUG-2015 12:00 HK1531266-010
			Client sample ID	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	7440-43-8	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	1	1



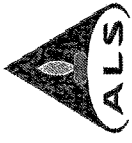
Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF			
			Unit	19-AUG-2015 12:00	19-AUG-2015 12:00	19-AUG-2015 12:00	19-AUG-2015 12:00	19-AUG-2015 12:00
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	<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	1	1



Page Number : 15 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
			Client sample ID	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		19-AUG-2015 12:00	<1	HK1531266-016	19-AUG-2015 12:00	<1	19-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1		19-AUG-2015 12:00	<1	HK1531266-017	19-AUG-2015 12:00	<1	HK1531266-019
EG020: Barium	7440-39-3	1		19-AUG-2015 12:00	<1	HK1531266-018	19-AUG-2015 12:00	<1	HK1531266-020
EG020: Beryllium	7440-41-7	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Cadmium	7440-43-9	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Chromium	7440-47-3	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Copper	7440-50-8	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Lead	7439-92-1	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Mercury	7439-97-6	0.2		19-AUG-2015 12:00	<0.2		19-AUG-2015 12:00	<0.2	
EG020: Nickel	7440-02-0	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Selenium	7782-49-2	0.2		19-AUG-2015 12:00	<0.2		19-AUG-2015 12:00	<0.2	
EG020: Silver	7440-22-4	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Thallium	7440-28-0	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Tin	7440-31-5	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Vanadium	7440-52-2	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
EG020: Zinc	7440-66-6	1		19-AUG-2015 12:00	<1		19-AUG-2015 12:00	<1	
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1		1	1	1



Sub-Matrix: TCLP LEACHATE

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



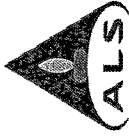
Page Number : 17 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID		ASH BF	ASH BF	ASH BF	RESIDUE AF
			19-AUG-2015 12:00	19-AUG-2015 12:00	19-AUG-2015 12:00	19-AUG-2015 12:00				
			Unit	HK1531266-026	HK1531266-027	HK1531266-028	HK1531266-029	HK1531266-030		
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	1	<1	<1	4	<1	<1	<1
EG020: Lead	7439-92-1	1	mg/kg	<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
EG020: Nickel	7440-02-0	1	mg/kg	<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
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-52-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	<1	<1	1	<1	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
				1	1	1	1	1	2	1



Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF [19-AUG-2015] HK1531266-031	RESIDUE AF 19-AUG-2015 12:00 HK1531266-032	RESIDUE AF 19-AUG-2015 12:00 HK1531266-033	RESIDUE AF 19-AUG-2015 12:00 HK1531266-034	RESIDUE AF 19-AUG-2015 12:00 HK1531266-035
			Unit	Client sample ID					
Sub-Matrix: TCLP LEACHATE									
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	<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	7440-52-2	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	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Arsenic	7440-38-2	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Barium	7440-39-3	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Beryllium	7440-41-7	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Cadmium	7440-43-9	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Chromium	7440-47-3	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Copper	7440-50-8	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Lead	7439-92-1	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	19-AUG-2015 12:00	HK1531266-036	<0.2	19-AUG-2015 12:00	HK1531266-038	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	19-AUG-2015 12:00	HK1531266-036	<0.2	19-AUG-2015 12:00	HK1531266-038	<0.2
EG020: Silver	7440-22-4	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Thallium	7440-28-0	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Tin	7440-31-5	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Vanadium	7440-62-2	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
EG020: Zinc	7440-66-6	1	mg/kg	19-AUG-2015 12:00	HK1531266-036	<1	19-AUG-2015 12:00	HK1531266-038	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
				1		1		1	1



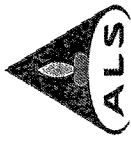
Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report				
			LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAJED: Physical and Aggregate Properties (QC Lot: 4006823)							
HK1531266-001	ASH AF	EA056: Moisture Content (dried @ 103°C)	0.1	%	17.5	17.4	0.7
HK1531266-011	RESIDUE AF	EA056: Moisture Content (dried @ 103°C)	0.1	%	26.7	27.2	1.7
EAJED: Physical and Aggregate Properties (QC Lot: 4006824)							
HK1531266-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	0.1	%	16.5	16.4	0.7
HK1531266-031	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	0.1	%	30.3	30.2	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4006825)							
HK1531266-041	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	0.1	%	21.5	21.5	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4006827)							
HK1531266-001	ASH AF	EA002: pH Value	0.1	pH Unit	9.8	9.8	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4006828)							
HK1531266-021	RESIDUE BF	EA002: pH Value	0.1	pH Unit	10.9	10.9	0.0
EAJED: Physical and Aggregate Properties (QC Lot: 4006829)							
HK1531266-041	RESIDUE BF	EA002: pH Value	0.1	pH Unit	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	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 4007330)											
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	107	72	124	---	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	101	80	120	---	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	107	74	122	---	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101	79	117	---	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	100	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	108	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	102	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.6	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	97.4	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	99.0	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	93.2	70	130	---	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4007331)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	93.0	76	118	---	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	104	72	124	---	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	94.4	80	120	---	---	---

Matrix: WATER

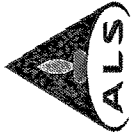


Matrix: WATER

Method Blank (MB) Report

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: 4007331) - Continued											
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	107	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.6	---	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	97.2	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	103	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	107	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	94.9	---	78	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	91.3	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	101	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	97.5	---	70	130	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4007332)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.7	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	115	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	96.7	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	107	---	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	113	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	106	---	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	93.7	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	103	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	95.2	---	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	96.5	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	112	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	105	---	70	130	---	---



Page Number : 23 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

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	Low	High	Value	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4007330)									
HK1531266-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	102	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	107	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	95.9	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	103	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	99.6	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	102	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	104	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	105	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	93.8	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	101	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	111	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	96.6	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	101	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	96.3	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	105	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	81.4	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4007331)									
HK1531266-021	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	105	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	118	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	98.3	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	116	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	102	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	112	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	99.8	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	102	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	102	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	103	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	109	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	94.9	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	99.1	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	97.4	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	116	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	101	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4007332)									
HK1531266-041	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	120	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	112	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	93.8	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	108	---	75	125	---



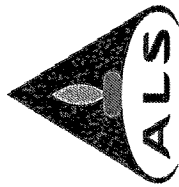
Page Number : 24 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531266

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 (%) Low High	Value	RPD (%) Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4007332) - Continued										
HK1531266-041	RESIDUE BF	EG020: Cadmium	7440-43-9	1 mg/L	99.3	---	75 125	---	---	---
		EG020: Chromium	7440-47-3	1 mg/L	114	---	75 125	---	---	---
		EG020: Copper	7440-50-8	1 mg/L	104	---	75 125	---	---	---
		EG020: Lead	7439-92-1	1 mg/L	101	---	75 125	---	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	101	---	75 125	---	---	---
		EG020: Nickel	7440-02-0	1 mg/L	103	---	75 125	---	---	---
		EG020: Selenium	7782-49-2	1 mg/L	122	---	75 125	---	---	---
		EG020: Silver	7440-22-4	1 mg/L	99.4	---	75 125	---	---	---
		EG020: Thallium	7440-28-0	1 mg/L	97.2	---	75 125	---	---	---
		EG020: Tin	7440-31-5	1 mg/L	93.5	---	75 125	---	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	115	---	75 125	---	---	---
		EG020: Zinc	7440-66-6	1 mg/L	103	---	75 125	---	---	---

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 21
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1531562
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 24-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 27-AUG-2015
Project	: *****	Quote number	: *****	No. of samples received	: 37
Order number	: *****			No. of samples analysed	: 37
C-O-C number	: *****				
Site	: *****				

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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 21
Client : VW-VES(HK) LTD
Work Order : HK1531562

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: 25-AUG-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: **HK1531562**

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 : HK1531562

Analytical Results

Sub-Matrix: SOLID

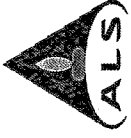
Compound	CAS Number	LOR	Client sample ID		ASH AE	ASH AF	ASH AF	ASH BF	RESIDUE AE
			Client sampling date / time	Unit					
			22-AUG-2015 08:45	21-AUG-2015 11:20	21-AUG-2015 09:30	21-AUG-2015 11:20	22-AUG-2015 07:30	23-AUG-2015 13:00	
			HK1531562-001	HK1531562-003	HK1531562-002	HK1531562-003	HK1531562-004	HK1531562-005	
EA/ED: Physical and Aggregate Properties									
EA002: pH Value		0.1	9.6	9.7	9.7	9.9	9.7	10.9	
EA055: Moisture Content (dried @ 103°C)		0.1	9.6	26.1	26.1	31.7	9.7	28.2	



Page Number : 4 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
EAJED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1			10.8	10.9	10.9	10.8	11.0
EA055: Moisture Content (dried @ 103°C)	--	0.1			27.3	24.7	27.1	25.1	11.1



Page Number : 5 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE BF
			Client sampling date / time	Unit					
			23-AUG-2015 16:05	HK1531562-011	23-AUG-2015 16:40	23-AUG-2015 17:30	23-AUG-2015 18:27	21-AUG-2015 07:30	
					10.9	11.0	11.0	10.9	
		0.1			29.4	28.7	30.1	29.7	
		0.1							
EA1ED: Physical and Aggregate Properties									
EA002: pH Value									
EA056: Moisture Content (dried @ 103°C)									



Page Number : 6 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
		LOR	Unit				
EA/ED: Physical and Aggregate Properties				21-AUG-2015 08:30	21-AUG-2015 09:00	21-AUG-2015 09:50	21-AUG-2015 11:00
EA002: pH Value	--	0.1	pH Unit	HK1531562-016	HK1531562-017	HK1531562-018	HK1531562-019
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	11.0	10.8	11.0	10.9
				27.5	24.7	27.0	30.5
							10.9
							30.3

Sub-Matrix: SOLID



Page Number : 7 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	RESIDUE BF	RESIDUE BF	RESIDUE BF
			21-AUG-2015 12:45	21-AUG-2015 13:30	21-AUG-2015 14:10	21-AUG-2015 15:10
			HK1531562-021	HK1531562-022	HK1531562-023	HK1531562-024
			10.9	10.9	10.9	10.9
			24.9	14.1	11.9	24.6
			10.9	10.9	10.9	10.8
			0.1	10.9	11.9	23.9
			0.1	14.1	11.9	24.6
EAJED: Physical and Aggregate Properties						
EA002: pH Value						
EA055: Moisture Content (dried @ 103°C)						



Page Number : 8 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
EAJED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	21-AUG-2015 17:00	Unit	21-AUG-2015 16:30	21-AUG-2015 18:00	22-AUG-2015	22-AUG-2015	
EA055: Moisture Content (dried @ 103°C)	---	0.1	HK1531562-026		HK1531562-027	HK1531562-028	HK1531562-029	HK1531562-030	
			10.8	pH Unit	10.7	10.8	10.9	10.8	
			29.7	%	21.0	21.9	27.6	26.2	

Sub-Matrix: SOLID



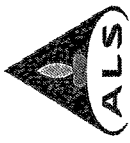
Page Number : 9 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	Unit				
Sub-Matrix: SOLID								
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit		10.9	10.9	10.9	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		23.4	22.6	23.7	21.6
					HK1531562-031	HK1531562-032	HK1531562-033	HK1531562-034
					[22-AUG-2015]	22-AUG-2015 08:05	22-AUG-2015 11:50	22-AUG-2015 14:20
								22-AUG-2015 15:15



Page Number : 10 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	Unit
Sub-Matrix: SOLID				
			RESIDUE BF	RESIDUE BF
			22-AUG-2015 16:00	22-AUG-2015 17:15
			HK1531562-036	HK1531562-037
EA/ED: Physical and Aggregate Properties				
EA002: pH Value	—	0.1	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	—	0.1	27.2	23.2



Page Number : 11 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: TCLP LEACHATE

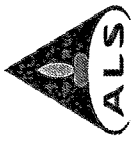
Compound	CAS Number	LOR	Client sample ID					RESIDUE AE
			Client sampling date / time	Unit	ASH AE	ASH AF	ASH BF	
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	<1	<1	<1	<1	<1	
EG020: Arsenic	7440-38-2	1	<1	<1	<1	<1	<1	
EG020: Barium	7440-39-3	1	<1	<1	<1	<1	<1	
EG020: Beryllium	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	2	



