May 2015

Testing Parameters	Limit	Result														
		Sampling Date	1-May-15	1-May-15	1-May-15	1-May-15	2-May-15	2-May-15	1-May-15	1-May-15	1-May-15	1-May-15	1-May-15	1-May-15	1-May-15	1-May-15	1-May-15
		ALS sample number	LIK1514412-003	LIK1514412-004	LIK1514412-005	LIK1514412-006	LIK1514412-007	LIK1514412-008	LIK1514412-011	LIK1514412-012	LIK1514412-013	LIK1514412-014	LIK1514412-015	LIK1514412-016	LIK1514412-017	LIK1514412-018	LIK1514412-019
		Sample Type	ASH	ASH	ASH	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
pH	>8		9.4	9.4	9.3	9.4	9.6	9.4	10.4	10.7	10.6	10.7	10.7	10.8	10.8	10.8	10.8
TCLP metals	mg/kg																
Cadmium (Cd)	< 10		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium (Cr)	< 50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper (Cu)	< 250		<1	<1	<1	<1	<1	<1	2	1	1	2	2	2	2	1	1
Nickel (Ni)	<250		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)	<50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc (Zn)	<250		<1	<1	<1	<1	<1	<1	2	<1	1	1	1	1	1	<1	<1
Mercury (Hg)	<1		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tin (Sn)	<250		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver (Ag)	<50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Antimony (Sb)	<150		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic (As)	<50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium (Be)	<10		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium (Tl)	<50		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium (V)	<250		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Selenium (Se)	<1		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Barium (Ba)	<1000		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

1-May-15	1-May-15	1-May-15	1-May-15	3-May-15	3-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	5-May-15	6-May-15	6-May-15	6-May-15	6-May-15
HK1514412-020	HK1514412-021	HK1514412-022	HK1514412-023	HK1514412-024	HK1514412-025	HK1514725-001	HK1514725-002	HK1514725-003	HK1514725-004	HK1514725-005	HK1514725-006	HK1514725-007	HK1514725-008	HK1514725-009	HK1514725-010	HK1514725-011	HK1514725-012	HK1514725-013	HK1515171-001	HK1515171-002
RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	RESIDUE	ASH	RESIDUE	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	RESIDUE	ASH	RESIDUE
10.8	10.6	10.6	10.8	10.7	10.9	9.7	9.8	9.5	9.6	10.8	10.6	10.6	10.5	10.6	10.5	10.7	10.1	10.3	9.5	10.6
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	2	2	2	<1	1	1	2	<1	<1	1	<1	2	2	2	2	1	<1	1	<1	2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	1	1	<1	<1	1	2	2	<1	<1	<1	<1	1	1	<1	1	<1	<1	4	<1	1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

6-May-15	6-May-15	6-May-15	6-May-15	6-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	7-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15
HK1515171-003	HK1515171-004	HK1515171-005	HK1515171-006	HK1515171-007	HK1515171-008	HK1515171-009	HK1515171-010	HK1515171-011	HK1515171-012	HK1515171-013	HK1515171-014	HK1515171-015	HK1515171-016	HK1515171-017	HK1515171-018	HK1515443-001	HK1515443-002	HK1515443-003	HK1515443-004	HK1515443-005
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	RESIDUE	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	RESIDUE	RESIDUE	RESIDUE
10.8	10.8	10.8	10.7	10.7	9.8	10.8	9.5	9.4	9.5	10.8	10.7	10.6	10.7	10.6	10.8	9.4	9.6	10.8	10.8	10.7
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	1	1	1	1	<1	1	<1	<1	<1	1	1	1	1	<1	1	<1	<1	1	1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	1	2	<1	<1	<1	1	<1	<1	<1	1	2	1	1	<1	1	<1	<1	2	2	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	0.2	0.2	0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15
	HK1515443-006	HK1515443-007	HK1515443-008	HK1515443-009	HK1515443-010	HK1515443-011	HK1515443-012	HK1515443-013	HK1515443-014	HK1515443-015	HK1515443-016	HK1515443-017	HK1515443-018	HK1515443-019	HK1515443-020	HK1515443-021	HK1515443-022	HK1515443-023	HK1515443-024	HK1515443-025	HK1515443-026
	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
	10.8	10.8	10.7	10.8	10.8	10.8	10.9	10.9	11.0	10.9	10.4	9.8	10.9	11.0	10.9	10.9	11.0	10.9	10.9	10.9	11.0
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	1	1	2	1	1	<1	<1	<1	<1	<1	<1	<1	1	1	1	1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	2	2	2	2	1	2	2	2	2	2	<1	<1	2	2	2	1	2	1	2	2	1
	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	<0.2	0.2	<0.2	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2	<0.2	<0.2
	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	12-May-15	14-May-15	14-May-15	14-May-15	14-May-15	14-May-15
HK1515718-001	HK1515718-002	HK1515718-003	HK1515718-004	HK1515718-005	HK1515718-006	HK1515718-007	HK1515718-008	HK1515718-009	HK1515718-010	HK1515718-011	HK1515718-012	HK1515718-013	HK1515718-014	HK1515718-015	HK1515718-016	HK1516169-001	HK1516169-002	HK1516169-003	HK1516169-004	HK1516169-005
ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
9.6	9.5	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.3	10.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	1	1	1	1	1	<1	<1	<1	<1	<1	1	1	1	1	<1	<1	<1	<1	1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	1	2	1	1	1	1	<1	<1	<1	1	1	1	1	1	1	1	1	1	1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

14-May-15	14-May-15	14-May-15	14-May-15	14-May-15	14-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	18-May-15	19-May-15	19-May-15
HK1516169-006	HK1516169-007	HK1516169-008	HK1516169-009	HK1516169-010	HK1516169-011	HK1516848-001	HK1516848-002	HK1516848-003	HK1516848-004	HK1516848-005	HK1516848-006	HK1516848-007	HK1516848-008	HK1516848-009	HK1516848-010	HK1516848-011	HK1516848-012	HK1516848-013	HK1517342-001	HK1517342-002
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.7	10.8	10.8	10.8	10.8	10.1	9.8	9.7	9.9	10.9	10.8	10.7	9.9	10.9	10.8	10.7	10.6	10.8	10.8	10.7	10.8
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	1	<1	<1	1	<1	<1	1	2	2	3	1	2	2	2	2	2	<1	<1
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<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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HK1517342-003	HK1517342-004	HK1517342-005	HK1517342-006	HK1517342-007	HK1517342-008	HK1517342-009	HK1517342-010	HK1517342-011	HK1517342-012	HK1517342-013	HK1517342-014	HK1517342-015	HK1517342-016	HK1517342-017	HK1517342-018	HK1517342-019	HK1517342-020	HK1517342-021	HK1517342-022	HK1517342-023
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.7	10.7	10.7	10.7	10.8	10.9	10.8	10.8	10.8	10.8	10.9	10.9	10.9	11.0	10.7	10.9	10.7	10.8	10.8	10.8	10.7
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21-May-15	21-May-15	22-May-15	22-May-15	23-May-15	23-May-15	23-May-15	22-May-15	22-May-15	22-May-15	22-May-15	22-May-15	22-May-15	22-May-15	22-May-15	22-May-15	23-May-15	23-May-15	23-May-15	23-May-15	23-May-15
HK1517342-024	HK1517342-025	HK1517566-001	HK1517566-002	HK1517566-003	HK1517566-004	HK1517566-005	HK1517566-006	HK1517566-007	HK1517566-008	HK1517566-009	HK1517566-010	HK1517566-011	HK1517566-012	HK1517566-013	HK1517566-014	HK1517566-015	HK1517566-016	HK1517566-017	HK1517566-018	HK1517566-019
RESIDUE	RESIDUE	ASH	ASH	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.8	10.8	10.1	9.8	9.8	9.7	9.9	10.5	10.5	10.5	10.5	10.4	10.6	10.7	10.5	10.5	10.5	10.6	10.7	10.7	10.9
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HK1517566-020	HK1517566-021	HK1517566-022	HK1517566-023	HK1517566-024	HK1517566-025	HK1517566-026	HK1517566-027	HK1517566-028	HK1517566-029	HK1517566-030	HK1517566-031	HK1517566-032	HK1517566-033	HK1517566-034	HK1517566-035	HK1517566-036	HK1517566-037	HK1517566-038	HK1517566-039	HK1517710-001
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH
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26-May-15	26-May-15	26-May-15	26-May-15	26-May-15	26-May-15	26-May-15	26-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15
HK1517710-002	HK1517710-003	HK1517710-004	HK1517710-005	HK1517710-006	HK1517710-007	HK1517710-008	HK1517710-009	HK1517945-001	HK1517945-002	HK1517945-003	HK1517945-004	HK1517945-005	HK1517945-006	HK1517945-007	HK1517945-008	HK1517945-009	HK1517945-010	HK1517945-011	HK1517945-012	HK1517945-013
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	ASH	ASH	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.9	10.9	11.0	10.8	10.8	10.8	10.8	10.8	10.0	9.8	9.9	9.8	9.9	10.1	9.7	10.5	10.5	10.5	10.4	10.5	10.5
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27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	27-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15	28-May-15
HK1517945-014	HK1517945-015	HK1517945-016	HK1517945-017	HK1517945-018	HK1517945-019	HK1517945-020	HK1517945-021	HK1517945-022	HK1517945-023	HK1517945-024	HK1517945-025	HK1517945-026	HK1517945-027	HK1517945-028	HK1517945-029	HK1517945-030	HK1517945-031	HK1517945-032	HK1517945-033	HK1517945-034
RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.6	10.6	10.6	10.6	10.5	10.6	10.0	10.9	10.9	11.0	10.7	10.8	10.9	10.7	10.6	10.7	10.8	10.7	10.7	10.7	10.8
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<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
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28-May-15	28-May-15	28-May-15	28-May-15	30-May-15	30-May-15	30-May-15	30-May-15	30-May-15	30-May-15	30-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15
HK1517945-035	HK1517945-036	HK1517945-037	HK1517945-038	HK151820-001	HK1518208-002	HK1518208-003	HK1518208-004	HK1518208-005	HK1518208-006	HK1518208-007	HK1518208-008	HK1518208-009	HK1518208-010	HK1518208-011	HK1518208-012	HK1518208-013	HK1518208-014	HK1518208-015	HK1518208-016	HK1518208-017
RESIDUE	RESIDUE	RESIDUE	RESIDUE	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.7	10.7	10.9	10.7	10.0	10.0	10.1	10.5	10.6	10.5	10.6	10.7	10.7	10.6	10.7	10.6	10.5	10.6	10.6	10.6	10.6
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	2	2	2	1	1	1	<1	<1	2	2	<1	2	2	2	<1	<1	2	2	2	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	2	2	2	2	1	1	<1	<1	2	1	<1	1	1	1	<1	<1	1	1	1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
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31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	31-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15	29-May-15
HK1518208-018	HK1518208-019	HK1518208-020	HK1518208-021	HK1518208-022	HK1518208-023	HK1518208-024	HK1518208-025	HK1518208-026	HK1518208-027	HK1518208-028	HK1518208-029	HK1518208-030	HK1518208-031	HK1518208-032	HK1518208-033	HK1518208-034	HK1518208-035	HK1518208-036	HK1518208-037	HK1518208-038
ASH	ASH	ASH	RESIDUE	RESIDUE	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.2	10.0	10.2	10.6	10.6	10.3	10.0	10.1	10.2	10.1	10.1	10.0	9.9	10.1	10.7	10.6	10.7	10.8	10.7	10.7	10.7
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1	1	2	2	1	1	2	2	2	2	2	2	1	2	1	2	1	1	1	1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
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<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

