



General Comments

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

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

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

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

When 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.

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

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting



Analytical Results

Sub-Matrix: WATER

Client sample ID
 Client sampling date / time

				BH 1	BH 2	BH 4	BH 5	BH 6
				23-AUG-2012 07:20	23-AUG-2012 08:05	23-AUG-2012 08:20	23-AUG-2012 09:30	23-AUG-2012 08:35
Compound	CAS Number	LOR	Unit	EW1202338-001	EW1202338-002	EW1202338-003	EW1202338-004	EW1202338-005
EA015: Total Dissolved Solids								
Total Dissolved Solids @180°C	GIS-210-010	1	mg/L	242	420	356	127	176
ED037P: Alkalinity by PC Titrator								
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	65	47	<1	<1	2
Total Alkalinity as CaCO3	----	1	mg/L	65	47	<1	<1	2
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA								
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	80	92	95	24	69
ED045G: Chloride Discrete analyser								
Chloride	16887-00-6	1	mg/L	42	155	154	49	43
ED093T: Total Major Cations								
Calcium	7440-70-2	1	mg/L	19	3	<1	3	<1
Magnesium	7439-95-4	1	mg/L	14	2	6	5	4
Sodium	7440-23-5	1	mg/L	38	132	117	27	48
Potassium	7440-09-7	1	mg/L	2	13	<1	2	1
EK055G: Ammonia as N by Discrete Analyser								
Ammonia as N	7664-41-7	0.01	mg/L	4.44	7.20	0.04	0.04	0.03
EN67 PK: Field Tests								
pH	----	0.1	pH Unit	6.1	5.6	4.2	4.6	4.6
Depth	----	0.01	m	3.63	2.20	3.53	5.60	3.18
EP005: Total Organic Carbon (TOC)								
Total Organic Carbon	----	1	mg/L	<1	14	<1	<1	<1



Analytical Results

Sub-Matrix: WATER

				Client sample ID	LGMB1	LGMB2	LGMB3	LGMB4	----
				Client sampling date / time	23-AUG-2012 07:10	23-AUG-2012 07:30	23-AUG-2012 07:50	23-AUG-2012 07:40	----
Compound	CAS Number	LOR	Unit		EW1202338-006	EW1202338-007	EW1202338-008	EW1202338-009	----
EA015: Total Dissolved Solids									
Total Dissolved Solids @180°C	GIS-210-010	1	mg/L		132	204	96	171	----
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L		<1	<1	<1	<1	----
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L		<1	<1	<1	<1	----
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L		21	<1	7	8	----
Total Alkalinity as CaCO3	----	1	mg/L		21	<1	7	8	----
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L		63	79	29	86	----
ED045G: Chloride Discrete analyser									
Chloride	16887-00-6	1	mg/L		17	73	36	11	----
ED093T: Total Major Cations									
Calcium	7440-70-2	1	mg/L		9	12	3	11	----
Magnesium	7439-95-4	1	mg/L		8	13	2	5	----
Sodium	7440-23-5	1	mg/L		25	36	20	12	----
Potassium	7440-09-7	1	mg/L		5	5	7	32	----
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		0.09	0.06	2.84	0.20	----
EN67 PK: Field Tests									
pH	----	0.1	pH Unit		5.3	4.4	5.2	5.0	----
Depth	----	0.01	m		2.98	3.24	3.18	2.82	----
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L		<1	<1	<1	2	----