Page Number : 12 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID					
			RESIDUE AE 23-AUG-2015 13:40 HK1531562-006	RESIDUE AE 23-AUG-2015 14:10 HK1531562-007	RESIDUE AE 23-AUG-2015 14:50 HK1531562-008	RESIDUE AE 23-AUG-2015 15:20 HK1531562-009	RESIDUE AE 23-AUG-2015 15:30 HK1531562-010	
			Unit	Unit	Unit	Unit	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	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	7440-52-2	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	--	-	-	2	2	2	2	2



Page Number : 13 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: TCLP LEACHATE

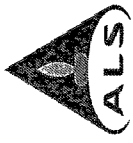
Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE BF
			Client sample ID	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	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	<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									
					2	2	2	2	2



Page Number : 14 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg	<1	21-AUG-2015 08:30	21-AUG-2015 09:50	21-AUG-2015 11:00	21-AUG-2015 12:00	HK1531562-020
EG020: Arsenic	7440-38-2	1	mg/kg	<1	HK1531562-016	HK1531562-018	HK1531562-019		
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									
				2	2	2	2	2	2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF								
			Client sample ID	Unit													
EG: Metals and Major Cations - Filtered																	
EG020: Antimony	7440-36-0	1		21-AUG-2015 12:45	HK1531562-021	<1	21-AUG-2015 13:30	HK1531562-022	<1	21-AUG-2015 14:10	HK1531562-023	<1	21-AUG-2015 15:10	HK1531562-024	<1	21-AUG-2015 15:50	HK1531562-025
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	7439-92-1	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	7440-31-5	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 Number																	
						2			2			2			2		2



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID				RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
				Client sampling date / time	Client sampling date / time	Client sampling date / time	Client sampling date / time				
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-36-0	1	mg/kg	21-AUG-2015 17:00	21-AUG-2015 16:30	21-AUG-2015 18:00	21-AUG-2015	21-AUG-2015	[22-AUG-2015]	HK1531562-030	
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	HK1531562-029	
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	HK1531562-028	
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	HK1531562-026	
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											
				2	2	2	2	2	2	2	



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	
			Unit	Time						Sample ID
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg	<1	22-AUG-2015 11:50	HK1531562-033	22-AUG-2015 14:20	HK1531562-034	22-AUG-2015 15:15	HK1531562-035
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										
				2		2		2		2



Page Number : 18 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BF	RESIDUE BF
Compound	CAS Number	LOR	Client sampling date / time	22-AUG-2015 16:00	22-AUG-2015 17:15
			Unit	HK1531562-036	HK1531562-037
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	<1	<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	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4008077)								
HK1531562-001	ASH AE	EA056: Moisture Content (dried @ 103°C)	---	0.1	%	9.6	9.7	1.1
HK1531562-011	RESIDUE AE	EA066: Moisture Content (dried @ 103°C)	---	0.1	%	29.4	29.5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4008078)								
HK1531562-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.9	25.6	2.6
HK1531562-031	RESIDUE BF	EA056: Moisture Content (dried @ 103°C)	---	0.1	%	23.4	23.7	1.2
EA/ED: Physical and Aggregate Properties (QC Lot: 4008080)								
HK1531562-001	ASH AE	EA002: pH Value	---	0.1	pH Unit	9.6	9.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4008081)								
HK1531562-021	RESIDUE BF	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	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value
EG: Metals and Major Cations - Filtered (QC Lot: 4008983)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.2	76	118	---	---
EG020: Arsenic	7440-36-2	1	mg/L	<1	1 mg/L	93.5	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	107	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	86.3	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	95.6	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.4	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	92.6	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	96.8	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	92.4	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	93.3	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	100	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	96.7	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	91.2	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	92.9	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	85.9	70	130	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4008984)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.4	76	118	---	---
EG020: Arsenic	7440-36-2	1	mg/L	<1	1 mg/L	99.0	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	103	74	122	---	---
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	105	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	105	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	101	78	118	---	---

Matrix: WATER



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 Client : VW-VES(HK) LTD
 Work Order : HK1531562

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
Matrix:	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
Method: Compound											
EG: Metals and Major Cations - Filtered (QC Lot: 4008984) - Continued											
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	93.6	---	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	101	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	101	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	96.7	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	110	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	107	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	95.9	---	70	130	---	---



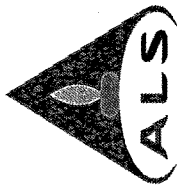
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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 (%)	
				Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 4008983)									
HK1531562-001	ASH AE	EG020: Antimony	7440-36-0	1 mg/L	97.3	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	99.8	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	112	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	92.9	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	105	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	97.1	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	81.4	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	100	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	98.9	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	101	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	105	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	98.0	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	96.1	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	106	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	103	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	80.6	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4008984)									
HK1531562-021	RESIDUE BF	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	106	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	94.4	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	101	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	96.4	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	98.6	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	96.0	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	102	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	121	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	84.3	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	90.9	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	105	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	107	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	99.9	---	75	125	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 11
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1531566
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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@aisglobal.com		
Telephone	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 24-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 26-AUG-2015
Project	: *****	Quote number	: *****	No. of samples received	: 12
Order number	: *****			No. of samples analysed	: 12
C-O-C number	: *****				
Site	: *****				

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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

Position

Authorised results for

Fung Lim Chee, Richard

General Manager

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 11
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1531566

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: 25-AUG-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: **HK1531566**

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 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531566

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID			
				Client sampling date / time	RESIDUE BE	RESIDUE BE	RESIDUE BE
EA002: pH Value	---	0.1	pH Unit	21-AUG-2015 18:20	23-AUG-2015 07:30	23-AUG-2015 08:20	23-AUG-2015 10:10
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	HK1531566-001	HK1531566-002	HK1531566-003	HK1531566-004
				9.9	10.7	10.8	10.6
				18.3	22.4	25.0	22.5



Page Number : 4 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531566

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	10.7	23.8	10.7	10.7	10.9	10.9	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	24.8	24.4	24.4	24.4	16.8	16.8	9.8
Sub-Matrix: SOLID									
EATED: Physical and Aggregate Properties									
RESIDUE BE 23-AUG-2015 10:40 HK1531566-006									
RESIDUE BE 23-AUG-2015 10:20 HK1531566-007									
RESIDUE BE 23-AUG-2015 11:20 HK1531566-008									
RESIDUE BE 23-AUG-2015 12:10 HK1531566-009									
RESIDUE BE 23-AUG-2015 12:45 HK1531566-010									



Page Number : 5 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531566

Compound	CAS Number	Client sampling date / time		Client sample ID
		LOR	Unit	
				ASH BE
				22-AUG-2015 18:30
				HK1531566-011
				ASH BE
				22-AUG-2015 13:00
				HK1531566-012
EA/ED: Physical and Aggregate Properties				
EA002: pH Value	---	0.1	pH Unit	10.4
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	14.1
				9.8
				12.6



Page Number : 6 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531566

Compound	CAS Number	LOR	Client sample ID		ASH BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			21-AUG-2015 18:20	23-AUG-2015 07:30	23-AUG-2015 08:20	23-AUG-2015 09:20	23-AUG-2015 10:10
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1	HK1531566-005
EG020: Barium	7440-39-3	1			<1	<1	<1	<1	HK1531566-004
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			2	1	1	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	7440-51-5	1			<1	<1	<1	<1	
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	
EG020: Zinc	7440-66-6	1			2	<1	<1	1	
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	2	2	2	2



Sub-Matrix: TCLP LEACHATE		Client sample ID		ASH BE	ASH BE
Compound	CAS Number	LOR	Unit	22-AUG-2015 18:30	22-AUG-2015 13:00
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	1	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					
				1	1



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: 4008078)									
HK1531562-021	Anonymous	EA055: Moisture Content (dried @ 103°C)		0.1	%	24.9	25.6	2.6	
HK1531562-031	Anonymous	EA055: Moisture Content (dried @ 103°C)		0.1	%	23.4	23.7	1.2	
EA/ED: Physical and Aggregate Properties (QC Lot: 4008079)									
HK1531566-004	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)		0.1	%	22.5	22.5	0.0	
EA/ED: Physical and Aggregate Properties (QC Lot: 4008081)									
HK1531562-021	Anonymous	EA002: pH Value		0.1	pH Unit	10.9	10.9	0.0	
EA/ED: Physical and Aggregate Properties (QC Lot: 4008082)									
HK1531566-004	RESIDUE BE	EA002: pH Value		0.1	pH Unit	10.6	10.6	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	Spike Recovery (%)		Recovery Limits (%)		Value	Control Limit	RPD (%)
						LCS	DCS	Low	High			
Method Blank (MB) Report												
EG: Metals and Major Cations - Filtered (QC Lot: 4008984)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.4	—	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.0	—	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	103	—	74	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	105	—	79	117	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	105	—	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	104	—	79	115	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	93.6	—	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	101	—	81	119	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	101	—	76	114	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	96.7	—	81	113	—	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	110	—	79	119	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	107	—	78	124	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	95.9	—	70	130	—	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4008985)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	90.8	—	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	100	—	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	102	—	74	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	99.5	—	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	103	—	78	118	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	103	—	79	115	—	—	—



Page Number : 10 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1631566

Matrix: WATER

Method: Compound				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4008985) - Continued											
EG020: Mercury	7439-97-6	0.1 mg/L	<0.1	0.02 mg/L	90.2	---	76	---	---	---	
EG020: Nickel	7440-02-0	1 mg/L	<1	1 mg/L	105	---	78	---	---	---	
EG020: Selenium	7782-49-2	0.2 mg/L	<0.2	1 mg/L	103	---	81	---	---	---	
EG020: Silver	7440-22-4	1 mg/L	<1	1 mg/L	105	---	76	---	---	---	
EG020: Thallium	7440-28-0	1 mg/L	<1	1 mg/L	97.2	---	81	---	---	---	
EG020: Tin	7440-31-5	1 mg/L	<1	1 mg/L	105	---	79	---	---	---	
EG020: Vanadium	7440-62-2	1 mg/L	<1	1 mg/L	113	---	78	---	---	---	
EG020: Zinc	7440-66-6	1 mg/L	<1	1 mg/L	99.8	---	70	---	---	---	



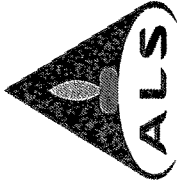
Page Number : 11 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531566

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 (%)	Value	RPD (%)	
				Low	High	Control Limit				
EG: Metals and Major Cations - Filtered (QC Lot: 4008984)										
HK1531562-021	Anonymous	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	106	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	94.4	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	101	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	96.4	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	98.6	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	96.0	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	102	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	121	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	84.3	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	90.9	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	105	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	107	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	99.9	---	75	125	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4008985)										
HK1531566-004	RESIDUE BE	EG020: Antimony	7440-36-0	1 mg/L	112	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	109	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	108	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	103	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	107	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	115	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	92.1	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	103	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	80.0	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	111	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	104	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	90.9	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	98.7	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	106	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	118	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	106	---	75	125	---	---

Matrix: WATER

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 24
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1531899
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 26-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 28-AUG-2015
Project	: ----	Quote number	: ----	No. of samples received	: 45
Order number	: ----			No. of samples analysed	: 45
C-O-C number	: ----				
Site	: ----				

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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

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 24
Client : VW-VES(HK) LTD
Work Order : HK1531899

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: 27-AUG-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: **HK1531899**

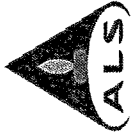
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 : 4 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Client sample ID		ASH BF	ASH BF	ASH BF	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
Sub-Matrix: SOLID			24-AUG-2015 09:33	24-AUG-2015 10:20	24-AUG-2015 09:33	24-AUG-2015 10:20	24-AUG-2015 10:20	[24-AUG-2015]	[24-AUG-2015]
			HK1531899-006	HK1531899-008	HK1531899-006	HK1531899-007	HK1531899-008	HK1531899-009	HK1531899-010
EA/ED: Physical and Aggregate Properties									
EA002: pH Value		0.1	9.8	10.2	9.8	10.2	9.8	10.9	10.8
EA055: Moisture Content (dried @ 103°C)		0.1	8.2	28.1	17.1	28.1	17.1	25.4	25.2