29-May-15	29-May-15	29-May-15	29-May-15
HK1518208-039	HK1518208-040	HK1518208-041	HK1518208-042
RESIDUE	RESIDUE	RESIDUE	RESIDUE
10.8	10.6	10.8	10.8
<1	<1	<1	<1
<1	<1	<1	<1
2	2	2	<1
<1	<1	<1	<1
<1	<1	<1	<1
2	1	1	<1
<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1
<1	<1	<1	<1
<1	<1	<1	<1
<1	<1	<1	<1
<1	<1	<1	<1
<1	<1	<1	<1
<1	<1	<1	<1
<0.2	<0.2	<0.2	<0.2
<1	<1	<1	<1

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 15
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1514412
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 1		
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	: 04-MAY-2015
Order number	: ----			Issue Date	: 06-MAY-2015
C-O-C number	: ----			No. of samples received	: 25
Site	: ----			No. of samples analysed	: 25

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

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 05-MAY-2015

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

Specific comments for Work Order: **HK1514412**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Sample(s) analysed and reported on an as received basis.
pH determined and reported on a 1:5 soil / water extract.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF SHIFT D NIGHT Client sampling date / time: 27-APR-2015 00:00 HK1514412-001	ASH AF SHIFT D NIGHT 28-APR-2015 00:00 HK1514412-002	ASH BE 01-MAY-2015 16:15 HK1514412-003	ASH BE 01-MAY-2015 16:20 HK1514412-004	ASH B 中間灰 01-MAY-2015 17:25 HK1514412-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	9.8	9.9	9.4	9.4	9.3
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	0.5	0.1	24.5	31.9	25.1

Sub-Matrix: SOLID	Client sample ID	ASH B 中間灰	ASH AE	ASH AE	RESIDUE AF SHIFT D NIGHT	RESIDUE AF SHIFT D NIGHT
	Client sampling date / time	01-MAY-2015 17:45	02-MAY-2015 08:00	02-MAY-2015 08:25	27-APR-2015 00:00	28-APR-2015 00:00
Compound	CAS Number / LOR / Unit	HK1514412-006	HK1514412-007	HK1514412-008	HK1514412-009	HK1514412-010
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---- / 0.1 / pH Unit	9.4	9.6	9.4	10.2	10.0
EA055: Moisture Content (dried @ 103°C)	---- / 0.1 / %	16.9	10.7	13.7	0.8	0.6

Sub-Matrix: SOLID	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
	Client sampling date / time	01-MAY-2015 13:50	01-MAY-2015 14:13	01-MAY-2015 14:50	01-MAY-2015 07:40	01-MAY-2015 08:15
Compound	CAS Number / LOR / Unit	HK1514412-011	HK1514412-012	HK1514412-013	HK1514412-014	HK1514412-015
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---- / 0.1 / pH Unit	10.4	10.7	10.6	10.7	10.7
EA055: Moisture Content (dried @ 103°C)	---- / 0.1 / %	23.0	26.2	24.5	24.3	24.8

Sub-Matrix: SOLID			Client sample ID	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF	RESIDUE BF
			Client sampling date / time	01-MAY-2015 08:40	01-MAY-2015 08:40	01-MAY-2015 09:40	01-MAY-2015 10:40	01-MAY-2015 11:20
Compound	CAS Number	LOR	Unit	HK1514412-016	HK1514412-017	HK1514412-018	HK1514412-019	HK1514412-020
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.8	10.8	10.8	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	26.1	21.5	27.2	19.9	25.1

Sub-Matrix: SOLID	Client sample ID	RESIDUE BF	RESIDUE BF	RESIDUE BF	ASH AE	RESIDUE AE
	Client sampling date / time	01-MAY-2015 12:00	01-MAY-2015 12:44	01-MAY-2015 13:22	03-MAY-2015 07:45	03-MAY-2015 08:06
Compound	CAS Number / LOR / Unit	HK1514412-021	HK1514412-022	HK1514412-023	HK1514412-024	HK1514412-025
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---- / 0.1 / pH Unit	10.6	10.6	10.8	10.7	10.9
EA055: Moisture Content (dried @ 103°C)	---- / 0.1 / %	22.0	26.7	22.6	38.1	28.3

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF SHIFT D NIGHT Client sampling date / time: 27-APR-2015 12:00 HK1514412-001	ASH AF SHIFT D NIGHT 28-APR-2015 12:00 HK1514412-002	ASH BE 01-MAY-2015 12:00 HK1514412-003	ASH BE 01-MAY-2015 12:00 HK1514412-004	ASH B 中間灰 01-MAY-2015 12:00 HK1514412-005
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	2	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE

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

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE BF	RESIDUE BF
				Client sampling date / time: 01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00
				HK1514412-011	HK1514412-012	HK1514412-013	HK1514412-014	HK1514412-015
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	2	1	1	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	<1	1	1	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	2	2	2

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

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE BF	RESIDUE BF	RESIDUE BF	ASH AE	RESIDUE AE
				Client sampling date / time: 01-MAY-2015 12:00	01-MAY-2015 12:00	01-MAY-2015 12:00	03-MAY-2015 12:00	03-MAY-2015 12:00
				HK1514412-021	HK1514412-022	HK1514412-023	HK1514412-024	HK1514412-025
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	<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	1	2

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3921465)								
HK1514412-001	ASH AF SHIFT D NIGHT	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	0.5	0.4	26.4
HK1514412-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	23.0	22.6	1.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3921466)								
HK1514412-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.0	21.8	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3922160)								
HK1514412-001	ASH AF SHIFT D NIGHT	EA002: pH Value	----	0.1	pH Unit	9.8	9.8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3922161)								
HK1514412-021	RESIDUE BF	EA002: pH Value	----	0.1	pH Unit	10.6	10.7	0.0

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

Matrix: WATER

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery(%)		Recovery Limits		RPD(%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3922819) - Continued											
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	99.7	----	78	118	----	----
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	111	----	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	95.7	----	81	119	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	99.2	----	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	91.9	----	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	98.4	----	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3922818)										
HK1514412-001	ASH AF SHIFT D NIGHT	EG020: Antimony	7440-36-0	1 mg/L	101	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	110	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	106	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	105	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	95.6	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	102	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	102	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	105	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	112	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	101	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	113	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	89.0	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	97.7	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	98.0	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	107	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	104	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3922819)										
HK1514412-021	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	99.9	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	109	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	102	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	101	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	95.0	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	107	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	77.3	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	102	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	112	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	102	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	124	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	75.9	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	99.1	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	97.8	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	110	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	92.0	----	75	125	----	----

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 10
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1514725
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	: 06-MAY-2015
Order number	: ----			Issue Date	: 08-MAY-2015
C-O-C number	: ----			No. of samples received	: 13
Site	: ----			No. of samples analysed	: 13

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**

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: 07-MAY-2015

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

Specific comments for Work Order: **HK1514725**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID	ASH AF SHIFT D NIGHT	RESIDUE AF SHIFT D NIGHT	ASH AF	ASH AF	RESIDUE AF
				Client sampling date / time	05-MAY-2015 00:00	05-MAY-2015 00:00	05-MAY-2015 14:00	05-MAY-2015 13:10	05-MAY-2015 17:30
					HK1514725-001	HK1514725-002	HK1514725-003	HK1514725-004	HK1514725-005
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	pH Unit		9.7	9.8	9.5	9.6	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		0.2	0.8	26.8	9.6	19.8

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	05-MAY-2015 11:10	05-MAY-2015 14:45	05-MAY-2015 15:45	05-MAY-2015 09:40	05-MAY-2015 10:20
Compound	CAS Number	LOR	Unit	HK1514725-006	HK1514725-007	HK1514725-008	HK1514725-009	HK1514725-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.6	10.6	10.5	10.6	10.5
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.8	24.9	24.7	22.7	27.4

Sub-Matrix: **SOLID**				*Client sample ID*	**RESIDUE AF**	**ASH AF SHIFT D NIGHT**	**RESIDUE AF SHIFT D NIGHT**		
				Client sampling date / time	05-MAY-2015 09:00	06-MAY-2015 00:00	06-MAY-2015 00:00		
Compound	*CAS Number*	*LOR*	*Unit*		**HK1514725-011**	**HK1514725-012**	**HK1514725-013**		
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	pH Unit		**10.7**	**10.1**	**10.3**		
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		**25.6**	<0.1	**0.2**		

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF SHIFT D NIGHT	RESIDUE AF SHIFT D NIGHT	ASH AF	ASH AF	RESIDUE AF
			Client sampling date / time	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00
				HK1514725-001	HK1514725-002	HK1514725-003	HK1514725-004	HK1514725-005
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	2	2	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	1	2	1	1	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00	05-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1514725-006	HK1514725-007	HK1514725-008	HK1514725-009	HK1514725-010
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	2	2	2
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		<1	1	1	<1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	—	-	-		1	2	2	2	2

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	ASH AF SHIFT D NIGHT	RESIDUE AF SHIFT D NIGHT		
				Client sampling date / time: 05-MAY-2015 12:00	06-MAY-2015 12:00	06-MAY-2015 12:00		
				HK1514725-011	HK1514725-012	HK1514725-013		
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	<1	<1	4		
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	2	1	2		

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3924413)								
HK1514725-001	ASH AF SHIFT D NIGHT	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	0.2	0.2	0.0
HK1514725-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	25.6	25.4	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3925106)								
HK1514725-011	RESIDUE AF	EA002: pH Value	—	0.1	pH Unit	10.7	10.6	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3925296)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	101	—	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	108	—	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	96.3	—	79	117	—	—
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	104	—	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	97.6	—	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	114	—	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	104	—	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	105	—	81	113	—	—
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.0	—	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	97.0	—	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3925296)										
HK1514725-001	ASH AF SHIFT D NIGHT	EG020: Antimony	7440-36-0	1 mg/L	99.2	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	107	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	107	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	106	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	96.5	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	104	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	91.3	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	99.5	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	118	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	103	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	116	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	101	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	104	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	97.4	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	108	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	82.8	---	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 12
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1515171
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	: 08-MAY-2015
Order number	: ----			Issue Date	: 12-MAY-2015
C-O-C number	: ----			No. of samples received	: 18
Site	: ----			No. of samples analysed	: 18

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**

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: 09-MAY-2015

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

Specific comments for Work Order: **HK1515171**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF Client sampling date / time: 06-MAY-2015 17:50 HK1515171-001	Client sample ID: RESIDUE AF Client sampling date / time: 06-MAY-2015 11:20 HK1515171-002	Client sample ID: RESIDUE AF Client sampling date / time: 06-MAY-2015 15:35 HK1515171-003	Client sample ID: RESIDUE AF Client sampling date / time: 06-MAY-2015 14:26 HK1515171-004	Client sample ID: RESIDUE AF Client sampling date / time: 06-MAY-2015 13:20 HK1515171-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**9.5**	**10.6**	**10.8**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**14.6**	**26.2**	**24.3**	**28.9**	**24.8**

Sub-Matrix: **SOLID**			*Client sample ID*	RESIDUE AF	RESIDUE AF	ASH AF MONTHLY SAMPLE	RESIDUE AF MONTHLY SAMPLE	ASH AF
			Client sampling date / time	06-MAY-2015 09:40	06-MAY-2015 08:50	[07-MAY-2015]	[07-MAY-2015]	07-MAY-2015 16:00
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515171-006**	**HK1515171-007**	**HK1515171-008**	**HK1515171-009**	**HK1515171-010**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.7**	**10.7**	**9.8**	**10.8**	**9.5**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**26.8**	**26.7**	**9.4**	**26.5**	**9.8**

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	07-MAY-2015 08:00	07-MAY-2015 17:15	07-MAY-2015 09:00	07-MAY-2015 01:50	07-MAY-2015 11:55
					HK1515171-011	HK1515171-012	HK1515171-013	HK1515171-014	HK1515171-015
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	pH Unit		9.4	9.5	10.8	10.7	10.6
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		12.7	13.6	24.9	23.0	24.5

Sub-Matrix: **SOLID**

			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF		
			Client sampling date / time	07-MAY-2015 11:00	07-MAY-2015 12:44	07-MAY-2015 14:50		
Compound	CAS Number	LOR	Unit	HK1515171-016	HK1515171-017	HK1515171-018		
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.7**	**10.6**	**10.8**		
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**20.3**	**26.8**	**17.4**		

Sub-Matrix: **TCLP LEACHATE**

				Client sample ID	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	06-MAY-2015 12:00	06-MAY-2015 12:00	06-MAY-2015 12:00	06-MAY-2015 12:00	06-MAY-2015 12:00
Compound	*CAS Number*	*LOR*	*Unit*		HK1515171-001	HK1515171-002	HK1515171-003	HK1515171-004	HK1515171-005
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	1	1	1	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		1	2	2	2	2

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID	RESIDUE AF	RESIDUE AF	ASH AF MONTHLY SAMPLE	RESIDUE AF MONTHLY SAMPLE	ASH AF
				Client sampling date / time	06-MAY-2015 12:00	06-MAY-2015 12:00	[07-MAY-2015]	[07-MAY-2015]	07-MAY-2015 12:00
					HK1515171-006	HK1515171-007	HK1515171-008	HK1515171-009	HK1515171-010
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	2	1

Sub-Matrix: **TCLP LEACHATE**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID*	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	07-MAY-2015 12:00	07-MAY-2015 12:00	07-MAY-2015 12:00	07-MAY-2015 12:00	07-MAY-2015 12:00
					HK1515171-011	HK1515171-012	HK1515171-013	HK1515171-014	HK1515171-015
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	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		<1	<1	1	2	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		1	1	2	2	2

Sub-Matrix: TCLP LEACHATE			*Client sample ID*	RESIDUE AF	RESIDUE AF	RESIDUE AF		
			Client sampling date / time	07-MAY-2015 12:00	07-MAY-2015 12:00	07-MAY-2015 12:00		
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515171-016**	**HK1515171-017**	**HK1515171-018**		
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1		
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1		
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1		
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1		
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1		
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1		
EG020: Copper	7440-50-8	1	mg/kg	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	1	2		

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3927139)								
HK1515171-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	14.6	14.5	0.0
HK1515171-011	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	12.7	12.6	0.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3927611)								
HK1515171-001	ASH AF	EA002: pH Value	---	0.1	pH Unit	9.5	9.5	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3927609)											
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	106	---	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	110	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	97.2	---	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	113	---	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	99.8	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	94.3	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	99.0	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	95.7	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	113	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.0	---	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3927609)										
HK1515171-001	ASH AF	**EG020: Antimony**	7440-36-0	1 mg/L	106	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	111	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	110	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	108	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	111	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	103	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	105	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	104	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	114	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	111	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	115	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	80.0	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	99.2	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	99.7	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	116	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	91.2	---	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 17
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1515443
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	: 11-MAY-2015
Order number	: ----			Issue Date	: 13-MAY-2015
C-O-C number	: ----			No. of samples received	: 26
Site	: ----			No. of samples analysed	: 26

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**

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 12-MAY-2015

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

Specific comments for Work Order: **HK1515443**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	08-MAY-2015 10:50	09-MAY-2015 09:00	08-MAY-2015 14:00	08-MAY-2015 15:30	08-MAY-2015 09:00
					HK1515443-001	HK1515443-002	HK1515443-003	HK1515443-004	HK1515443-005
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	---	0.1	pH Unit		9.4	9.6	10.8	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		12.7	10.0	24.6	24.1	22.1

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	08-MAY-2015 11:55	08-MAY-2015 15:00	08-MAY-2015 17:15	08-MAY-2015 12:40	08-MAY-2015 07:50
Compound	CAS Number	LOR	Unit	HK1515443-006	HK1515443-007	HK1515443-008	HK1515443-009	HK1515443-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.8**	**10.8**	**10.7**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**24.6**	**24.6**	**24.1**	**22.9**	**25.1**

Sub-Matrix: **SOLID**			*Client sample ID*	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	09-MAY-2015 11:20	09-MAY-2015 07:50	09-MAY-2015 13:20	09-MAY-2015 14:20	09-MAY-2015 15:00
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515443-011**	**HK1515443-012**	**HK1515443-013**	**HK1515443-014**	**HK1515443-015**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.8**	**10.9**	**10.9**	**11.0**	**10.9**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**22.4**	**23.7**	**23.4**	**23.3**	**21.2**

Sub-Matrix: **SOLID**			*Client sample ID*	**ASH AF**	**ASH AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	10-MAY-2015 09:00	10-MAY-2015 10:00	10-MAY-2015 11:00	10-MAY-2015 11:40	10-MAY-2015 12:30
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515443-016**	**HK1515443-017**	**HK1515443-018**	**HK1515443-019**	**HK1515443-020**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	**10.4**	**9.8**	**10.9**	**11.0**	**10.9**
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	**8.1**	**10.2**	**21.6**	**25.0**	**24.9**

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	10-MAY-2015 13:15	10-MAY-2015 14:10	10-MAY-2015 15:30	10-MAY-2015 07:50	10-MAY-2015 14:00
Compound	CAS Number	LOR	Unit	HK1515443-021	HK1515443-022	HK1515443-023	HK1515443-024	HK1515443-025
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.9	11.0	10.9	10.9	10.9
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	25.1	28.8	25.9	21.3	24.8

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF				
			Client sampling date / time	10-MAY-2015 16:30				
Compound	CAS Number	LOR	Unit	HK1515443-026				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**11.0**				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**26.6**				

Sub-Matrix: **TCLP LEACHATE**

Compound	CAS Number	LOR	Unit	Client sample ID	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00
					HK1515443-001	HK1515443-002	HK1515443-003	HK1515443-004	HK1515443-005
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	2	2	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		1	1	2	2	1

Sub-Matrix: **TCLP LEACHATE**

Compound	CAS Number	LOR	Unit	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00
					HK1515443-006	HK1515443-007	HK1515443-008	HK1515443-009	HK1515443-010
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	2	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		2	2	2	2	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		2	2	2	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1515443-011	HK1515443-012	HK1515443-013	HK1515443-014	HK1515443-015
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	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		2	2	2	2	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		2	2	2	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1515443-016	HK1515443-017	HK1515443-018	HK1515443-019	HK1515443-020
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	2	2	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		1	1	2	2	2

Sub-Matrix: **TCLP LEACHATE**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID*	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00	12-MAY-2015 12:00
					HK1515443-021	**HK1515443-022**	**HK1515443-023**	**HK1515443-024**	**HK1515443-025**
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**	**2**	**1**	**2**	**2**
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 AF				
				Client sampling date / time: 12-MAY-2015 12:00				
				HK1515443-026				
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				

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3928931)								
HK1515443-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	12.7	12.1	4.9
HK1515443-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	22.4	22.6	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3928932)								
HK1515443-021	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	25.1	24.9	0.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3929566)								
HK1515443-001	ASH AF	EA002: pH Value	—	0.1	pH Unit	9.4	9.3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3929567)								
HK1515443-021	RESIDUE AF	EA002: pH Value	—	0.1	pH Unit	10.9	10.9	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3930256)											
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	107	—	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	97.0	—	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	106	—	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	89.8	—	79	115	—	—
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	—	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	98.9	—	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	92.5	—	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	92.2	—	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	104	—	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	106	—	70	130	—	—
EG: Metals and Major Cations - Filtered (QC Lot: 3930257)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	98.4	—	76	118	—	—
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.7	—	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	100	—	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	98.1	—	78	120	—	—
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	97.7	—	78	118	—	—
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	92.7	—	79	115	—	—

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3930257) - Continued											
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	112	—	76	120	—	—
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	93.9	—	78	120	—	—
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	113	—	81	119	—	—
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	90.2	—	76	114	—	—
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	93.3	—	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	98.4	—	78	124	—	—
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	97.0	—	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3930256)										
HK1515443-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	106	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	100	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	101	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	100	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	106	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	106	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	95.8	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	95.9	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	118	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	98.3	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	119	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	87.0	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	97.3	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	103	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	104	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	98.7	---	75	125	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3930257)										
HK1515443-021	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	105	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	106	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	100	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	115	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	102	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	111	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	86.3	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	93.2	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	112	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	102	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	117	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	79.8	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	95.0	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	101	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	110	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	93.4	---	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 12
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1515718
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	: 13-MAY-2015
Order number	: ----			Issue Date	: 15-MAY-2015
C-O-C number	: ----			No. of samples received	: 16
Site	: ----			No. of samples analysed	: 16