Page Number : 5 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	C-AS Number	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
		LOR	Unit					
Sub-Matrix: SOLID								
EA(ED): Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.9	10.9	11.0	10.8	
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	29.7	26.0	28.4	24.9	
				10.9	10.9	11.0	10.8	
				29.7	26.0	28.4	24.9	
				HK1531899-011	HK1531899-013	HK1531899-014	HK1531899-015	
				24-AUG-2015 08:50	24-AUG-2015 12:45	24-AUG-2015 13:08	24-AUG-2015 13:55	



Page Number : 6 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Sub-Matrix: SOLID	Client sample ID		RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
	CAS Number	Client sampling date / time					
Compound	LOR	Unit	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
EA002: pH Value	0.1	pH Unit	10.9	11.0	11.0	11.0	10.9
EA055: Moisture Content (dried @ 103°C)	0.1	%	24.4	31.3	24.9	24.5	23.7



Page Number : 7 of 24
 Client : VM-VES(HK) LTD
 Work Order : HK1531899

Compound	Client sample ID		Client sample date / time	Client sample ID	Client sample date / time	Client sample ID	Client sample date / time	Client sample ID	Client sample date / time
	CAS Number	LOF							
EA1ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1	pH Unit	10.4	10.0	9.9	10.1	10.0	10.0
EA055: Moisture Content (dried @ 103°C)	--	0.1	%	20.3	23.2	21.7	22.8	21.9	21.9



Page Number : 8 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number		Client sampling date / time		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE
	—	—	LOR	Unit	ASH AF	ASH AF			
EA002: pH Value	—	—	0.1	pH Unit	25-AUG-2015 16:50	25-AUG-2015 17:50	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	—	—	0.1	%	25-AUG-2015 16:50	25-AUG-2015 17:50	23.4	27.4	25.7



Page Number : 9 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit	25-AUG-2015 09:30	25-AUG-2015 10:00	25-AUG-2015 10:55	25-AUG-2015 11:20
EA1ED: Physical and Aggregate Properties			HK1531899-031	HK1531899-032	HK1531899-033	HK1531899-034	HK1531899-035	
EA002: pH Value	---	0.1	10.9	11.0	11.1	10.9	11.0	
EA055: Moisture Content (dried @ 103°C)	---	0.1	26.5	29.1	29.3	28.4	22.6	



Page Number : 10 of 24
 Client : VM-VES(HK) LTD
 Work Order : HK1531899

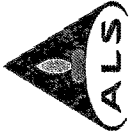
Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	
			Client sampling date / time	Unit	25-AUG-2015 12:20	25-AUG-2015 12:50	25-AUG-2015 13:15	25-AUG-2015 13:40	25-AUG-2015 14:10
EA1ED: Physical and Aggregate Properties					HK1531899-036	HK1531899-037	HK1531899-038	HK1531899-039	HK1531899-040
EA002: pH Value	---	0.1	pH Unit		11.0	11.2	11.0	10.9	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		28.7	17.1	29.2	26.6	23.8

Sub-Matrix: SOLID



Page Number : 12 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	Client sample ID		Client sampling date / time	Unit	Client sample ID				
	CAS Number	LOI			ASH AF	ASH AF	ASH AF	ASH AF	
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		mg/kg	24-AUG-2015 12:00 HK1531899-001	24-AUG-2015 12:00 HK1531899-002	24-AUG-2015 12:00 HK1531899-003	24-AUG-2015 12:00 HK1531899-004	24-AUG-2015 12:00 HK1531899-005
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	7440-52-2	1		mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		mg/kg	1	1	2	1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					1	1	1	1	1



Page Number : 13 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		ASH BF	ASH BF	ASH BF	RESIDUE AE	RESIDUE AE
			Unit	Unit					
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00	[24-AUG-2015]	[24-AUG-2015]
EG020: Arsenic	7440-38-2	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00	HK1531899-009	HK1531899-010
EG020: Barium	7440-39-3	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00	HK1531899-008	
EG020: Beryllium	7440-41-7	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Cadmium	7440-43-9	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Chromium	7440-47-3	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Copper	7440-50-8	1	2	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Lead	7439-92-1	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Mercury	7439-97-6	0.2	<0.2	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Nickel	7440-02-0	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Selenium	7782-49-2	0.2	<0.2	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Silver	7440-22-4	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Thallium	7440-28-0	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Tin	7440-31-5	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Vanadium	7440-62-2	1	<1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
EG020: Zinc	7440-66-6	1	1	mg/kg	24-AUG-2015 12:00	24-AUG-2015 12:00	24-AUG-2015 12:00		
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
			1		1	1	1	2	2



Compound	CAS Number	Client sampling date / time		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
		LOR	Unit	24-AUG-2015 12:00	24-AUG-2015 12:00					
Sub-Matrix: TCLP LEACHATE										
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	<1	<1	1	1	1	1	1
EG020: Lead	7439-92-1	1	mg/kg	<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
EG020: Nickel	7440-02-0	1	mg/kg	<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
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	<1	<1	<1	<1	<1	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
				2	2	2	2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sample ID	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	7440-52-2	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	2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	Client sample ID		Unit	Client sampling date / time				
	CAS Number	LOI		ASH AF	ASH AF	ASH AF	ASH AF	ASH AF
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	25-AUG-2015 12:00 HK1531899-021	25-AUG-2015 12:00 HK1531899-022	25-AUG-2015 12:00 HK1531899-023	25-AUG-2015 12:00 HK1531899-024	25-AUG-2015 12:00 HK1531899-025
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	7440-43-8	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	7440-51-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-52-2	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



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 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	RESIDUE AE							
			ASH AF	ASH AF		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE				
EG: Metals and Major Cations - Filtered													
EG020: Antimony	7440-38-0	1	<1	<1	HK1531899-026	25-AUG-2015 12:00	HK1531899-027	25-AUG-2015 12:00	HK1531899-028	25-AUG-2015 12:00	HK1531899-029	25-AUG-2015 12:00	HK1531899-030
EG020: Arsenic	7440-38-2	1	<1	<1									
EG020: Barium	7440-39-3	1	<1	<1									
EG020: Beryllium	7440-41-7	1	<1	<1									
EG020: Cadmium	7440-43-8	1	<1	<1									
EG020: Chromium	7440-47-3	1	<1	<1									
EG020: Copper	7440-50-8	1	2	1									
EG020: Lead	7439-92-1	1	<1	<1									
EG020: Mercury	7439-97-6	0.2	<0.2	<0.2									
EG020: Nickel	7440-02-0	1	<1	<1									
EG020: Selenium	7782-49-2	0.2	<0.2	<0.2									
EG020: Silver	7440-22-4	1	<1	<1									
EG020: Thallium	7440-28-0	1	<1	<1									
EG020: Tin	7440-31-5	1	<1	<1									
EG020: Vanadium	7440-52-2	1	<1	<1									
EG020: Zinc	7440-66-6	1	<1	<1									
Sample Preparation Method													
E-TCLP: Extraction Fluid Number													
			1	1			1		2		2		2



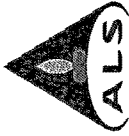
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 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	25-AUG-2015 12:00 HK1531899-031	25-AUG-2015 12:00 HK1531899-032	25-AUG-2015 12:00 HK1531899-033	25-AUG-2015 12:00 HK1531899-034	25-AUG-2015 12:00 HK1531899-035
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	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
				2	2	2	2	2



Page Number : 19 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		25-AUG-2015 12:00	<1	25-AUG-2015 12:00	25-AUG-2015 12:00	25-AUG-2015 12:00	25-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	mg/kg	HK1531899-036	<1	HK1531899-037	HK1531899-038	HK1531899-039	HK1531899-040
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	7440-43-8	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									
					2	2	2	2	2



Page Number : 20 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	
			RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF
			25-AUG-2015 12:00	25-AUG-2015 12:00	25-AUG-2015 12:00	25-AUG-2015 12:00
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	7440-43-8	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	7439-92-1	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	7440-31-5	1	<1	<1	<1	<1
EG020: Vanadium	7440-52-2	1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	<1	<1	<1	<1
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						
			2	2	2	2



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: 4009992)									
HK1531899-001	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	23.8	23.2	2.7
HK1531899-011	RESIDUE AE		EA055: Moisture Content (dried @ 103°C)		0.1	%	29.7	28.9	2.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4009993)									
HK1531899-021	ASH AF		EA055: Moisture Content (dried @ 103°C)		0.1	%	20.3	20.6	1.8
HK1531899-031	RESIDUE AE		EA055: Moisture Content (dried @ 103°C)		0.1	%	26.5	26.6	0.7
EA/ED: Physical and Aggregate Properties (QC Lot: 4009994)									
HK1531899-041	RESIDUE AE		EA055: Moisture Content (dried @ 103°C)		0.1	%	21.0	21.1	0.6
EA/ED: Physical and Aggregate Properties (QC Lot: 4009996)									
HK1531899-001	ASH AF		EA002: pH Value		0.1	pH Unit	9.7	9.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4009997)									
HK1531899-021	ASH AF		EA002: pH Value		0.1	pH Unit	10.4	10.5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4009998)									
HK1531899-041	RESIDUE AE		EA002: pH Value		0.1	pH Unit	10.8	10.8	0.0

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

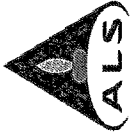
Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report											
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4010739)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	97.6			76	118			
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	111			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	113			74	122			
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101			79	117			
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	111			78	120			
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	105			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	96.0			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	112			81	119			
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	100			76	114			
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102			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	117			78	124			
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	109			70	130			
EG: Metals and Major Cations - Filtered (QC Lot: 4010740)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	90.0			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	103			80	120			



Method Blank (MB) Report

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

Method: Compound	Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)	
							Low	High	Value	
EG: Metals and Major Cations - Filtered (QC Lot: 4010740) - Continued										
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	106	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	99.8	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.3	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	102	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	100	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	96.8	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	108	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	98.0	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	106	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.1	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4010741)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	98.1	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	96.5	74	122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	99.0	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	106	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	110	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	104	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	111	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	116	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	104	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	109	79	119	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	115	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	107	70	130	—	—



Page Number : 23 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

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 (%)	
				Value	High	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4010739)									
HK1531899-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	94.4	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	109	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	100	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	103	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	100	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	95.2	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	98.2	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	109	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	105	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	112	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	95.6	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	95.5	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	102	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	114	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	85.7	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4010740)									
HK1531899-021	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	91.3	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	109	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	98.6	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	103	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	97.6	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	99.9	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	86.0	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	100	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	107	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	98.2	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	115	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	92.8	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	102	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	98.9	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	103	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	92.8	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4010741)									
HK1531899-041	RESIDUE AE	EG020: Antimony	7440-36-0	1 mg/L	114	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	101	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	99.6	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	95.1	---	75	125	---



Page Number : 24 of 24
 Client : VW-VES(HK) LTD
 Work Order : HK1531899

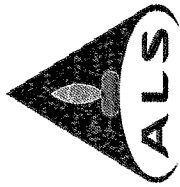
Matrix: WATER

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration		Spike Recovery (%)		Recovery Limits (%)			RPD (%)	
				MS	MSD	Low	High	Value	Control Limit			
EG: Metals and Major Cations - Filtered (QC Lot: 4010741) - Continued HK1531899-041 RESIDUE AE		EG020: Cadmium	7440-43-9	1 mg/L	97.4	---	75	125	---	---	---	
		EG020: Chromium	7440-47-3	1 mg/L	93.9	---	75	125	---	---	---	
		EG020: Copper	7440-50-8	1 mg/L	87.3	---	75	125	---	---	---	
		EG020: Lead	7439-92-1	1 mg/L	101	---	75	125	---	---	---	
		EG020: Mercury	7439-97-6	0.02 mg/L	102	---	75	125	---	---	---	
		EG020: Nickel	7440-02-0	1 mg/L	96.7	---	75	125	---	---	---	
		EG020: Selenium	7782-49-2	1 mg/L	115	---	75	125	---	---	---	
		EG020: Silver	7440-22-4	1 mg/L	80.8	---	75	125	---	---	---	
		EG020: Thallium	7440-28-0	1 mg/L	99.6	---	75	125	---	---	---	
		EG020: Tin	7440-31-5	1 mg/L	104	---	75	125	---	---	---	
		EG020: Vanadium	7440-62-2	1 mg/L	99.1	---	75	125	---	---	---	
		EG020: Zinc	7440-66-6	1 mg/L	85.8	---	75	125	---	---	---	

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 6
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1531900
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 26-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 28-AUG-2015
Project	: ----	Quote number	: ----	No. of samples received	: 1
Order number	: ----			No. of samples analysed	: 1
C-O-C number	: ----				
Site	: ----				

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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

Position

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 6
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1531900

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: 27-AUG-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: **HK1531900**

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.

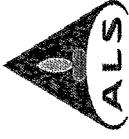


Page Number : 3 of 6
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531900

Analytical Results

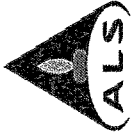
Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	Unit
			ASH BE	
			24-AUG-2015 11:08	
			HK1531900-001	
EA/ED: Physical and Aggregate Properties				
EA002: pH Value	—	0.1	pH Unit	10.2
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	12.7



Page Number : 4 of 6
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531900

Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time	
Compound	CAS Number	LOR	Unit	ASH BE	Client sample ID
EG: Metals and Major Cations - Filtered					
EG020: Antimony	7440-38-0	1	mg/kg	<1	24-AUG-2015 12:00
EG020: Arsenic	7440-38-2	1	mg/kg	<1	HK1531900-001
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	3	
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					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Control Limit	Value	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4009994)											
HK1531899-041	Anonymous	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	21.0	21.1	0.6	0.6	—	—
EA/ED: Physical and Aggregate Properties (QC Lot: 4009998)											
HK1531899-041	Anonymous	EA002: pH Value	—	0.1	pH Unit	10.8	10.8	0.0	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													
Matrix: WATER	Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)			Recovery Limits (%)		Value	Control Limit
							LCS	DCS	High	Low	High		
EG: Metals and Major Cations - Filtered (QC Lot: 4010741)													
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	88.1	—	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	96.5	—	74	122	—	—	—	—
EG020: Cadmium	7440-43-8	0.1	mg/L	<0.1	1 mg/L	99.0	—	79	117	—	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	106	—	78	120	—	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	110	—	78	118	—	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	104	—	79	115	—	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	104	—	76	120	—	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	111	—	78	120	—	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	116	—	81	119	—	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	104	—	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	109	—	79	119	—	—	—	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	115	—	78	124	—	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	107	—	70	130	—	—	—	—



Page Number : 6 of 6
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1531900

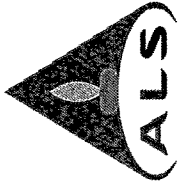
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory Sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report								
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4010741) HK1531899-041 Anonymous		EG020: Antimony	7440-36-0	1 mg/L	114	---	---	75	125	---	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	101	---	---	75	125	---	---	---
		EG020: Barium	7440-39-3	1 mg/L	99.6	---	---	75	125	---	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	95.1	---	---	75	125	---	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	97.4	---	---	75	125	---	---	---
		EG020: Chromium	7440-47-3	1 mg/L	93.9	---	---	75	125	---	---	---
		EG020: Copper	7440-50-8	1 mg/L	87.3	---	---	75	125	---	---	---
		EG020: Lead	7439-92-1	1 mg/L	101	---	---	75	125	---	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	102	---	---	75	125	---	---	---
		EG020: Nickel	7440-02-0	1 mg/L	96.7	---	---	75	125	---	---	---
		EG020: Selenium	7782-49-2	1 mg/L	115	---	---	75	125	---	---	---
		EG020: Silver	7440-22-4	1 mg/L	80.8	---	---	75	125	---	---	---
		EG020: Thallium	7440-28-0	1 mg/L	99.6	---	---	75	125	---	---	---
		EG020: Tin	7440-31-5	1 mg/L	104	---	---	75	125	---	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	99.1	---	---	75	125	---	---	---
	EG020: Zinc	7440-66-6	1 mg/L	85.8	---	---	75	125	---	---	---	

Matrix: WATER

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 21
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532278
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 28-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 01-SEP-2015
Project	: ----	Quote number	: ----	No. of samples received	: 37
Order number	: ----			No. of samples analysed	: 37
C-O-C number	: ----				
Site	: ----				

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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

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 21
Client : VW-VES(HK) LTD
Work Order : HK1532278

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: 31-AUG-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: **HK1532278**

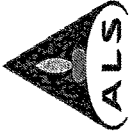
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.

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 21
 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		Unit
			Client sampling date / time	Client sample ID	
			ASH A MIDDLE	ASH A MIDDLE	ASH A MIDDLE
			26-AUG-2015 15:40	26-AUG-2015 16:00	26-AUG-2015 16:45
			HK1532278-001	HK1532278-002	HK1532278-004
			9.9	9.6	9.6
		0.1	pH Unit	21.6	21.2
		0.1	%	25.8	29.2
					9.8
					23.4

EAJED: Physical and Aggregate Properties

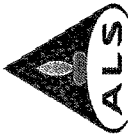
EA002: pH Value

EA055: Moisture Content (dried @ 103°C)



Page Number : 4 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: SOLID	Client sample ID		Client sample date / time	Unit	LOR	CAS Number	Client sample ID					
	ASH A MIDDLE	ASH A MIDDLE					ASH A MIDDLE	ASH A MIDDLE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
	26-AUG-2015 17:02	26-AUG-2015 17:30	26-AUG-2015 17:54	26-AUG-2015 07:00			26-AUG-2015 17:02	26-AUG-2015 17:30	26-AUG-2015 17:54	26-AUG-2015 07:00	26-AUG-2015 07:30	26-AUG-2015 07:30
	HK1532278-006	HK1532278-007	HK1532278-008	HK1532278-009			HK1532278-006	HK1532278-007	HK1532278-008	HK1532278-009	HK1532278-010	HK1532278-010
EA/ED: Physical and Aggregate Properties												
EA002: pH Value	---	0.1	0.1	0.1	0.1	---	9.8	9.7	9.6	9.6	10.7	10.7
EA056: Moisture Content (dried @ 103°C)	---	0.1	0.1	0.1	0.1	---	27.0	31.2	29.1	23.5	29.0	29.0



Page Number : 5 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit				
EA002: pH Value	---	0.1	26-AUG-2015 08:30	HK1532278-011	10.7	10.7	10.8	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	26-AUG-2015 08:30	HK1532278-011	24.4	26.1	23.7	29.9
			26-AUG-2015 09:00	HK1532278-012	10.7	10.7	10.8	10.8
			26-AUG-2015 09:20	HK1532278-013	10.8	10.8	10.8	10.8
			26-AUG-2015 10:00	HK1532278-014	26.6	26.6	26.6	26.6
			26-AUG-2015 12:04	HK1532278-015	10.9	10.9	10.9	10.9

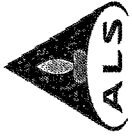
Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

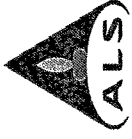
Sub-Matrix: SOLID	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE AF
	CAS Number	Unit					
			26-AUG-2015 15:08	27-AUG-2015 00:25	26-AUG-2015 11:00	26-AUG-2015 11:40	26-AUG-2015 11:20
			HK1532278-016	HK1532278-017	HK1532278-018	HK1532278-019	HK1532278-020
Compound							
EA/ED: Physical and Aggregate Properties							
EA002: pH Value	---	0.1	10.8	10.8	10.6	10.7	10.8
EA058: Moisture Content (dried @ 103°C)	---	0.1	29.6	26.6	25.0	17.9	32.8



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit				
EA002: pH Value	--	0.1	27-AUG-2015 07:45	HK1532278-021	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	--	0.1	27-AUG-2015 08:45	HK1532278-022	25.6	25.8	25.6	24.5
			27-AUG-2015 08:10	HK1532278-023	10.8	10.8	10.8	10.8
			27-AUG-2015 09:30	HK1532278-024	25.6	26.2	25.6	24.5
			27-AUG-2015 10:00	HK1532278-025	10.8	10.8	10.8	10.8



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Compound	Client sample ID		CAS Number	LOR	Client sampling date / time	Unit	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
	Sub-Matrix: SOLID	RESIDUE AE								
EA002: pH Value					27-AUG-2015 10:30		10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)					27-AUG-2015 11:10		25.6	27.6	28.2	28.5
					27-AUG-2015 12:10		10.8	10.8	10.8	10.8
					27-AUG-2015 12:40					
					27-AUG-2015 13:10					



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

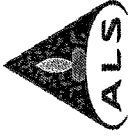
Sub-Matrix: SOLID	Client sample ID		RESIDUE AE		RESIDUE AE	
	CAS Number	LOR	Client sampling date / time	Unit	Client sampling date / time	Unit
EA002: pH Value	---	0.1	27-AUG-2015 14:35	HK1532278-036	27-AUG-2015 15:30	HK1532278-037
EA055: Moisture Content (dried @ 103°C)	---	0.1				
EA/ED: Physical and Aggregate Properties						
				10.9	11.0	
				28.8	23.3	



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		LOR	Unit	Client sampling date / time	ASH A MIDDLE	ASH A MIDDLE	ASH A MIDDLE	ASH A MIDDLE
		26-AUG-2015 12:00	26-AUG-2015 12:00				26-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00
		HK1532278-001	HK1532278-002	HK1532278-003	HK1532278-004	HK1532278-005				
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Lead	7439-92-1	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1		1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1		1	mg/kg	<1	<1	<1	<1	<1
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
		-	-	-	-	1	1	1	1	1



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

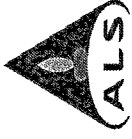
Compound	CAS Number	LOR	Client sample ID				RESIDUE AE
			Client sampling date / time	Unit	ASH A MIDDLE	ASH A MIDDLE	
Sub-Matrix: TCLP LEACHATE							
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	1	<1	mg/kg	<1	<1	<1
EG020: Arsenic	7440-38-2	1	<1	mg/kg	<1	<1	<1
EG020: Barium	7440-39-3	1	<1	mg/kg	<1	<1	<1
EG020: Beryllium	7440-41-7	1	<1	mg/kg	<1	<1	<1
EG020: Cadmium	7440-43-6	1	<1	mg/kg	<1	<1	<1
EG020: Chromium	7440-47-3	1	<1	mg/kg	<1	<1	<1
EG020: Copper	7440-50-8	1	<1	mg/kg	<1	<1	<1
EG020: Lead	7439-92-1	1	<1	mg/kg	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	<0.2	mg/kg	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	<1	mg/kg	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	<0.2	mg/kg	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	<1	mg/kg	<1	<1	<1
EG020: Thallium	7440-28-0	1	<1	mg/kg	<1	<1	<1
EG020: Tin	7440-51-5	1	<1	mg/kg	<1	<1	<1
EG020: Vanadium	7440-52-2	1	<1	mg/kg	<1	<1	<1
EG020: Zinc	7440-66-6	1	1	mg/kg	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number							
			1		1	1	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit	26-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-38-0	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	7440-43-8	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									
					2	2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE AF
Compound	CAS Number	LOR	Client sampling date / time	Unit	26-AUG-2015 12:00	27-AUG-2015 12:00	26-AUG-2015 12:00	26-AUG-2015 12:00
					HK1532278-016	HK1532278-017	HK1532278-018	HK1532278-019
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	2	2	<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								
					2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID						
			Client sampling date / time	Unit	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
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	7440-36-3	1		mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1		mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-49-9	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	7489-97-6	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									
					2	2	2	2	2



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 Client : VV-VES(HK) LTD
 Work Order : HK1532278

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



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Client sample ID				RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE									
			Client sampling date / time	Unit	Client sampling date / time	Unit					Client sampling date / time	Unit							
EG: Metals and Major Cations - Filtered																			
EG020: Antimony	7440-36-0	1		mg/kg	27-AUG-2015 12:00	HK1532278-031	<1	27-AUG-2015 12:00	HK1532278-032	<1	27-AUG-2015 12:00	HK1532278-033	<1	27-AUG-2015 12:00	HK1532278-034	<1	27-AUG-2015 12:00	HK1532278-035	<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	7439-92-1	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																			
							2			2			2						2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532278