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**

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 14-MAY-2015

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

Specific comments for Work Order: **HK1515718**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 11-MAY-2015 07:45	11-MAY-2015 17:30	[11-MAY-2015]	11-MAY-2015 08:45	11-MAY-2015 09:45
				HK1515718-001	HK1515718-002	HK1515718-003	HK1515718-004	HK1515718-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**9.6**	**9.5**	**10.7**	**10.7**	**10.7**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**11.2**	**15.5**	**25.5**	**21.8**	**25.4**

Sub-Matrix: **SOLID**

			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	ASH AF
			Client sampling date / time	11-MAY-2015 11:15	11-MAY-2015 12:00	11-MAY-2015 14:15	11-MAY-2015 16:20	12-MAY-2015 08:40
Compound	CAS Number	LOR	Unit	HK1515718-006	HK1515718-007	HK1515718-008	HK1515718-009	HK1515718-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.7**	**10.7**	**10.7**	**10.8**	**10.3**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**24.5**	**22.6**	**24.6**	**26.7**	**19.2**

Sub-Matrix: **SOLID**			*Client sample ID*	**ASH AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	12-MAY-2015 08:00	12-MAY-2015 15:30	12-MAY-2015 13:20	12-MAY-2015 16:35	12-MAY-2015 17:10
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515718-011**	**HK1515718-012**	**HK1515718-013**	**HK1515718-014**	**HK1515718-015**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.4**	**10.8**	**10.8**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**14.5**	**21.6**	**22.0**	**22.7**	**22.7**

Sub-Matrix: **SOLID**			*Client sample ID*	**RESIDUE AF**				
			Client sampling date / time	12-MAY-2015 14:20				
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515718-016**				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.8**				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**25.2**				

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID	ASH AF	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	11-MAY-2015 12:00	11-MAY-2015 12:00	[11-MAY-2015]	11-MAY-2015 12:00	11-MAY-2015 12:00
					HK1515718-001	HK1515718-002	HK1515718-003	HK1515718-004	HK1515718-005
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	2	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	---	-	-		1	1	2	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	ASH AF
				Client sampling date / time	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1515718-006	HK1515718-007	HK1515718-008	HK1515718-009	HK1515718-010
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	1

Sub-Matrix: TCLP LEACHATE				Client sample ID	ASH AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00	11-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1515718-011	HK1515718-012	HK1515718-013	HK1515718-014	HK1515718-015
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	7440-62-2	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

Sub-Matrix: **TCLP LEACHATE**			*Client sample ID*	**RESIDUE AF**				
			Client sampling date / time	11-MAY-2015 12:00				
Compound	*CAS Number*	*LOR*	*Unit*	**HK1515718-016**				
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				

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3931777)								
HK1515718-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	11.2	11.5	2.5
HK1515718-011	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	14.5	14.7	1.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3932431)								
HK1515718-001	ASH AF	EA002: pH Value	---	0.1	pH Unit	9.6	9.6	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3932996)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	114	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	122	---	72	124	---	---
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	103	---	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	113	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	114	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	114	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	90.5	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	116	---	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	103	---	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	109	---	79	119	---	---
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	114	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	113	---	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3932996)										
HK1515718-001	ASH AF	**EG020: Antimony**	7440-36-0	1 mg/L	123	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	118	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	120	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	117	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	121	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	110	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	104	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	113	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	98.0	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	109	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	123	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	89.2	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	108	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	116	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	112	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	97.2	---	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 10
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1516169
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	: 15-MAY-2015
Order number	: ----			Issue Date	: 20-MAY-2015
C-O-C number	: ----			No. of samples received	: 11
Site	: ----			No. of samples analysed	: 11

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**

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-MAY-2015

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

Specific comments for Work Order: **HK1516169**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	13-MAY-2015 08:55	13-MAY-2015 10:40	13-MAY-2015 08:00	14-MAY-2015 16:20	14-MAY-2015 15:40
Compound	CAS Number	LOR	Unit	HK1516169-001	HK1516169-002	HK1516169-003	HK1516169-004	HK1516169-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.8**	**10.8**	**10.8**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**23.9**	**22.0**	**28.0**	**26.0**	**24.1**

Sub-Matrix: **SOLID**

			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	14-MAY-2015 11:40	14-MAY-2015 15:10	14-MAY-2015 17:10	14-MAY-2015 14:20	14-MAY-2015 13:30
Compound	*CAS Number*	*LOR*	*Unit*	**HK1516169-006**	**HK1516169-007**	**HK1516169-008**	**HK1516169-009**	**HK1516169-010**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.7**	**10.8**	**10.8**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**22.3**	**25.0**	**26.5**	**24.9**	**25.3**

Sub-Matrix: SOLID			Client sample ID	ASH AF				
			Client sampling date / time	14-MAY-2015 11:00				
Compound	CAS Number	LOR	Unit	HK1516169-011				
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.1				
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	8.6				

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00
				HK1516169-001	HK1516169-002	HK1516169-003	HK1516169-004	HK1516169-005
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	---	-	-	2	2	2	2	2

Sub-Matrix: **TCLP LEACHATE**

Compound	CAS Number	LOR	Unit	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00	14-MAY-2015 12:00
					HK1516169-006	HK1516169-007	HK1516169-008	HK1516169-009	HK1516169-010
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		2	<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: ASH AF Client sampling date / time: 14-MAY-2015 12:00 HK1516169-011				
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	---	-	--	1				

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3935066)								
HK1516169-001	RESIDUE AF	**EA055: Moisture Content (dried @ 103°C)**	---	0.1	%	23.9	24.1	0.8
HK1516169-011	ASH AF	**EA055: Moisture Content (dried @ 103°C)**	---	0.1	%	8.6	8.5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3935494)								
HK1516169-001	RESIDUE AF	**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: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3935079)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	111	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	116	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	117	---	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	108	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	109	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	107	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	100	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	110	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	103	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	98.3	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	97.5	---	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	105	---	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	101	---	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3935079)										
HK1516169-001	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	101	—	75	125	—	—
		EG020: Arsenic	7440-38-2	1 mg/L	81.5	—	75	125	—	—
		EG020: Barium	7440-39-3	1 mg/L	99.6	—	75	125	—	—
		EG020: Beryllium	7440-41-7	1 mg/L	106	—	75	125	—	—
		EG020: Cadmium	7440-43-9	1 mg/L	106	—	75	125	—	—
		EG020: Chromium	7440-47-3	1 mg/L	104	—	75	125	—	—
		EG020: Copper	7440-50-8	1 mg/L	94.9	—	75	125	—	—
		EG020: Lead	7439-92-1	1 mg/L	99.5	—	75	125	—	—
		EG020: Mercury	7439-97-6	0.02 mg/L	110	—	75	125	—	—
		EG020: Nickel	7440-02-0	1 mg/L	99.6	—	75	125	—	—
		EG020: Selenium	7782-49-2	1 mg/L	101	—	75	125	—	—
		EG020: Silver	7440-22-4	1 mg/L	87.8	—	75	125	—	—
		EG020: Thallium	7440-28-0	1 mg/L	102	—	75	125	—	—
		EG020: Tin	7440-31-5	1 mg/L	107	—	75	125	—	—
		EG020: Vanadium	7440-62-2	1 mg/L	102	—	75	125	—	—
		EG020: Zinc	7440-66-6	1 mg/L	93.6	—	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 10
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1516848
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		
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Telephone	: +852 2910 9709	Telephone	: +852 2610 1044		
Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021		
Project	: ----	Quote number	: ----	Date Samples Received	: 20-MAY-2015
Order number	: ----			Issue Date	: 22-MAY-2015
C-O-C number	: ----			No. of samples received	: 13
Site	: ----			No. of samples analysed	: 13

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**

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: 21-MAY-2015

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

Specific comments for Work Order: **HK1516848**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	ASH AF	RESIDUE AE	RESIDUE AF
				Client sampling date / time: 18-MAY-2015 14:20	18-MAY-2015 14:50	18-MAY-2015 16:50	18-MAY-2015 15:20	18-MAY-2015 10:40
				HK1516848-001	HK1516848-002	HK1516848-003	HK1516848-004	HK1516848-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**9.8**	**9.7**	**9.9**	**10.9**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**16.4**	**15.8**	**10.2**	**16.9**	**24.0**

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	18-MAY-2015 09:15	18-MAY-2015 12:30	18-MAY-2015 13:10	18-MAY-2015 09:00	18-MAY-2015 07:40
Compound	CAS Number	LOR	Unit	HK1516848-006	HK1516848-007	HK1516848-008	HK1516848-009	HK1516848-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.7	9.9	10.9	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	21.5	9.4	21.5	21.3	22.9

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF		
			Client sampling date / time	18-MAY-2015 10:01	18-MAY-2015 09:40	18-MAY-2015 11:20		
Compound	CAS Number	LOR	Unit	HK1516848-011	HK1516848-012	HK1516848-013		
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.6	10.8	10.8		
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.4	24.9	22.8		

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	ASH AF	RESIDUE AE	RESIDUE AF
				Client sampling date / time: 18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00
				HK1516848-001	HK1516848-002	HK1516848-003	HK1516848-004	HK1516848-005
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	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	<1	<1	1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	1	1	1	2	2

Sub-Matrix: **TCLP LEACHATE**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID*	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00
					HK1516848-006	**HK1516848-007**	**HK1516848-008**	**HK1516848-009**	**HK1516848-010**
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg		<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg		**2**	**3**	**1**	**2**	**2**
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		<1	**2**	<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 AF	RESIDUE AF	RESIDUE AF		
				Client sampling date / time: 18-MAY-2015 12:00	18-MAY-2015 12:00	18-MAY-2015 12:00		
				HK1516848-011	HK1516848-012	HK1516848-013		
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	2	2	2		
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1		
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2		
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1		
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2		
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1		
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1		
EG020: Tin	7440-31-5	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

Matrix: SOIL

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: 3938371)								
HK1516848-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	16.4	16.4	0.0
HK1516848-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	24.4	24.6	0.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3939003)								
HK1516848-001	ASH AF	EA002: pH Value	---	0.1	pH Unit	9.8	9.8	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3939581)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	87.9	---	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	109	---	80	120	---	---
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	99.6	---	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	104	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	107	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	107	---	79	115	---	---
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	106	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	95.1	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	98.8	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	108	---	81	113	---	---
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	88.9	---	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	93.1	---	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3939581)										
HK1516848-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	91.6	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	105	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	110	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	100	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	99.6	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	105	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	80.3	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	93.8	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	111	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	98.1	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	99.9	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	84.6	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	95.9	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	88.4	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	103	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	79.3	---	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 15
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1517342
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	: 22-MAY-2015
Order number	: ----			Issue Date	: 28-MAY-2015
C-O-C number	: ----			No. of samples received	: 25
Site	: ----			No. of samples analysed	: 25

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**

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-MAY-2015

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

Specific comments for Work Order: **HK1517342**

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

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

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

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

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

Analytical Results

Sub-Matrix: **SOLID**

Compound	CAS Number	LOR	Unit	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	19-MAY-2015 07:40	19-MAY-2015 08:10	19-MAY-2015 08:50	19-MAY-2015 09:15	19-MAY-2015 11:00
					HK1517342-001	HK1517342-002	HK1517342-003	HK1517342-004	HK1517342-005
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		**10.7**	**10.8**	**10.7**	**10.7**	**10.7**
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**20.5**	**24.3**	**23.9**	**29.2**	**28.3**

Sub-Matrix: **SOLID**			*Client sample ID*	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	19-MAY-2015 17:00	20-MAY-2015 09:50	20-MAY-2015 09:10	20-MAY-2015 14:30	20-MAY-2015 15:45
Compound	*CAS Number*	*LOR*	*Unit*	**HK1517342-006**	**HK1517342-007**	**HK1517342-008**	**HK1517342-009**	**HK1517342-010**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.7**	**10.8**	**10.9**	**10.8**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**22.9**	**21.0**	**23.7**	**25.9**	**22.8**

Sub-Matrix: **SOLID**			*Client sample ID*	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	20-MAY-2015 16:15	20-MAY-2015 10:55	20-MAY-2015 14:00	20-MAY-2015 10:20	20-MAY-2015 08:40
Compound	*CAS Number*	*LOR*	*Unit*	**HK1517342-011**	**HK1517342-012**	**HK1517342-013**	**HK1517342-014**	**HK1517342-015**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**10.8**	**10.8**	**10.9**	**10.9**	**10.9**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**26.3**	**26.5**	**24.1**	**20.8**	**25.1**

Sub-Matrix: **SOLID**			*Client sample ID*	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**	**RESIDUE AF**
			Client sampling date / time	21-MAY-2015 11:30	21-MAY-2015 09:05	21-MAY-2015 08:30	21-MAY-2015 09:45	21-MAY-2015 10:15
Compound	*CAS Number*	*LOR*	*Unit*	**HK1517342-016**	**HK1517342-017**	**HK1517342-018**	**HK1517342-019**	**HK1517342-020**
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	**11.0**	**10.7**	**10.9**	**10.7**	**10.8**
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	**5.6**	**24.4**	**7.2**	**24.1**	**25.1**

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	21-MAY-2015 10:50	21-MAY-2015 16:00	21-MAY-2015 15:10	21-MAY-2015 14:10	21-MAY-2015 15:50
Compound	CAS Number	LOR	Unit	HK1517342-021	HK1517342-022	HK1517342-023	HK1517342-024	HK1517342-025
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	---	0.1	pH Unit	10.8	10.8	10.7	10.8	10.8
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.5	19.4	24.3	24.9	20.6

Sub-Matrix: TCLP LEACHATE			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00
Compound	CAS Number	LOR	Unit	HK1517342-001	HK1517342-002	HK1517342-003	HK1517342-004	HK1517342-005
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	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00
Compound	CAS Number	LOR	Unit	HK1517342-006	HK1517342-007	HK1517342-008	HK1517342-009	HK1517342-010
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	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	2	2	2	2	1

Sub-Matrix: TCLP LEACHATE			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00
Compound	CAS Number	LOR	Unit	HK1517342-011	HK1517342-012	HK1517342-013	HK1517342-014	HK1517342-015
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	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	7	<1	<1	1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	---	-	-	2	1	1	2	2

Sub-Matrix: **TCLP LEACHATE**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID*	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00
					HK1517342-016	**HK1517342-017**	**HK1517342-018**	**HK1517342-019**	**HK1517342-020**
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	**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**	**1**	**2**	**2**

Sub-Matrix: **TCLP LEACHATE**

			Client sample ID	RESIDUE AF	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00	21-MAY-2015 12:00
Compound	*CAS Number*	*LOR*	*Unit*	HK1517342-021	HK1517342-022	HK1517342-023	HK1517342-024	HK1517342-025
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	2	2	2	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	-	2	2	2	2	2

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3940841)								
HK1517342-001	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	20.5	20.4	0.0
HK1517342-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.3	25.9	1.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3940842)								
HK1517342-021	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	26.5	26.3	0.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3941255)								
HK1517342-001	RESIDUE AF	EA002: pH Value	---	0.1	pH Unit	10.7	10.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3941256)								
HK1517342-021	RESIDUE AF	EA002: pH Value	---	0.1	pH Unit	10.8	10.7	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3943593)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	101	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	97.3	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.6	---	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	101	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.4	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	96.0	---	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	112	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	95.0	---	78	120	---	---
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	111	---	81	119	---	---
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	103	---	76	114	---	---
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	94.7	---	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	95.4	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	97.4	---	70	130	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3943594)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	98.9	---	76	118	---	---
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	95.2	---	72	124	---	---
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.5	---	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	99.1	---	79	117	---	---
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	99.4	---	78	120	---	---
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	96.1	---	78	118	---	---
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	100	---	79	115	---	---

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3943594) - Continued											
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	---	76	120	---	---
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	101	---	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	97.3	---	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	94.4	---	78	124	---	---
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	95.8	---	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3943593)										
HK1517342-001	RESIDUE AF	**EG020: Antimony**	7440-36-0	1 mg/L	98.1	---	75	125	---	---
		EG020: Arsenic	7440-38-2	1 mg/L	97.2	---	75	125	---	---
		EG020: Barium	7440-39-3	1 mg/L	92.2	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	100	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	99.4	---	75	125	---	---
		EG020: Chromium	7440-47-3	1 mg/L	96.1	---	75	125	---	---
		EG020: Copper	7440-50-8	1 mg/L	91.3	---	75	125	---	---
		EG020: Lead	7439-92-1	1 mg/L	88.5	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	113	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	90.7	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	121	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	91.3	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	87.0	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	102	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	92.2	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	91.2	---	75	125	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 3943594)										
HK1517342-021	RESIDUE AF	**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	102	---	75	125	---	---
		EG020: Beryllium	7440-41-7	1 mg/L	99.8	---	75	125	---	---
		EG020: Cadmium	7440-43-9	1 mg/L	107	---	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	96.7	---	75	125	---	---
		EG020: Mercury	7439-97-6	0.02 mg/L	111	---	75	125	---	---
		EG020: Nickel	7440-02-0	1 mg/L	103	---	75	125	---	---
		EG020: Selenium	7782-49-2	1 mg/L	113	---	75	125	---	---
		EG020: Silver	7440-22-4	1 mg/L	81.9	---	75	125	---	---
		EG020: Thallium	7440-28-0	1 mg/L	96.2	---	75	125	---	---
		EG020: Tin	7440-31-5	1 mg/L	107	---	75	125	---	---
		EG020: Vanadium	7440-62-2	1 mg/L	102	---	75	125	---	---
		EG020: Zinc	7440-66-6	1 mg/L	90.9	---	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	: HK1517566
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 1		
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	: 26-MAY-2015
Order number	: ----			Issue Date	: 28-MAY-2015
C-O-C number	: ----			No. of samples received	: 39
Site	: ----			No. of samples analysed	: 39

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

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: 28-MAY-2015

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

Specific comments for Work Order: **HK1517566**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Sample(s) analysed and reported on an as received basis.
pH determined and reported on a 1:5 soil / water extract.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	ASH AF	ASH AF	ASH A 中灰
				Client sampling date / time: 22-MAY-2015 08:45	22-MAY-2015 09:15	23-MAY-2015 07:50	23-MAY-2015 08:40	23-MAY-2015 09:20
				HK1517566-001	HK1517566-002	HK1517566-003	HK1517566-004	HK1517566-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.1	9.8	9.8	9.7	9.9
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	3.5	6.6	6.6	22.9	16.7

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF Client sampling date / time: 22-MAY-2015 13:40 HK1517566-006	Client sample ID: RESIDUE AF Client sampling date / time: 22-MAY-2015 10:00 HK1517566-007	Client sample ID: RESIDUE AF Client sampling date / time: 22-MAY-2015 12:15 HK1517566-008	Client sample ID: RESIDUE AF Client sampling date / time: 22-MAY-2015 13:10 HK1517566-009	Client sample ID: RESIDUE AE Client sampling date / time: 22-MAY-2015 16:00 HK1517566-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.5	10.5	10.5	10.5	10.4
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	26.5	23.0	24.8	26.8	25.4

Sub-Matrix: SOLID	Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
	Client sampling date / time	22-MAY-2015 14:20	22-MAY-2015 14:40	22-MAY-2015 10:30	22-MAY-2015 17:30	23-MAY-2015 17:45
Compound / CAS Number / LOR / Unit		HK1517566-011	HK1517566-012	HK1517566-013	HK1517566-014	HK1517566-015
EA/ED: Physical and Aggregate Properties						
EA002: pH Value ---- 0.1 pH Unit		10.6	10.7	10.5	10.5	10.5
EA055: Moisture Content (dried @ 103°C) ---- 0.1 %		24.6	21.0	24.5	23.0	24.8

Sub-Matrix: SOLID	Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
	Client sampling date / time	23-MAY-2015 14:00	[23-MAY-2015]	23-MAY-2015 17:00	23-MAY-2015 10:55	23-MAY-2015 13:00
Compound	CAS Number / LOR / Unit	HK1517566-016	HK1517566-017	HK1517566-018	HK1517566-019	HK1517566-020
EA/ED: Physical and Aggregate Properties						
EA002: pH Value	---- / 0.1 / pH Unit	10.6	10.7	10.7	10.9	10.8
EA055: Moisture Content (dried @ 103°C)	---- / 0.1 / %	25.9	28.0	27.0	23.0	24.3

Sub-Matrix: SOLID	Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
	Client sampling date / time	[23-MAY-2015]	23-MAY-2015 13:30	23-MAY-2015 09:40	24-MAY-2015 14:50	24-MAY-2015 13:40
Compound / CAS Number / LOR / Unit		HK1517566-021	HK1517566-022	HK1517566-023	HK1517566-024	HK1517566-025
EA/ED: Physical and Aggregate Properties						
EA002: pH Value ---- 0.1 pH Unit		10.9	11.0	10.8	10.5	10.5
EA055: Moisture Content (dried @ 103°C) ---- 0.1 %		24.1	25.2	28.8	25.9	20.4

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF Client sampling date / time: 24-MAY-2015 12:40 HK1517566-026	RESIDUE AE 24-MAY-2015 17:45 HK1517566-027	RESIDUE AE 24-MAY-2015 17:00 HK1517566-028	RESIDUE AE 24-MAY-2015 18:10 HK1517566-029	RESIDUE AE 25-MAY-2015 16:10 HK1517566-030
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.4	10.5	10.6	10.6	10.5
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.2	22.9	26.1	22.8	21.9