Compound	CAS Number	Client sample ID		RESIDUE AE	RESIDUE AE
		Client sampling date / time	Unit		
Sub-Matrix: TCLP LEACHATE					
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	7440-49-6	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	7439-92-1	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	2



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: 4012054)								
HK1532278-001	ASH A MIDDLE	EA056: Moisture Content (dried @ 103°C)	—	0.1	%	25.8	26.7	3.6
HK1532278-011	RESIDUE AE	EA056: Moisture Content (dried @ 103°C)	—	0.1	%	24.4	23.8	2.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4012055)								
HK1532278-021	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	25.6	25.2	1.6
HK1532278-031	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	10.6	10.3	3.2
EA/ED: Physical and Aggregate Properties (QC Lot: 4012057)								
HK1532278-001	ASH A MIDDLE	EA002: pH Value	—	0.1	pH Unit	9.9	9.9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4012058)								
HK1532278-021	RESIDUE AE	EA002: pH Value	—	0.1	pH Unit	10.8	10.8	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: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)	
					Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 4012504)										
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	102	—	72	124	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	101	—	80	120	—
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	106	—	74	122	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	92.2	—	79	117	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	103	—	78	120	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.0	—	78	118	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	98.8	—	79	115	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.5	—	76	120	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	100	—	78	120	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	107	—	81	119	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	104	—	76	114	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	—	81	113	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	106	—	79	119	—
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	108	—	78	124	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	94.6	—	70	130	—
EG: Metals and Major Cations - Filtered (QC Lot: 4012506)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	95.5	—	76	118	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	72	124	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	97.3	—	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	94.5	—	79	117	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.0	—	78	120	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.8	—	78	118	—

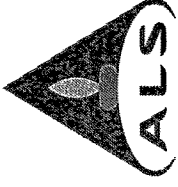


Page Number : 20 of 21
 Client : VW-VES(HK) LTD
 Work Order : HK1532278

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 (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4012505) - Continued											
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	98.1	---	79	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	92.0	---	76	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	96.4	---	78	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	---	81	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	98.6	---	76	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	98.3	---	81	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	102	---	79	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	105	---	78	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	89.6	---	70	---	---	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 9
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532279
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 28-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 01-SEP-2015
Project	: *****	Quote number	: *****	No. of samples received	: 7
Order number	: *****			No. of samples analysed	: 7
C-O-C number	: *****				
Site	: *****				

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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

Position

Authorised results for

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 9
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1532279

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: 31-AUG-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: **HK1532279**

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.

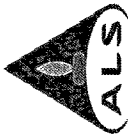


Page Number : 3 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532279

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID	Client sampling date / time		Client sampling date / time		Client sampling date / time	
				Unit	Unit	Unit	Unit	Unit	
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	—	0.1		26-AUG-2015 12:45	27-AUG-2015 17:40	27-AUG-2015 17:53	27-AUG-2015 14:50	27-AUG-2015 15:25	
EA005: Moisture Content (dried @ 103°C)	—	0.1		HK1532279-001	HK1532279-002	HK1532279-003	HK1532279-004	HK1532279-005	
				10.9	10.2	9.8	10.9	10.8	
				28.0	13.0	12.1	32.0	24.4	

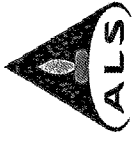


Page Number : 4 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532279

Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	RESIDUE BE
			27-AUG-2015 16:00	RESIDUE BE
			HK1532279-006	27-AUG-2015 16:30
				HK1532279-007
EA/ED: Physical and Aggregate Properties				
EA002: pH Value	---	0.1	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	25.6	17.9



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	LOI	Unit	RESIDUE BE	ASH BE	ASH BE	RESIDUE BE	RESIDUE BE	ASH BE	RESIDUE BE	RESIDUE BE
				26-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00	27-AUG-2015 12:00
				HK1532279-001	HK1532279-002	HK1532279-003	HK1532279-004	HK1532279-005			
EG: Metals and Major Cations - Filtered											
EG020: Antimony	7440-38-0	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	7440-66-6	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											
				2	1	1	2	2	1	2	2



Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE BE	RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / Unit	27-AUG-2015 12:00	27-AUG-2015 12:00
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	1	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	2

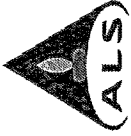


Laboratory Duplicate (DUP) Report

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: 4012055)									
HK1532278-021	Anonymous		EA055: Moisture Content (dried @ 103°C)		0.1	%	25.6	25.2	1.6
HK1532278-031	Anonymous		EA055: Moisture Content (dried @ 103°C)		0.1	%	10.6	10.3	3.2
EA/ED: Physical and Aggregate Properties (QC Lot: 4012056)									
HK1532279-004	RESIDUE BE		EA055: Moisture Content (dried @ 103°C)		0.1	%	32.0	32.4	1.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4012058)									
HK1532278-021	Anonymous		EA002: pH Value		0.1	pH Unit	10.8	10.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4012059)									
HK1532279-004	RESIDUE BE		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 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 (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4012505)										
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	95.5	—	76 118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	72 124	—	—
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	97.3	—	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	94.5	—	79 117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	96.0	—	78 120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.8	—	78 118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.1	—	79 115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	92.0	—	76 120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	96.4	—	78 120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	—	81 119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	98.6	—	76 114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	98.3	—	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	105	—	78 124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	89.6	—	70 130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 4012506)										
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	98.0	—	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	99.0	—	74 122	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	96.1	—	79 117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	97.0	—	78 120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	90.6	—	78 118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	97.6	—	79 115	—	—



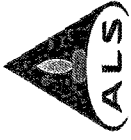
Page Number : 8 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532279

Method Blank (MB) Report

Matrix: WATER

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

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4012506) - Continued											
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	99.0	---	76	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	95.7	---	78	---	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	109	---	81	---	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.1	---	76	---	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	99.6	---	81	---	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	102	---	79	---	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	106	---	78	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	94.3	---	70	---	---	---



Page Number : 9 of 9
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532279

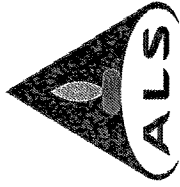
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

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	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4012505)									
HK1532278-021	Anonymous								
		EG020: Antimony	7440-36-0	1 mg/L	106	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	104	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	105	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	110	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	102	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	103	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	101	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	103	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	88.5	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	100	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	119	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	83.6	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	105	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	107	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	108	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	104	—	75	125	—
EG: Metals and Major Cations - Filtered (QC Lot: 4012506)									
HK1532278-004	RESIDUE BE								
		EG020: Antimony	7440-36-0	1 mg/L	124	—	75	125	—
		EG020: Arsenic	7440-38-2	1 mg/L	97.7	—	75	125	—
		EG020: Barium	7440-39-3	1 mg/L	104	—	75	125	—
		EG020: Beryllium	7440-41-7	1 mg/L	110	—	75	125	—
		EG020: Cadmium	7440-43-9	1 mg/L	99.8	—	75	125	—
		EG020: Chromium	7440-47-3	1 mg/L	99.0	—	75	125	—
		EG020: Copper	7440-50-8	1 mg/L	94.2	—	75	125	—
		EG020: Lead	7439-92-1	1 mg/L	100	—	75	125	—
		EG020: Mercury	7439-97-6	0.02 mg/L	96.0	—	75	125	—
		EG020: Nickel	7440-02-0	1 mg/L	104	—	75	125	—
		EG020: Selenium	7782-49-2	1 mg/L	112	—	75	125	—
		EG020: Silver	7440-22-4	1 mg/L	85.3	—	75	125	—
		EG020: Thallium	7440-28-0	1 mg/L	102	—	75	125	—
		EG020: Tin	7440-31-5	1 mg/L	106	—	75	125	—
		EG020: Vanadium	7440-62-2	1 mg/L	110	—	75	125	—
		EG020: Zinc	7440-66-6	1 mg/L	95.2	—	75	125	—

Matrix: WATER

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 25
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532495
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 31-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 02-SEP-2015
Project	: ----	Quote number	: ----	No. of samples received	: 46
Order number	: ----			No. of samples analysed	: 46
C-O-C number	: ----				
Site	: ----				

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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 25
Client : VW-VES(HK) LTD
Work Order : HK1532495

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: 01-SEP-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: **HK1532495**

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 : HK1532495

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID			
				Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AE
EA002: pH Value	---	0.1	pH Unit	28-AUG-2015 14:10	28-AUG-2015 14:45	28-AUG-2015 15:05	28-AUG-2015 15:50
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	HK1532495-002	HK1532495-003	HK1532495-004	HK1532495-005
				29-AUG-2015 14:45	28-AUG-2015 14:45	28-AUG-2015 15:05	28-AUG-2015 15:50
				HK1532495-001	HK1532495-003	HK1532495-004	HK1532495-005
				9.6	10.8	10.9	10.8
				26.5	26.5	26.4	26.6

EA002: Physical and Aggregate Properties

EA002: pH Value

EA055: Moisture Content (dried @

103°C)



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

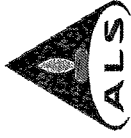
Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Unit	Unit					
			28-AUG-2015	16:05	28-AUG-2015 16:35	28-AUG-2015 17:00	28-AUG-2015 17:40	28-AUG-2015 18:00	
			HK1532495-006		HK1532495-007	HK1532495-008	HK1532495-009	HK1532495-010	
EATED: Physical and Aggregate Properties									
EA002: pH Value		0.1	11.0		10.8	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)		0.1	26.9		25.8	26.7	27.6	28.0	28.0



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	Unit				
Sub-Matrix: SOLID								
EA002: pH Value		0.1	10.9	30-AUG-2015 09:40	HK1532495-011	10.9	10.8	10.8
EA055: Moisture Content (dried @ 103°C)		0.1	23.6	30-AUG-2015 10:20	HK1532495-012	24.7	24.1	24.0
				30-AUG-2015 10:45	HK1532495-013			10.8
				30-AUG-2015 11:15	HK1532495-014			26.5
				30-AUG-2015 13:20	HK1532495-015			



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
			Unit	Unit					
Sub-Matrix: SOLID			30-AUG-2015 13:45	30-AUG-2015 14:10	30-AUG-2015 15:00	30-AUG-2015 15:50	29-AUG-2015 08:50		
	HK1532495-016		HK1532495-016	HK1532495-017	HK1532495-018	HK1532495-019	HK1532495-020		
EAJED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1	pH Unit	10.9	10.8	10.7	10.8	10.8	
EA056: Moisture Content (dried @ 103°C)	--	0.1	%	28.1	26.9	25.0	29.1	27.2	



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
EA002: pH Value	---	0.1	29-AUG-2015 09:15	HK1532495-021	10.9	10.8	10.8	10.9	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	29-AUG-2015 09:45	HK1532495-022	25.0	27.4	27.3	24.1	29.5
			29-AUG-2015 10:10	HK1532495-023					
			29-AUG-2015 11:10	HK1532495-024					
			29-AUG-2015 13:15	HK1532495-025					

Sub-Matrix: SOLID

EA/ED: Physical and Aggregate Properties



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit					
EAJED: Physical and Aggregate Properties									
EA002: pH Value		0.1			10.6	10.7	10.9	10.8	10.7
EA055: Moisture Content (dried @ 103°C)		0.1			27.5	24.9	17.0	29.6	27.6



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Client : VM-VES(HK) LTD
Work Order : HK1532495

Compound	CAS Number	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF
		Client sampling date / time	Unit					
EA002: pH Value		0.1	pH Unit	10.7	10.8	10.7	10.8	10.7
EA055: Moisture Content (dried @ 103°C)		0.1	%	26.1	27.3	26.1	20.2	26.0

Sub-Matrix: SOLID

Client sample ID

Client sampling date / time

Unit

RESIDUE AE

RESIDUE AE

RESIDUE BF

RESIDUE BF

RESIDUE BF



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit	29-AUG-2015 08:50	29-AUG-2015 09:10	29-AUG-2015 10:00	29-AUG-2015 13:30
EA002: pH Value	--	0.1	10.7	pH Unit	10.7	10.6	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	--	0.1	25.8	%	21.1	22.3	25.4	18.4
					HK1532495-036	HK1532495-037	HK1532495-038	HK1532495-039
								HK1532495-040