Sub-Matrix: SOLID				Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
				Client sampling date / time	25-MAY-2015 17:00	25-MAY-2015 18:30	25-MAY-2015 15:00	25-MAY-2015 08:00	25-MAY-2015 09:30
Compound	CAS Number	LOR	Unit		HK1517566-031	HK1517566-032	HK1517566-033	HK1517566-034	HK1517566-035
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		10.5	10.5	10.4	10.6	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		21.8	26.8	19.9	21.5	23.3

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	
			Client sampling date / time	25-MAY-2015 10:45	25-MAY-2015 14:10	25-MAY-2015 12:00	25-MAY-2015 13:10	
Compound	CAS Number	LOR	Unit	HK1517566-036	HK1517566-037	HK1517566-038	HK1517566-039	
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.6	10.6	10.7	10.7	
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	19.3	25.4	26.7	25.6	

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF Client sampling date / time: 22-MAY-2015 12:00 HK1517566-001	ASH AF 22-MAY-2015 12:00 HK1517566-002	ASH AF 23-MAY-2015 12:00 HK1517566-003	ASH AF 23-MAY-2015 12:00 HK1517566-004	ASH A 中灰 23-MAY-2015 12:00 HK1517566-005
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	2	1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
				Client sampling date / time	22-MAY-2015 12:00	22-MAY-2015 12:00	22-MAY-2015 12:00	22-MAY-2015 12:00	22-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1517566-006	HK1517566-007	HK1517566-008	HK1517566-009	HK1517566-010
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

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				Client sampling date / time: 22-MAY-2015 12:00	22-MAY-2015 12:00	22-MAY-2015 12:00	22-MAY-2015 12:00	23-MAY-2015 12:00
				HK1517566-011	HK1517566-012	HK1517566-013	HK1517566-014	HK1517566-015
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	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	2	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	2	2	1

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
				Client sampling date / time	23-MAY-2015 12:00	[23-MAY-2015]	23-MAY-2015 12:00	23-MAY-2015 12:00	23-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1517566-016	HK1517566-017	HK1517566-018	HK1517566-019	HK1517566-020
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	2	1	1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		1	2	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: [23-MAY-2015]	23-MAY-2015 12:00	23-MAY-2015 12:00	24-MAY-2015 12:00	24-MAY-2015 12:00
				HK1517566-021	HK1517566-022	HK1517566-023	HK1517566-024	HK1517566-025
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 AF	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				Client sampling date / time	24-MAY-2015 12:00	24-MAY-2015 12:00	24-MAY-2015 12:00	24-MAY-2015 12:00	25-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1517566-026	HK1517566-027	HK1517566-028	HK1517566-029	HK1517566-030
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	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	2	3	<1	<1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		1	1	2	2	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 25-MAY-2015 12:00	25-MAY-2015 12:00	25-MAY-2015 12:00	25-MAY-2015 12:00	25-MAY-2015 12:00
				HK1517566-031	HK1517566-032	HK1517566-033	HK1517566-034	HK1517566-035
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	2	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	2	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	
				Client sampling date / time: 25-MAY-2015 12:00	25-MAY-2015 12:00	25-MAY-2015 12:00	25-MAY-2015 12:00	
				HK1517566-036	HK1517566-037	HK1517566-038	HK1517566-039	
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	
EG020: Copper	7440-50-8	1	mg/kg	2	2	<1	2	
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	
EG020: Zinc	7440-66-6	1	mg/kg	2	2	<1	1	
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	1	2	

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3943485)								
HK1517566-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	3.5	3.3	4.0
HK1517566-011	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	24.6	24.7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3943486)								
HK1517566-021	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	24.1	24.4	1.0
HK1517566-031	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.8	22.3	2.3
EA/ED: Physical and Aggregate Properties (QC Lot: 3944004)								
HK1517566-001	ASH AF	EA002: pH Value	----	0.1	pH Unit	10.1	10.1	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3944005)								
HK1517566-021	RESIDUE AF	EA002: pH Value	----	0.1	pH Unit	10.9	10.9	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3944556)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	98.8	----	76	118	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	99.4	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	96.4	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	91.1	----	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	98.6	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	96.1	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	95.3	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	112	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	95.3	----	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	94.2	----	81	113	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	102	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	99.4	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	94.8	----	70	130	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3944557)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	99.6	----	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	98.9	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	95.4	----	74	122	----	----

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3944557) - Continued											
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	98.1	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	99.8	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	114	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	99.5	----	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	101	----	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	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	109	----	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	Spike Recovery (%): MS	Spike Recovery (%): MSD	Recovery Limits (%): Low	Recovery Limits (%): High	RPD (%): Value	RPD (%): Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3944556)										
HK1517566-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	98.8	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	104	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	96.6	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	96.0	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	102	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	98.5	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	90.6	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	96.9	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	114	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	97.2	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	118	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	97.0	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	98.0	----	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	85.3	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3944557)										
HK1517566-021	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	101	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	98.1	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	100	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	90.8	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	103	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	97.3	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	93.0	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	94.1	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	114	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	98.0	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	121	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	82.7	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	93.5	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	104	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	102	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	87.6	----	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 8
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Facsimile	: +852 2430 8011	Facsimile	: +852 2610 2021		
Project	: ----	Quote number	: ----	Date Samples Received	: 27-MAY-2015
Order number	: ----			Issue Date	: 29-MAY-2015
C-O-C number	: ----			No. of samples received	: 9
Site	: ----			No. of samples analysed	: 9

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

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: 28-MAY-2015

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

Specific comments for Work Order: HK1517710

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Sample(s) analysed and reported on an as received basis.
pH determined and reported on a 1:5 soil / water extract.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: ASH 中間灰 Client sampling date / time: 26-MAY-2015 14:50 HK1517710-001	Client sample ID: RESIDUE AF Client sampling date / time: 26-MAY-2015 08:30 HK1517710-002	Client sample ID: RESIDUE AF Client sampling date / time: 26-MAY-2015 09:45 HK1517710-003	Client sample ID: RESIDUE AF Client sampling date / time: 26-MAY-2015 11:20 HK1517710-004	Client sample ID: RESIDUE AE Client sampling date / time: 26-MAY-2015 12:50 HK1517710-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.2	10.9	10.9	11.0	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.4	24.4	27.3	24.0	24.4

Sub-Matrix: SOLID			Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	
			Client sampling date / time	26-MAY-2015 16:00	26-MAY-2015 17:20	26-MAY-2015 17:00	26-MAY-2015 18:00	
Compound	CAS Number	LOR	Unit	HK1517710-006	HK1517710-007	HK1517710-008	HK1517710-009	
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.8	10.8	10.8	10.8	
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	27.0	24.8	24.8	24.7	

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH 中間灰	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
Client sampling date / time				26-MAY-2015 12:00	26-MAY-2015 12:00	26-MAY-2015 12:00	26-MAY-2015 12:00	26-MAY-2015 12:00
				HK1517710-001	HK1517710-002	HK1517710-003	HK1517710-004	HK1517710-005
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	2	<1	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<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	2	<1	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	2	1	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	
				Client sampling date / time	26-MAY-2015 12:00	26-MAY-2015 12:00	26-MAY-2015 12:00	26-MAY-2015 12:00	
Compound	CAS Number	LOR	Unit		HK1517710-006	HK1517710-007	HK1517710-008	HK1517710-009	
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	

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3944606)								
HK1517710-001	ASH 中間灰	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.4	21.7	2.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3945215)								
HK1517566-031	Anonymous	EA002: pH Value	----	0.1	pH Unit	10.5	10.5	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3945348)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	95.7	----	76	118	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	94.9	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.6	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	91.4	----	74	122	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	97.3	----	79	117	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	95.6	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	95.9	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	95.7	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	114	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	93.8	----	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	102	----	76	114	----	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	93.3	----	81	113	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	98.0	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	97.6	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	88.7	----	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3945348)										
HK1517710-001	ASH 中間灰	EG020: Antimony	7440-36-0	1 mg/L	98.4	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	97.6	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	94.8	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	94.6	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	99.9	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	99.3	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	92.0	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	92.4	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	112	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	93.2	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	118	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	96.2	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	89.6	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	98.2	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	95.4	----	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	: 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	: HK1517945
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 1		
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	: 29-MAY-2015
Order number	: ----			Issue Date	: 02-JUN-2015
C-O-C number	: ----			No. of samples received	: 38
Site	: ----			No. of samples analysed	: 38

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Signatories	*Position*	*Authorised results for*
Fung Lim Chee, Richard	General Manager	Inorganics

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-JUN-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: **HK1517945**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Sample(s) analysed and reported on an as received basis.
pH determined and reported on a 1:5 soil / water extract.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	ASH AF	ASH 中間灰	ASH 中間灰
				Client sampling date / time: 27-MAY-2015 18:10	27-MAY-2015 18:40	27-MAY-2015 18:30	27-MAY-2015 15:00	27-MAY-2015 15:30
				HK1517945-001	HK1517945-002	HK1517945-003	HK1517945-004	HK1517945-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.0	9.8	9.9	9.8	9.9
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	11.7	9.6	10.8	17.9	15.3

Sub-Matrix: SOLID				Client sample ID	ASH 中間灰	ASH 中間灰	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	27-MAY-2015 17:10	27-MAY-2015 16:10	27-MAY-2015 08:10	27-MAY-2015 07:50	27-MAY-2015 08:40
Compound	CAS Number	LOR	Unit		HK1517945-006	HK1517945-007	HK1517945-008	HK1517945-009	HK1517945-010
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		10.1	9.7	10.5	10.5	10.5
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		10.6	18.0	19.7	26.5	24.9

Sub-Matrix: SOLID				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
				Client sampling date / time	27-MAY-2015 09:10	27-MAY-2015 09:30	27-MAY-2015 10:05	27-MAY-2015 10:40	27-MAY-2015 13:40
Compound	CAS Number	LOR	Unit		HK1517945-011	HK1517945-012	HK1517945-013	HK1517945-014	HK1517945-015
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		10.4	10.5	10.5	10.6	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		23.6	27.8	27.1	22.4	22.4

Sub-Matrix: SOLID			Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	ASH 中間灰
			Client sampling date / time	27-MAY-2015 13:15	27-MAY-2015 13:20	27-MAY-2015 11:10	27-MAY-2015 11:30	28-MAY-2015 18:00
Compound	CAS Number	LOR	Unit	HK1517945-016	HK1517945-017	HK1517945-018	HK1517945-019	HK1517945-020
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.6	10.6	10.5	10.6	10.0
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	25.0	23.0	21.3	23.2	17.8

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF Client sampling date / time: 28-MAY-2015 13:40 HK1517945-021	RESIDUE AF 28-MAY-2015 14:40 HK1517945-022	RESIDUE AF 28-MAY-2015 14:00 HK1517945-023	RESIDUE AF 28-MAY-2015 11:00 HK1517945-024	RESIDUE AF 28-MAY-2015 15:00 HK1517945-025
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.9	10.9	11.0	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.8	22.4	24.1	22.6	22.0