Sub-Matrix: SOLID

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 Client : VW-VES(HK) LTD
 Work Order : HK1532495



Sub-Matrix: SOLID	Client sample ID		RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
	CAS Number	Unit				
			29-AUG-2015 15:00	29-AUG-2015 17:40	30-AUG-2015 16:40	30-AUG-2015 17:35
			HK1532495-041	HK1532495-043	HK1532495-044	HK1532495-045
EA/ED: Physical and Aggregate Properties			10.7	10.7	10.8	10.8
EA002: pH Value		0.1	31.0	27.5	27.4	25.9
EA055: Moisture Content (dried @ 103°C)		0.1			23.3	



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 Client : VM-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	Client sample ID		RESIDUE AE
		LOR	Client sampling date / time	
EA1ED: Physical and Aggregate Properties				30-AUG-2015 09:00
EA002: pH Value	---	0.1	pH Unit	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	27.1

Sub-Matrix: SOLID



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Sub-Matrix: TCLP LEACHATE		Client sample ID		ASH A MIDDLE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
Compound	CAS Number	LOI	Unit	29-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00
				HK1532495-001	HK1532495-002	HK1532495-003	HK1532495-004	HK1532495-005
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	<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	2	2

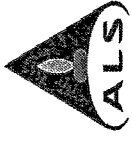


Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit				
Sub-Matrix: TCLP LEACHATE								
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1			<1	<1	<1	<1
EG020: Barium	7440-39-3	1			<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1			<1	<1	<1	<1
EG020: Cadmium	7440-43-8	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	7439-92-1	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	7440-31-5	1			<1	<1	<1	<1
EG020: Vanadium	7440-52-2	1			<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			<1	2	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number								
					2	2	2	2
					2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID		RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		30-AUG-2015 12:00	HK1532495-016	HK1532495-017	HK1532495-018	HK1532495-019	HK1532495-020
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	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					2	2	2	2	2



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 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Sub-Matrix: TCPLP LEACHATE	Client sample ID		Client sampling date / time	Unit	RESIDUE AE 29-AUG-2015 12:00 HK1532495-021	RESIDUE AE 29-AUG-2015 12:00 HK1532495-022	RESIDUE AE 29-AUG-2015 12:00 HK1532495-023	RESIDUE AE 29-AUG-2015 12:00 HK1532495-024	RESIDUE AE 29-AUG-2015 12:00 HK1532495-025
	CAS Number	LOR							
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	7440-43-8	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									
					2	2	2	2	2



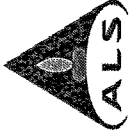
Page Number : 18 of 25
 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sampling date / time		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sample ID	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1		29-AUG-2015 12:00	HK1532495-026	HK1532495-027	HK1532495-028	HK1532495-029	HK1532495-030
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	7440-52-2	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									
					2	2	2	2	2



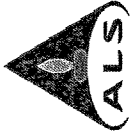
Page Number : 19 of 25
 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-38-0	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	7439-97-6	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	7440-52-2	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	2	2	2	1



Page Number : 21 of 25
 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Compound	CAS Number	LOR	Client sample ID			
			Client sampling date / time	Unit	RESIDUE BF	RESIDUE BF
Sub-Matrix: TCLP LEACHATE						
EG: Metals and Major Cations - Filtered						
EG020: Antimony	7440-36-0	1	29-AUG-2015 12:00	mg/kg	HK1532495-041	30-AUG-2015 12:00
EG020: Arsenic	7440-39-2	1	29-AUG-2015 12:00	mg/kg	HK1532495-042	30-AUG-2015 12:00
EG020: Barium	7440-39-3	1	29-AUG-2015 12:00	mg/kg	HK1532495-043	30-AUG-2015 12:00
EG020: Beryllium	7440-41-7	1	29-AUG-2015 12:00	mg/kg	HK1532495-044	30-AUG-2015 12:00
EG020: Cadmium	7440-43-8	1	29-AUG-2015 12:00	mg/kg	HK1532495-045	30-AUG-2015 12:00
EG020: Chromium	7440-47-3	1	29-AUG-2015 12:00	mg/kg	HK1532495-046	30-AUG-2015 12:00
EG020: Copper	7440-50-8	1	29-AUG-2015 12:00	mg/kg	HK1532495-047	30-AUG-2015 12:00
EG020: Lead	7439-92-1	1	29-AUG-2015 12:00	mg/kg	HK1532495-048	30-AUG-2015 12:00
EG020: Mercury	7439-97-6	0.2	29-AUG-2015 12:00	mg/kg	HK1532495-049	30-AUG-2015 12:00
EG020: Nickel	7440-02-0	1	29-AUG-2015 12:00	mg/kg	HK1532495-050	30-AUG-2015 12:00
EG020: Selenium	7782-49-2	0.2	29-AUG-2015 12:00	mg/kg	HK1532495-051	30-AUG-2015 12:00
EG020: Silver	7440-22-4	1	29-AUG-2015 12:00	mg/kg	HK1532495-052	30-AUG-2015 12:00
EG020: Thallium	7440-28-0	1	29-AUG-2015 12:00	mg/kg	HK1532495-053	30-AUG-2015 12:00
EG020: Tin	7440-31-5	1	29-AUG-2015 12:00	mg/kg	HK1532495-054	30-AUG-2015 12:00
EG020: Vanadium	7440-52-2	1	29-AUG-2015 12:00	mg/kg	HK1532495-055	30-AUG-2015 12:00
EG020: Zinc	7440-66-6	1	29-AUG-2015 12:00	mg/kg	HK1532495-056	30-AUG-2015 12:00
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						
			1	2	2	1



Page Number : 22 of 25
 Client : VW-VES(HK) LTD
 Work Order : HK1532495

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AE
Compound	CAS Number	LOR	Client sampling date / time	30-AUG-2015 12:00
				HK1532495-046
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	7440-43-9	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				2



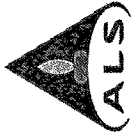
Page Number : 23 of 25
 Client : VW-VES(HK) LTD
 Work Order : HK1532495

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: 4013683)								
HK1532495-001	ASH A MIDDLE	EA002: pH Value	---	0.1	pH Unit	9.6	9.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013684)								
HK1532495-021	RESIDUE AE	EA002: pH Value	---	0.1	pH Unit	10.9	10.9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013685)								
HK1532495-041	RESIDUE BF	EA002: pH Value	---	0.1	pH Unit	10.7	10.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013706)								
HK1532495-001	ASH A MIDDLE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.5	26.1	1.6
HK1532495-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	23.6	23.8	0.4
EA/ED: Physical and Aggregate Properties (QC Lot: 4013707)								
HK1532495-021	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	25.0	25.4	1.5
HK1532495-031	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	25.1	24.8	1.5
EA/ED: Physical and Aggregate Properties (QC Lot: 4013708)								
HK1532495-041	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	31.0	31.1	0.5
HK1532496-005	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	13.8	13.8	0.0

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

Matrix: WATER		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
Method: Compound		Method Blank (MB) Report					Spike Recovery (%)				
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Low	Recovery High	Value	Control Limit	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 4013755)											
EG020: Antimony	7440-36-0	1	<1	1 mg/L	90.3	---	76	118	---	---	---
EG020: Arsenic	7440-38-2	1	<1	1 mg/L	102	---	72	124	---	---	---
EG020: Barium	7440-39-3	1	<1	1 mg/L	116	---	80	120	---	---	---
EG020: Beryllium	7440-41-7	1	<1	1 mg/L	118	---	74	122	---	---	---
EG020: Cadmium	7440-43-9	0.1	<0.1	1 mg/L	89.2	---	79	117	---	---	---
EG020: Chromium	7440-47-3	1	<1	1 mg/L	101	---	78	120	---	---	---
EG020: Copper	7440-50-8	1	<1	1 mg/L	112	---	78	118	---	---	---
EG020: Lead	7439-92-1	1	<1	1 mg/L	103	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	<0.1	0.02 mg/L	96.0	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	<1	1 mg/L	105	---	78	120	---	---	---
EG020: Selenium	7782-49-2	0.2	<0.2	1 mg/L	109	---	81	119	---	---	---
EG020: Silver	7440-22-4	1	<1	1 mg/L	101	---	76	114	---	---	---
EG020: Thallium	7440-28-0	1	<1	1 mg/L	102	---	81	113	---	---	---
EG020: Tin	7440-51-5	1	<1	1 mg/L	106	---	79	119	---	---	---
EG020: Vanadium	7440-62-2	1	<1	1 mg/L	106	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	<1	1 mg/L	88.2	---	70	130	---	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 4013757)											
EG020: Antimony	7440-36-0	1	<1	1 mg/L	98.9	---	76	118	---	---	---
EG020: Arsenic	7440-38-2	1	<1	1 mg/L	108	---	72	124	---	---	---

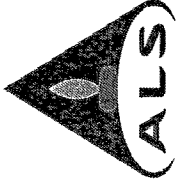


Matrix: WATER

Method: Compound		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	RPD (%)	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4013757) - Continued											
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	106	80	120	—	—	
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	117	74	122	—	—	
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	98.4	79	117	—	—	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	108	78	120	—	—	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	117	78	118	—	—	
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	107	79	115	—	—	
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.2	76	120	—	—	
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	110	78	120	—	—	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	107	81	119	—	—	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	102	76	114	—	—	
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	112	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	109	78	124	—	—	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	88.8	70	130	—	—	
EG: Metals and Major Cations - Filtered (QC Lot: 4013758)											
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	102	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	109	74	122	—	—	
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.7	79	117	—	—	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	106	78	120	—	—	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	115	78	118	—	—	
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	107	79	115	—	—	
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	94.2	76	120	—	—	
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	108	78	120	—	—	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110	81	119	—	—	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.6	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	107	78	124	—	—	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	90.8	70	130	—	—	

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 11
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532496
Address	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 46, GENERAL POST OFFICE HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 31-AUG-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 02-SEP-2015
Project	: ---	Quote number	: ---	No. of samples received	: 15
Order number	: ---			No. of samples analysed	: 15
C-O-C number	: ---				
Site	: ---				

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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

ALS Technichem (HK) Pty Ltd
part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 11
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1532496

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:

01-SEP-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: **HK1532496**

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 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532496

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sample ID		ASH BE	ASH BE	ASH BE	ASH BE	ASH BE
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1		28-AUG-2015 03:30	9.7	9.2	9.3	9.5	9.5
EA055: Moisture Content (dried @ 103°C)	--	0.1		28-AUG-2015 10:10	22.0	13.3	12.9	12.0	13.8
				28-AUG-2015 10:20					
				28-AUG-2015 10:40					
				28-AUG-2015 11:10					



Page Number : 4 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532496

Compound	CAS Number	LOR	Client sample ID		ASH BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sampling date / time	Unit					
Sub-Matrix: SOLID			28-AUG-2015 12:10	HK1532496-006	28-AUG-2015 07:20	28-AUG-2015 08:30	28-AUG-2015 09:00	28-AUG-2015 10:00	28-AUG-2015 10:00
EA/ED: Physical and Aggregate Properties									
EA002: pH Value		0.1			9.2	10.6	10.7	10.7	10.6
EA055: Moisture Content (dried @ 103°C)		0.1			19.5	27.5	22.4	25.1	21.6



Page Number : 5 of 11
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1532496

Compound	CAS Number	LOR	Client sample ID		RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE	RESIDUE BE
			Client sampling date / time	Unit					
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	--	0.1	28-AUG-2015 10:40	HK1532496-011	10.6	10.6	10.7	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	--	0.1	28-AUG-2015 16:10	HK1532496-012	24.5	28.8	14.3	25.4	26.9



Page Number : 6 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532496

Sub-Matrix: TCLP LEACHATE		Client sample ID						
Compound	CAS Number	Client sampling date / time	Unit	ASH BE	ASH BE	ASH BE	ASH BE	ASH BE
		LOF		28-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00	28-AUG-2015 12:00
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	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	1	1



Sub-Matrix: TCLP LEACHATE	Client sample ID		RESIDUE BE 28-AUG-2015 12:00 HK1532496-011	RESIDUE BE 28-AUG-2015 12:00 HK1532496-012	RESIDUE BE [30-AUG-2015] HK1532496-013	RESIDUE BE [30-AUG-2015] HK1532496-014	RESIDUE BE [30-AUG-2015] HK1532496-015
	Compound	Client sampling date / time					
	CAS Number	Unit	RESIDUE BE 28-AUG-2015 12:00 HK1532496-011	RESIDUE BE 28-AUG-2015 12:00 HK1532496-012	RESIDUE BE [30-AUG-2015] HK1532496-013	RESIDUE BE [30-AUG-2015] HK1532496-014	RESIDUE BE [30-AUG-2015] HK1532496-015
EG: Metals and Major Cations - Filtered							
EG020: Antimony	7440-36-0	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	mg/kg	1	2	1	1	1
EG020: Lead	7439-92-1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	mg/kg	<0.2	<0.2	0.2	<0.2	0.2
EG020: Silver	7440-22-4	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	mg/kg	<1	<1	<1	<1	<1
Sample Preparation Method							
E-TCLP: Extraction Fluid Number			2	2	2	2	2



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: 4013685)									
HK1532495-041	Anonymous	EA002: pH Value			0.1	pH Unit	10.7	10.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013686)									
HK1532496-015	RESIDUE BE	EA002: pH Value			0.1	pH Unit	10.7	10.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013708)									
HK1532495-041	Anonymous	EA055: Moisture Content (dried @ 103°C)			0.1	%	31.0	31.1	0.5
HK1532496-005	ASH BE	EA055: Moisture Content (dried @ 103°C)			0.1	%	13.8	13.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4013709)									
HK1532496-015	RESIDUE BE	EA055: Moisture Content (dried @ 103°C)			0.1	%	26.9	26.8	0.0

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

Matrix: WATER											
Method Blank (MB) Report											
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4013758)											
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	102			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	109			74	122	
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.7			79	117	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	106			78	120	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	115			78	118	
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	107			79	115	
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	94.2			76	120	
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	108			78	120	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	110			81	119	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.6			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	107			78	124	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	90.8			70	130	
EG: Metals and Major Cations - Filtered (QC Lot: 4013759)											
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	110			72	124	
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	110			80	120	
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	109			74	122	
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	101			79	117	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	111			78	120	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	110			78	118	
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	108			79	115	



Page Number : 10 of 11
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532496

Method Blank (MB) Report

Matrix: WATER

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	Control Limit	
EG: Metals and Major Cations - Filtered (QC Lot: 4013759) - Continued												
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	114	---	78	120	---	---	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	119	---	81	119	---	---	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	105	---	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	112	---	79	119	---	---	
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	112	---	78	124	---	---	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	92.0	---	70	130	---	---	

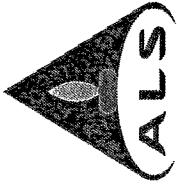


Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report				
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)
				Value	High	Low	High	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4013788)								
HK1532495-041	Anonymous							
		EG020: Antimony	7440-36-0	1 mg/L	123	75	125	75
		EG020: Arsenic	7440-38-2	1 mg/L	109	75	125	75
		EG020: Barium	7440-39-3	1 mg/L	109	75	125	75
		EG020: Beryllium	7440-41-7	1 mg/L	119	75	125	75
		EG020: Cadmium	7440-43-9	1 mg/L	100	75	125	75
		EG020: Chromium	7440-47-3	1 mg/L	114	75	125	75
		EG020: Copper	7440-50-8	1 mg/L	114	75	125	75
		EG020: Lead	7439-92-1	1 mg/L	103	75	125	75
		EG020: Mercury	7439-97-6	0.02 mg/L	109	75	125	75
		EG020: Nickel	7440-02-0	1 mg/L	114	75	125	75
		EG020: Selenium	7782-49-2	1 mg/L	120	75	125	75
		EG020: Silver	7440-22-4	1 mg/L	83.4	75	125	75
		EG020: Thallium	7440-28-0	1 mg/L	101	75	125	75
		EG020: Tin	7440-31-5	1 mg/L	109	75	125	75
		EG020: Vanadium	7440-62-2	1 mg/L	114	75	125	75
		EG020: Zinc	7440-66-6	1 mg/L	93.1	75	125	75
EG: Metals and Major Cations - Filtered (QC Lot: 4013789)								
HK1532496-015	RESIDUE BE							
		EG020: Antimony	7440-36-0	1 mg/L	121	75	125	75
		EG020: Arsenic	7440-38-2	1 mg/L	104	75	125	75
		EG020: Barium	7440-39-3	1 mg/L	120	75	125	75
		EG020: Beryllium	7440-41-7	1 mg/L	105	75	125	75
		EG020: Cadmium	7440-43-9	1 mg/L	104	75	125	75
		EG020: Chromium	7440-47-3	1 mg/L	109	75	125	75
		EG020: Copper	7440-50-8	1 mg/L	95.6	75	125	75
		EG020: Lead	7439-92-1	1 mg/L	110	75	125	75
		EG020: Mercury	7439-97-6	0.02 mg/L	115	75	125	75
		EG020: Nickel	7440-02-0	1 mg/L	111	75	125	75
		EG020: Selenium	7782-49-2	1 mg/L	88.6	75	125	75
		EG020: Silver	7440-22-4	1 mg/L	88.2	75	125	75
		EG020: Thallium	7440-28-0	1 mg/L	108	75	125	75
		EG020: Tin	7440-31-5	1 mg/L	108	75	125	75
		EG020: Vanadium	7440-62-2	1 mg/L	116	75	125	75
		EG020: Zinc	7440-66-6	1 mg/L	83.0	75	125	75

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 12
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532810
Address	: UNIT 7601, THE CENTER, 99 QUEEN'S ROAD CENTRAL HONG KONG	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	: +852 2910 9709	Telephone	: +852 2610 1044		
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021		
Project	: ----	Quote number	: ----	Date Samples Received	: 02-SEP-2015
Order number	: ----			Issue Date	: 07-SEP-2015
C-O-C number	: ----			No. of samples received	: 16
Site	: ----			No. of samples analysed	: 16

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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

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 12
Client : VM-VES(HK) LTD
Work Order : HK1532810

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-SEP-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: **HK1532810**

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. 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.

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

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



Page Number : 3 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID			
				RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
				Client sampling date / time	Client sampling date / time	Client sampling date / time	Client sampling date / time
				31-AUG-2015 09:40	31-AUG-2015 11:05	31-AUG-2015 07:45	31-AUG-2015 09:25
				HK1532810-001	HK1532810-002	HK1532810-003	HK1532810-004
EA/ED: Physical and Aggregate Properties							
EA002: pH Value		0.1	pH Unit	11.0	11.0	11.0	11.1
EA055: Moisture Content (dried @ 103°C)		0.1	%	24.1	31.4	20.8	26.1
							10.1
							24.5

ASH A COMMON

01-SEP-2015 17:50

HK1532810-005



Page Number : 4 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

Compound	CAS Number	LOR	Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	Unit				
EA1ED: Physical and Aggregate Properties								
EA002: pH Value	—	0.1	11.0	pH Unit	11.0	11.0	11.1	11.1
EA055: Moisture Content (dried @ 103°C)	—	0.1	20.3	%	24.2	25.1	28.9	26.7
					01-SEP-2015 07:35	01-SEP-2015 09:00	01-SEP-2015 10:00	01-SEP-2015 11:35
					HK1532810-006	HK1532810-007	HK1532810-008	HK1532810-009
								HK1532810-010

Sub-Matrix: SOLID



Page Number : 5 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

Compound	CAS Number	LOR	Client sample ID				RESIDUE AF
			Client sampling date / time	RESIDUE AE	RESIDUE AE	RESIDUE AF	
	Unit		RESIDUE AE	RESIDUE AE	RESIDUE AF		
			01-SEP-2015 12:10	01-SEP-2015 14:20	01-SEP-2015 16:15	RESIDUE AF	
			HK1532810-011	HK1532810-012	HK1532810-014	01-SEP-2015 17:00	
						HK1532810-015	
EA/ED: Physical and Aggregate Properties							
EA002: pH Value		0.1	11.1	11.1	11.1	11.0	
EA056: Moisture Content (dried @ 103°C)		0.1	27.9	31.1	26.8	25.6	



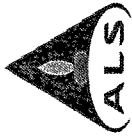
Page Number : 6 of 12
 Client : VM-VES(HK) LTD
 Work Order : HK1532810

Compound	CAS Number	Client sample ID		RESIDUE AF
		LOR	Client sampling date / time	
EA002: pH Value	—	0.1	01-SEP-2015 17:40	HK1532810-016
EA055: Moisture Content (dried @ 103°C)	—	0.1		

Sub-Matrix: SOLID

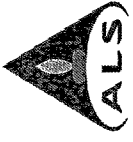
EAIED: Physical and Aggregate Properties

Compound	CAS Number	LOR	Client sampling date / time	RESIDUE AF
EA002: pH Value	—	0.1	01-SEP-2015 17:40	HK1532810-016
EA055: Moisture Content (dried @ 103°C)	—	0.1		



Page Number : 7 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

Compound	Client sample ID		LOR	Unit	RESIDUE AF 31-AUG-2015 12:00 HK1532810-001	RESIDUE AF 31-AUG-2015 12:00 HK1532810-002	RESIDUE BF 31-AUG-2015 12:00 HK1532810-003	RESIDUE BF 31-AUG-2015 12:00 HK1532810-004	ASH A COMMON 01-SEP-2015 12:00 HK1532810-005
	CAS Number	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
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	7440-43-8		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	1	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	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					2	2	2	2	1



Compound	CAS Number	Client sampling date / time		Client sample ID		RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
		LOI	Unit	01-SEP-2015 12:00	01-SEP-2015 12:00					
Sub-Matrix: TCLP LEACHATE										
EG: Metals and Major Cations - Filtered										
EG020: Antimony	7440-36-0	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Arsenic	7440-38-2	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Barium	7440-39-3	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Beryllium	7440-41-7	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Cadmium	7440-43-9	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Chromium	7440-47-3	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Copper	7440-50-8	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Lead	7439-92-1	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Mercury	7439-97-6	0.2	mg/kg	01-SEP-2015 12:00	HK1532810-011	<0.2	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Nickel	7440-02-0	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Selenium	7782-49-2	0.2	mg/kg	01-SEP-2015 12:00	HK1532810-011	<0.2	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Silver	7440-22-4	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Thallium	7440-28-0	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Tin	7440-31-5	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Vanadium	7440-62-2	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
EG020: Zinc	7440-66-6	1	mg/kg	01-SEP-2015 12:00	HK1532810-011	<1	01-SEP-2015 12:00	HK1532810-012	01-SEP-2015 12:00	HK1532810-014
Sample Preparation Method										
E-TCLP: Extraction Fluid Number										
						2	2		2	



Page Number : 10 of 12
 Client : VVV-VES(HK) LTD
 Work Order : HK1532810

Sub-Matrix: TCLP LEACHATE		Client sample ID		RESIDUE AF
		Client sampling date / time		01-SEP-2015 12:00
Compound	CAS Number	LOR	Unit	HK1532810-016
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	7440-43-9	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				
				2



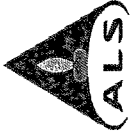
Page Number : 11 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Laboratory Duplicate (DUP) Report			
					Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 4016333)								
HK1532810-001	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	24.1	24.5	1.6
HK1532810-011	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	27.9	27.6	1.0
EA/ED: Physical and Aggregate Properties (QC Lot: 4016336)								
HK1532810-001	RESIDUE AF	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: Compound	CAS Number	LOR	Unit	Result	Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
					Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4017162)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.7	—	76	118	—	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	—	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	105	—	74	122	—	—	—
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	98.0	—	79	117	—	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.6	—	78	120	—	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	104	—	78	118	—	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.4	—	79	115	—	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.0	—	76	120	—	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	—	78	120	—	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	101	—	81	119	—	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	87.5	—	76	114	—	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	—	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	102	—	78	124	—	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.7	—	70	130	—	—	—