Sub-Matrix: SOLID			Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
			Client sampling date / time	28-MAY-2015 15:20	28-MAY-2015 12:45	28-MAY-2015 10:50	28-MAY-2015 12:10	28-MAY-2015 11:50
Compound	CAS Number	LOR	Unit	HK1517945-026	HK1517945-027	HK1517945-028	HK1517945-029	HK1517945-030
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.9	10.7	10.6	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	20.6	20.4	19.9	20.3	20.5

Sub-Matrix: SOLID			Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	28-MAY-2015 09:20	28-MAY-2015 07:40	28-MAY-2015 08:00	28-MAY-2015 18:10	28-MAY-2015 09:50
Compound	CAS Number	LOR	Unit	HK1517945-031	HK1517945-032	HK1517945-033	HK1517945-034	HK1517945-035
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.7	10.7	10.7	10.8	10.7
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	25.7	20.2	25.0	22.0	27.0

Sub-Matrix: SOLID			Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AE		
			Client sampling date / time	28-MAY-2015 08:30	28-MAY-2015 13:20	28-MAY-2015 09:00		
Compound	CAS Number	LOR	Unit	HK1517945-036	HK1517945-037	HK1517945-038		
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.7	10.9	10.7		
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	26.0	23.0	24.7		

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF	ASH AF	ASH AF	ASH 中間灰	ASH 中間灰
				Client sampling date / time: 27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00
				HK1517945-001	HK1517945-002	HK1517945-003	HK1517945-004	HK1517945-005
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	2	2	1	2	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH 中間灰	ASH 中間灰	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00
				HK1517945-006	HK1517945-007	HK1517945-008	HK1517945-009	HK1517945-010
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	2	2	<1	<1	<1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AE
				Client sampling date / time: 27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00
				HK1517945-011	HK1517945-012	HK1517945-013	HK1517945-014	HK1517945-015
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	2	<1	1	<1	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	2	2	<1	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	1	2	1	2

Sub-Matrix: TCLP LEACHATE				RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	ASH 中間灰
			Client sample ID					
			Client sampling date / time	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	27-MAY-2015 12:00	28-MAY-2015 12:00
Compound	*CAS Number*	*LOR*	*Unit*	HK1517945-016	HK1517945-017	HK1517945-018	HK1517945-019	HK1517945-020
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	1	2	2	<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	2	2	2	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	2	2	1

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1517945-021	HK1517945-022	HK1517945-023	HK1517945-024	HK1517945-025
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg		<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg		2	2	2	2	2
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		2	2	2	2	2
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		2	2	2	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1517945-026	HK1517945-027	HK1517945-028	HK1517945-029	HK1517945-030
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		2	2	2	2	2
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		2	4	2	2	2
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 AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				Client sampling date / time: 28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00
				HK1517945-031	HK1517945-032	HK1517945-033	HK1517945-034	HK1517945-035
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	2	2	1
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	3	1	2	2	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 AE	RESIDUE AE	RESIDUE AE		
				Client sampling date / time: 28-MAY-2015 12:00	28-MAY-2015 12:00	28-MAY-2015 12:00		
				HK1517945-036	HK1517945-037	HK1517945-038		
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1		
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1		
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1		
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1		
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1		
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1		
EG020: Copper	7440-50-8	1	mg/kg	2	2	2		
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1		
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2		
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1		
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2		
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1		
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1		
EG020: Tin	7440-31-5	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	2		
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	2		

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3946667)								
HK1517945-001	ASH AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	11.7	11.8	0.0
HK1517945-011	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	23.6	23.0	2.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3946668)								
HK1517945-021	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.8	21.1	3.3
HK1517945-031	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	25.7	25.4	1.1
EA/ED: Physical and Aggregate Properties (QC Lot: 3947537)								
HK1517945-001	ASH AF	EA002: pH Value	----	0.1	pH Unit	10.0	10.0	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3947538)								
HK1517945-021	RESIDUE AF	EA002: pH Value	----	0.1	pH Unit	10.9	10.9	0.0

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3947739)											
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	96.5	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	98.3	----	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	102	----	79	117	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	92.7	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	89.6	----	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	112	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	89.5	----	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	99.5	----	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	108	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	94.6	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.9	----	70	130	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3947740)											
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	91.7	----	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	101	----	74	122	----	----

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3947740) - Continued											
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	100	----	79	117	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	92.5	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	90.3	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	95.0	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	111	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	87.7	----	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	96.7	----	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	89.9	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	96.0	----	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3947739)										
HK1517945-001	ASH AF	EG020: Antimony	7440-36-0	1 mg/L	111	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	98.8	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	98.6	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	108	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	100	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	92.9	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	84.6	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	105	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	124	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	94.2	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	120	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	92.7	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	99.6	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	106	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	92.6	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	94.0	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3947740)										
HK1517945-021	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	112	----	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	122	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	107	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	104	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	86.6	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	95.9	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	110	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	101	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	122	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	80.5	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	93.5	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	113	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	112	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	86.0	----	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 24
Contact	: MS JENNIFER CHAN	Contact	: Fung Lim Chee, Richard	Work Order	: HK1518208
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 1		
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	: 01-JUN-2015
Order number	: ----			Issue Date	: 03-JUN-2015
C-O-C number	: ----			No. of samples received	: 42
Site	: ----			No. of samples analysed	: 42

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

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: 02-JUN-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: **HK1518208**

Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Sample(s) analysed and reported on an as received basis.
pH determined and reported on a 1:5 soil / water extract.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98. Extraction Fluid #2 pH 2.83 - 2.93.

Analytical Results

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: ASH A 中灰	ASH A 中灰	ASH A 中灰	RESIDUE AE	RESIDUE AE
				Client sampling date / time: 30-MAY-2015 13:00	30-MAY-2015 14:00	30-MAY-2015 14:50	30-MAY-2015 09:30	30-MAY-2015 11:00
				HK1518208-001	HK1518208-002	HK1518208-003	HK1518208-004	HK1518208-005
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.0	10.0	10.1	10.5	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	19.0	17.2	18.3	23.8	24.8

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE Client sampling date / time: 30-MAY-2015 08:50 HK1518208-006	RESIDUE AE 30-MAY-2015 08:00 HK1518208-007	RESIDUE AE 31-MAY-2015 16:10 HK1518208-008	RESIDUE AE 31-MAY-2015 10:00 HK1518208-009	RESIDUE AE 31-MAY-2015 09:45 HK1518208-010
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.5	10.6	10.7	10.7	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	24.5	19.3	26.1	22.8	21.4

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF
Client sampling date / time				31-MAY-2015 10:30	31-MAY-2015 11:00	31-MAY-2015 08:45	31-MAY-2015 08:15	31-MAY-2015 09:00
				HK1518208-011	HK1518208-012	HK1518208-013	HK1518208-014	HK1518208-015
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.7	10.6	10.5	10.6	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.5	20.5	23.6	20.5	24.0

Sub-Matrix: SOLID				Client sample ID	RESIDUE AF	RESIDUE AF	ASH AF	ASH A 中灰	ASH 中間灰
				Client sampling date / time	31-MAY-2015 16:55	31-MAY-2015 07:45	31-MAY-2015 11:30	31-MAY-2015 17:40	31-MAY-2015 11:40
Compound	CAS Number	LOR	Unit		HK1518208-016	HK1518208-017	HK1518208-018	HK1518208-019	HK1518208-020
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		10.6	10.6	10.2	10.0	10.2
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		21.3	19.6	15.8	19.2	17.7

Sub-Matrix: SOLID	Client sample ID	RESIDUE BF	RESIDUE BF	ASH B 中灰	ASH AF	ASH AF
	Client sampling date / time	31-MAY-2015 13:15	31-MAY-2015 15:30	31-MAY-2015 12:20	29-MAY-2015 14:36	29-MAY-2015 17:25
Compound / CAS Number / LOR / Unit		HK1518208-021	HK1518208-022	HK1518208-023	HK1518208-024	HK1518208-025
EA/ED: Physical and Aggregate Properties						
EA002: pH Value ---- 0.1 pH Unit		10.6	10.6	10.3	10.0	10.1
EA055: Moisture Content (dried @ 103°C) ---- 0.1 %		17.3	26.5	17.6	13.7	10.8

Sub-Matrix: SOLID				Client sample ID	ASH AF	ASH A 中間灰	ASH A 中間灰	ASH A 中灰	ASH A 中灰
				Client sampling date / time	29-MAY-2015 15:25	29-MAY-2015 12:25	29-MAY-2015 16:20	29-MAY-2015 13:20	29-MAY-2015 11:00
Compound	CAS Number	LOR	Unit		HK1518208-026	HK1518208-027	HK1518208-028	HK1518208-029	HK1518208-030
EA/ED: Physical and Aggregate Properties									
EA002: pH Value	----	0.1	pH Unit		10.2	10.1	10.1	10.0	9.9
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		13.6	14.5	11.0	15.1	17.2

Sub-Matrix: SOLID			Client sample ID	ASH A 中間灰	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
			Client sampling date / time	29-MAY-2015 12:00	29-MAY-2015 09:30	29-MAY-2015 09:00	29-MAY-2015 08:10	29-MAY-2015 09:50
Compound	CAS Number	LOR	Unit	HK1518208-031	HK1518208-032	HK1518208-033	HK1518208-034	HK1518208-035
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.1	10.7	10.6	10.7	10.8
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	16.1	23.6	20.9	24.1	25.6

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 29-MAY-2015 10:40	29-MAY-2015 11:30	29-MAY-2015 13:00	29-MAY-2015 14:00	29-MAY-2015 17:05
				HK1518208-036	HK1518208-037	HK1518208-038	HK1518208-039	HK1518208-040
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.7	10.7	10.7	10.8	10.6
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	23.7	24.8	22.4	20.0	24.0

Sub-Matrix: SOLID

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF Client sampling date / time: 29-MAY-2015 16:00 HK1518208-041	Client sample ID: RESIDUE AF Client sampling date / time: 29-MAY-2015 18:10 HK1518208-042			
EA/ED: Physical and Aggregate Properties								
EA002: pH Value	----	0.1	pH Unit	10.8	10.8			
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.9	21.4			

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH A 中灰	ASH A 中灰	ASH A 中灰	RESIDUE AE	RESIDUE AE
				Client sampling date / time: 30-MAY-2015 12:00	30-MAY-2015 12:00	30-MAY-2015 12:00	30-MAY-2015 12:00	30-MAY-2015 12:00
				HK1518208-001	HK1518208-002	HK1518208-003	HK1518208-004	HK1518208-005
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	2	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 AE	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				Client sampling date / time	30-MAY-2015 12:00	30-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1518208-006	HK1518208-007	HK1518208-008	HK1518208-009	HK1518208-010
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg		<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg		<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg		2	2	<1	2	2
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		2	1	<1	1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		2	2	1	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00
Compound	CAS Number	LOR	Unit		HK1518208-011	HK1518208-012	HK1518208-013	HK1518208-014	HK1518208-015
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		2	<1	<1	2	2
EG020: Lead	7439-92-1	1	mg/kg		<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg		<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg		<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg		1	<1	<1	1	1
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		2	1	1	2	2

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AF	RESIDUE AF	ASH AF	ASH A 中灰	ASH 中間灰
				Client sampling date / time: 31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00
				HK1518208-016	HK1518208-017	HK1518208-018	HK1518208-019	HK1518208-020
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	<1	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	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE BF	RESIDUE BF	ASH B 中灰	ASH AF	ASH AF
				Client sampling date / time: 31-MAY-2015 12:00	31-MAY-2015 12:00	31-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00
				HK1518208-021	HK1518208-022	HK1518208-023	HK1518208-024	HK1518208-025
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	2	1	1	2	2
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH AF Client sampling date / time: 29-MAY-2015 12:00 HK1518208-026	ASH A 中間灰 29-MAY-2015 12:00 HK1518208-027	ASH A 中間灰 29-MAY-2015 12:00 HK1518208-028	ASH A 中灰 29-MAY-2015 12:00 HK1518208-029	ASH A 中灰 29-MAY-2015 12:00 HK1518208-030
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	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	2	2	2	2	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	1	1	1	1

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: ASH A 中間灰	RESIDUE AE	RESIDUE AE	RESIDUE AE	RESIDUE AE
				Client sampling date / time: 29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00
				HK1518208-031	HK1518208-032	HK1518208-033	HK1518208-034	HK1518208-035
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	2	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	2	1	2	1	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	1	2	2	2	2

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID: RESIDUE AE	RESIDUE AE	RESIDUE AF	RESIDUE AF	RESIDUE AF
				Client sampling date / time: 29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00	29-MAY-2015 12:00
				HK1518208-036	HK1518208-037	HK1518208-038	HK1518208-039	HK1518208-040
EG: Metals and Major Cations - Filtered								
EG020: Antimony	7440-36-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Arsenic	7440-38-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Barium	7440-39-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Beryllium	7440-41-7	1	mg/kg	<1	<1	<1	<1	<1
EG020: Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
EG020: Chromium	7440-47-3	1	mg/kg	<1	<1	<1	<1	<1
EG020: Copper	7440-50-8	1	mg/kg	2	2	<1	2	2
EG020: Lead	7439-92-1	1	mg/kg	<1	<1	<1	<1	<1
EG020: Mercury	7439-97-6	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Selenium	7782-49-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EG020: Silver	7440-22-4	1	mg/kg	<1	<1	<1	<1	<1
EG020: Thallium	7440-28-0	1	mg/kg	<1	<1	<1	<1	<1
EG020: Tin	7440-31-5	1	mg/kg	<1	<1	<1	<1	<1
EG020: Vanadium	7440-62-2	1	mg/kg	<1	<1	<1	<1	<1
EG020: Zinc	7440-66-6	1	mg/kg	1	1	<1	2	1
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	2	2	1	2	2

Sub-Matrix: TCLP LEACHATE				Client sample ID	RESIDUE AF	RESIDUE AF			
				Client sampling date / time	29-MAY-2015 12:00	29-MAY-2015 12:00			
Compound	CAS Number	LOR	Unit		HK1518208-041	HK1518208-042			
EG: Metals and Major Cations - Filtered									
EG020: Antimony	7440-36-0	1	mg/kg		<1	<1			
EG020: Arsenic	7440-38-2	1	mg/kg		<1	<1			
EG020: Barium	7440-39-3	1	mg/kg		<1	<1			
EG020: Beryllium	7440-41-7	1	mg/kg		<1	<1			
EG020: Cadmium	7440-43-9	1	mg/kg		<1	<1			
EG020: Chromium	7440-47-3	1	mg/kg		<1	<1			
EG020: Copper	7440-50-8	1	mg/kg		2	<1			
EG020: Lead	7439-92-1	1	mg/kg		<1	<1			
EG020: Mercury	7439-97-6	0.2	mg/kg		<0.2	<0.2			
EG020: Nickel	7440-02-0	1	mg/kg		<1	<1			
EG020: Selenium	7782-49-2	0.2	mg/kg		<0.2	<0.2			
EG020: Silver	7440-22-4	1	mg/kg		<1	<1			
EG020: Thallium	7440-28-0	1	mg/kg		<1	<1			
EG020: Tin	7440-31-5	1	mg/kg		<1	<1			
EG020: Vanadium	7440-62-2	1	mg/kg		<1	<1			
EG020: Zinc	7440-66-6	1	mg/kg		1	<1			
Sample Preparation Method									
E-TCLP: Extraction Fluid Number	----	-	--		2	1			

Laboratory Duplicate (DUP) Report

Matrix: SOIL

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: 3948081)								
HK1518208-001	ASH A 中灰	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	19.0	19.2	1.1
HK1518208-011	RESIDUE AE	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	22.5	23.5	4.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3948082)								
HK1518208-021	RESIDUE BF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	17.3	16.7	3.4
HK1518208-031	ASH A 中間灰	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	16.1	16.6	2.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3948083)								
HK1518208-041	RESIDUE AF	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	21.9	21.5	1.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3948603)								
HK1518208-001	ASH A 中灰	EA002: pH Value	----	0.1	pH Unit	10.0	10.0	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3948604)								
HK1518208-021	RESIDUE BF	EA002: pH Value	----	0.1	pH Unit	10.6	10.6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3948605)								
HK1518208-041	RESIDUE AF	EA002: pH Value	----	0.1	pH Unit	10.8	10.9	0.9

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

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3949053)											
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	93.2	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	95.5	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	99.9	----	74	122	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	94.1	----	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	95.5	----	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	115	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	93.1	----	78	120	----	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	97.7	----	81	119	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	96.6	----	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	100	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	96.9	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	83.6	----	70	130	----	----

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3949054)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	96.3	----	76	118	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	88.9	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	94.8	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	93.4	----	74	122	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	92.0	----	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	89.6	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	96.0	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	111	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	88.1	----	78	120	----	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	93.8	----	81	119	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	95.6	----	76	114	----	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	95.2	----	81	113	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.6	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	90.8	----	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: 3949055)											
EG020: Antimony	7440-36-0	1	mg/L	<1	1 mg/L	101	----	76	118	----	----
EG020: Arsenic	7440-38-2	1	mg/L	<1	1 mg/L	92.0	----	72	124	----	----
EG020: Barium	7440-39-3	1	mg/L	<1	1 mg/L	98.4	----	80	120	----	----
EG020: Beryllium	7440-41-7	1	mg/L	<1	1 mg/L	91.9	----	74	122	----	----
EG020: Cadmium	7440-43-9	0.1	mg/L	<0.1	1 mg/L	93.5	----	79	117	----	----
EG020: Chromium	7440-47-3	1	mg/L	<1	1 mg/L	103	----	78	120	----	----
EG020: Copper	7440-50-8	1	mg/L	<1	1 mg/L	93.1	----	78	118	----	----
EG020: Lead	7439-92-1	1	mg/L	<1	1 mg/L	101	----	79	115	----	----
EG020: Mercury	7439-97-6	0.1	mg/L	<0.1	0.02 mg/L	113	----	76	120	----	----
EG020: Nickel	7440-02-0	1	mg/L	<1	1 mg/L	93.4	----	78	120	----	----
EG020: Selenium	7782-49-2	0.2	mg/L	<0.2	1 mg/L	99.0	----	81	119	----	----
EG020: Silver	7440-22-4	1	mg/L	<1	1 mg/L	103	----	76	114	----	----
EG020: Thallium	7440-28-0	1	mg/L	<1	1 mg/L	100	----	81	113	----	----
EG020: Tin	7440-31-5	1	mg/L	<1	1 mg/L	97.3	----	79	119	----	----
EG020: Vanadium	7440-62-2	1	mg/L	<1	1 mg/L	91.2	----	78	124	----	----
EG020: Zinc	7440-66-6	1	mg/L	<1	1 mg/L	84.8	----	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	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3949053)										
HK1518208-001	ASH A 中灰	EG020: Antimony	7440-36-0	1 mg/L	104	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	95.4	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	97.7	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	102	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	98.2	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	108	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	86.1	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	97.0	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	115	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	100	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	112	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	95.5	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	95.3	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	104	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	104	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	100	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3949054)										
HK1518208-021	RESIDUE BF	EG020: Antimony	7440-36-0	1 mg/L	101	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	93.8	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	97.4	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	86.0	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	94.6	----	75	125	----	----
		EG020: Chromium	7440-47-3	1 mg/L	97.1	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	77.1	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	93.3	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	109	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	86.5	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	96.7	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	83.9	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	90.3	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	101	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	95.0	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	97.0	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3949055)										
HK1518208-041	RESIDUE AF	EG020: Antimony	7440-36-0	1 mg/L	107	----	75	125	----	----
		EG020: Arsenic	7440-38-2	1 mg/L	101	----	75	125	----	----
		EG020: Barium	7440-39-3	1 mg/L	103	----	75	125	----	----
		EG020: Beryllium	7440-41-7	1 mg/L	87.7	----	75	125	----	----
		EG020: Cadmium	7440-43-9	1 mg/L	99.9	----	75	125	----	----

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report: Spike Concentration	Spike Recovery (%): MS	Spike Recovery (%): MSD	Recovery Limits (%): Low	Recovery Limits (%): High	RPD (%): Value	RPD (%): Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3949055) - Continued										
HK1518208-041	RESIDUE AF	EG020: Chromium	7440-47-3	1 mg/L	101	----	75	125	----	----
		EG020: Copper	7440-50-8	1 mg/L	85.9	----	75	125	----	----
		EG020: Lead	7439-92-1	1 mg/L	97.4	----	75	125	----	----
		EG020: Mercury	7439-97-6	0.02 mg/L	107	----	75	125	----	----
		EG020: Nickel	7440-02-0	1 mg/L	91.6	----	75	125	----	----
		EG020: Selenium	7782-49-2	1 mg/L	111	----	75	125	----	----
		EG020: Silver	7440-22-4	1 mg/L	83.5	----	75	125	----	----
		EG020: Thallium	7440-28-0	1 mg/L	95.0	----	75	125	----	----
		EG020: Tin	7440-31-5	1 mg/L	107	----	75	125	----	----
		EG020: Vanadium	7440-62-2	1 mg/L	99.2	----	75	125	----	----
		EG020: Zinc	7440-66-6	1 mg/L	76.7	----	75	125	----	----