Page Number : 12 of 12
 Client : VW-VES(HK) LTD
 Work Order : HK1532810

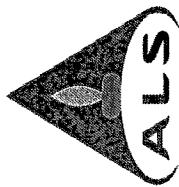
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory Sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	RPD (%)
				Value	High	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4017162)									
HK1532810-001	RESIDUE AF	EG020: Antimony	7440-38-0	1 mg/L	109	75	125	75	125
		EG020: Arsenic	7440-38-2	1 mg/L	106	75	125	75	125
		EG020: Barium	7440-39-3	1 mg/L	108	75	125	75	125
		EG020: Beryllium	7440-41-7	1 mg/L	98.4	75	125	75	125
		EG020: Cadmium	7440-43-9	1 mg/L	103	75	125	75	125
		EG020: Chromium	7440-47-3	1 mg/L	98.2	75	125	75	125
		EG020: Copper	7440-50-8	1 mg/L	84.4	75	125	75	125
		EG020: Lead	7439-92-1	1 mg/L	102	75	125	75	125
		EG020: Mercury	7439-97-6	0.02 mg/L	95.0	75	125	75	125
		EG020: Nickel	7440-02-0	1 mg/L	104	75	125	75	125
		EG020: Selenium	7782-49-2	1 mg/L	120	75	125	75	125
		EG020: Silver	7440-22-4	1 mg/L	83.5	75	125	75	125
		EG020: Thallium	7440-28-0	1 mg/L	103	75	125	75	125
		EG020: Tin	7440-31-5	1 mg/L	110	75	125	75	125
		EG020: Vanadium	7440-62-2	1 mg/L	103	75	125	75	125
		EG020: Zinc	7440-66-6	1 mg/L	87.6	75	125	75	125

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE MS JENNIFER CHAN	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 15
Contact	: ATTENTION TO MS JENNIFER CHAN P.O. BOX 45, GENERAL POST OFFICE HONG KONG	Contact	: Fung Lim Chee, Richard	Work Order	: HK1532821
Address	: Jennifer.chan@veolia.com : +852 2910 9709 : +852 2430 8011	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	: +852 2910 9709	Telephone	: +852 2610 1044	Date Samples Received	: 02-SEP-2015
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021	Issue Date	: 07-SEP-2015
Project	: ----	Quote number	: ----	No. of samples received	: 23
Order number	: ----			No. of samples analysed	: 23
C-O-C number	: ----				
Site	: ----				

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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

Position

Authorised results for

Fung Lim Chee, Richard

General Manager

Inorganics

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com



Page Number : 2 of 15
Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
Work Order : HK1532821

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-SEP-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: **HK1532821**

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.

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

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

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



Page Number : 3 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Client sampling date / time	Client sample ID					
				Unit	A1 RESIDUE BE	A2 RESIDUE BE	A3 RESIDUE BE	A4 RESIDUE BE	A5 RESIDUE BE
EA002: pH Value	—	0.1	31-AUG-2015 10:00	HK1532821-001	31-AUG-2015 10:30	31-AUG-2015 11:10	31-AUG-2015 11:35	31-AUG-2015 12:10	
EA056: Moisture Content (dried @ 103°C)	—	0.1		HK1532821-001	HK1532821-002	HK1532821-003	HK1532821-004	HK1532821-005	
				10.8	10.9	10.8	10.8	10.8	
				27.2	29.8	33.8	25.1	32.5	



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 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

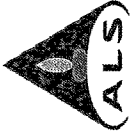
Compound	CAS Number	LOR	Client sample ID		A6 RESIDUE BE	A7 RESIDUE BE	A8 RESIDUE BE	A9 RESIDUE BE	A10 RESIDUE BE
			Client sampling date / time	Unit					
EA002: pH Value	—	0.1	10.8	pH Unit	31-AUG-2015 13:30	31-AUG-2015 14:10	31-AUG-2015 14:45	31-AUG-2015 15:00	31-AUG-2015 16:00
EA055: Moisture Content (dried @ 103°C)	—	0.1	34.8	%	HK1532821-006	HK1532821-007	HK1532821-008	HK1532821-009	HK1532821-010

Sub-Matrix: SOLID



Page Number : 5 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Compound	CAS Number	LOR	Unit	Client sample ID				
				Client sampling date / time	A11 RESIDUE BE	A12 RESIDUE BE	A13 RESIDUE BE	A14 RESIDUE BE
				01-SEP-2015 07:30	01-SEP-2015 08:15	01-SEP-2015 09:05	01-SEP-2015 10:00	01-SEP-2015 10:30
				HK1532821-011	HK1532821-012	HK1532821-013	HK1532821-014	HK1532821-015
EA/ED: Physical and Aggregate Properties								
EA002: pH Value		0.1	pH Unit	10.8	10.9	11.0	11.0	11.0
EA055: Moisture Content (dried @ 103°C)		0.1	%	27.4	25.4	25.3	22.5	18.7



Page Number : 6 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Sub-Matrix: SOLID	Client sample ID		Client sampling date / time		Client sampling date / time		Client sampling date / time		Client sampling date / time	
	CAS Number	LOR	Unit	A16 RESIDUE BE	A17 RESIDUE BE	A18 RESIDUE BE	A19 RESIDUE BE	A20 RESIDUE BE		
EA1ED: Physical and Aggregate Properties				01-SEP-2015 11:00	01-SEP-2015 11:20	01-SEP-2015 12:10	01-SEP-2015 13:15	01-SEP-2015 13:55		
EA002: pH Value	—	0.1	pH Unit	11.0	11.0	11.0	11.0	11.1		
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	21.4	29.2	27.5	30.0	22.4		
				HK1532821-016	HK1532821-017	HK1532821-018	HK1532821-019	HK1532821-020		



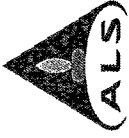
Page Number : 7 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Sub-Matrix: SOLID	Client sample ID		Client sampling date / time		Client sampling date / time	
	CAS Number	LOR	Unit	Unit	Unit	Unit
				A21 RESIDUE BE	A22 RESIDUE BE	A23 RESIDUE BE
				01-SEP-2015 14:30	01-SEP-2015 15:10	01-SEP-2015 15:30
				HK1532821-021	HK1532821-022	HK1532821-023
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---	0.1	pH Unit	11.0	11.1	11.0
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	27.8	25.0	25.0

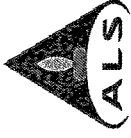


Page Number : 8 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

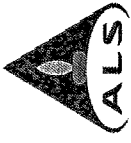
Compound	CAS Number	LOR	Client sample ID		A1 RESIDUE BE	A2 RESIDUE BE	A3 RESIDUE BE	A4 RESIDUE BE	A5 RESIDUE BE
			Client sampling date / time	Unit					
Sub-Matrix: TCLP LEACHATE									
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1			<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	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	2	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	7440-51-5	1			<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1			<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1			2	2	2	2	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number									
					2	2	2	2	2



Compound	CAS Number	LOR	Client sampling date / time		Client sample ID	
			Unit	Result	Unit	Result
Sub-Matrix: TCLP LEACHATE						
EG: Metals and Major Cations - Filtered						
EG020: Antimony	7440-36-0	1	mg/kg	<1	A11 RESIDUE BE 01-SEP-2015 12:00 HK1532821-011	A12 RESIDUE BE 01-SEP-2015 12:00 HK1532821-012
EG020: Arsenic	7440-38-2	1	mg/kg	<1	A13 RESIDUE BE 01-SEP-2015 12:00 HK1532821-013	A14 RESIDUE BE 01-SEP-2015 12:00 HK1532821-014
EG020: Barium	7440-39-3	1	mg/kg	<1	A15 RESIDUE BE 01-SEP-2015 12:00 HK1532821-015	
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	2		
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	7440-51-5	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						
				2	2	2



Sub-Matrix: TCLP LEACHATE		Client sample ID		A16 RESIDUE BE	A17 RESIDUE BE	A18 RESIDUE BE	A19 RESIDUE BE	A20 RESIDUE BE
Compound	CAS Number	LOR	Client sampling date / time	Unit	Unit	Unit	Unit	Unit
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					2	2	2	2



Page Number : 12 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Sub-Matrix: TCLP LEACHATE		Client sample ID		Client sampling date / time		
Compound	CAS Number	LOF	Unit	A21 RESIDUE BE	A22 RESIDUE BE	A23 RESIDUE BE
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	1	<1	1
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	7440-31-5	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	<1	<1	<1
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	Laboratory Duplicate (DUP) Report				RPD (%)
					Unit	Original Result	Duplicate Result	RPD (%)	
EA/ED: Physical and Aggregate Properties (QC Lot: 4016333)									
HK1532810-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.1	24.5	1.6	
HK1532810-011	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	27.9	27.6	1.0	
EA/ED: Physical and Aggregate Properties (QC Lot: 4016334)									
HK1532821-005	A5 RESIDUE BE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	32.5	32.9	1.3	
HK1532821-015	A15 RESIDUE BE	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	18.7	19.0	1.5	
EA/ED: Physical and Aggregate Properties (QC Lot: 4016336)									
HK1532810-001	Anonymous	EA002: pH Value	---	0.1	pH Unit	11.0	11.0	0.0	
EA/ED: Physical and Aggregate Properties (QC Lot: 4016337)									
HK1532810-011	Anonymous	EA002: pH Value	---	0.1	pH Unit	11.1	11.0	0.0	

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

Method/Compound	CAS Number	LOR	Unit	Result	Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
					CAS Number	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value
EG: Metals and Major Cations - Filtered (QC Lot: 4017162)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	92.7	76	118	---	---	---	
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	101	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	105	74	122	---	---	---	
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	98.0	79	117	---	---	---	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.6	78	120	---	---	---	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	104	78	118	---	---	---	
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.4	79	115	---	---	---	
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	89.0	76	120	---	---	---	
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	78	120	---	---	---	
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	101	81	119	---	---	---	
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	87.5	76	114	---	---	---	
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	102	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	102	78	124	---	---	---	
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.7	70	130	---	---	---	
EG: Metals and Major Cations - Filtered (QC Lot: 4017163)												
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.1	76	118	---	---	---	
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	106	72	124	---	---	---	
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	118	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	102	79	117	---	---	---	
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	98.0	78	120	---	---	---	
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	102	78	118	---	---	---	

Matrix: WATER



Page Number : 14 of 15
 Client : VEOLIA WATER-LEIGHTON-JOHN HOLLAND JOINT VENTURE
 Work Order : HK1532821

Matrix: WATER

Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicates (DCS) Report										
Method/Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Low (%)	Recovery High (%)	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 4017163) - Continued												
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	98.5	---	79	115	---	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	96.5	---	76	120	---	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	---	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	87.3	---	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	100	---	78	124	---	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	92.9	---	70	130	---	---	---



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 (%)	
				Low	High	Value	Control Limit		
EG: Metals and Major Cations - Filtered (QC Lot: 4017162)									
HK1532810-001	Anonymous	EG020: Antimony	7440-36-0	1 mg/L	109	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	106	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	108	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	98.4	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	103	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	98.2	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	84.4	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	102	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	95.0	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	104	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	120	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	83.5	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	103	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	110	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	103	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	87.6	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 4017163)									
HK1532821-005	A5 RESIDUE BE	EG020: Antimony	7440-36-0	1 mg/L	110	---	75	125	---
		EG020: Arsenic	7440-38-2	1 mg/L	97.4	---	75	125	---
		EG020: Barium	7440-39-3	1 mg/L	104	---	75	125	---
		EG020: Beryllium	7440-41-7	1 mg/L	95.9	---	75	125	---
		EG020: Cadmium	7440-43-9	1 mg/L	96.2	---	75	125	---
		EG020: Chromium	7440-47-3	1 mg/L	87.3	---	75	125	---
		EG020: Copper	7440-50-8	1 mg/L	78.5	---	75	125	---
		EG020: Lead	7439-92-1	1 mg/L	100	---	75	125	---
		EG020: Mercury	7439-97-6	0.02 mg/L	118	---	75	125	---
		EG020: Nickel	7440-02-0	1 mg/L	97.0	---	75	125	---
		EG020: Selenium	7782-49-2	1 mg/L	121	---	75	125	---
		EG020: Silver	7440-22-4	1 mg/L	87.4	---	75	125	---
		EG020: Thallium	7440-28-0	1 mg/L	97.6	---	75	125	---
		EG020: Tin	7440-31-5	1 mg/L	102	---	75	125	---
		EG020: Vanadium	7440-62-2	1 mg/L	99.5	---	75	125	---
		EG020: Zinc	7440-66-6	1 mg/L	80.4	---	75	125	---