

CLIENT DETAILS

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Project **Summer Hill Water_Retest pH**
Order Number **3724**
Samples **4**
Date Started **13 Nov 2014**

LABORATORY DETAILS

Manager **Jon Dicker**
Laboratory **SGS Cairns Environmental**
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SGS Reference **CE112556A R0**
Report Number **0000021357**
Date Reported **13 Nov 2014**
Date Received **13 Nov 2014**

COMMENTS

Accredited for compliance with ISO/IEC 17025. NATA accredited laboratory 2562(3146)

SIGNATORIES



Anthony Nilsson
Operations Manager



Jon Dicker
Manager Northern QLD



ANALYTICAL REPORT

CE112556A R0

		Sample Number	CE112556A.001	CE112556A.002	CE112556A.003	CE112556A.004
		Sample Matrix	Water	Water	Water	Water
		Sample Date	13 Nov 2014	13 Nov 2014	13 Nov 2014	13 Nov 2014
		Sample Name	972	974	975	976
Parameter	Units	LOR				

pH in water Method: AN101

pH**	pH Units	-	7.9	7.9	7.9	7.9
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MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

No QC samples were reported for this job.

METHOD

AN101

METHODOLOGY SUMMARY

pH in Soil Sludge Sediment and Water: pH is measured electrometrically using a combination electrode (glass plus reference electrode) and is calibrated against 3 buffers purchased commercially. For soils, an extract with water is made at a ratio of 1:5 and the pH determined and reported on the extract. Reference APHA 4500-H+.

FOOTNOTES

IS Insufficient sample for analysis.
 LNR Sample listed, but not received.
 * This analysis is not covered by the scope of accreditation.
 ** Indicative data, theoretical holding time exceeded.
 ^ Performed by outside laboratory.

LOR Limit of Reporting
 ↑↓ Raised or Lowered Limit of Reporting
 QFH QC result is above the upper tolerance
 QFL QC result is below the lower tolerance
 - The sample was not analysed for this analyte
 NVL Not Validated

Samples analysed as received.
 Solid samples expressed on a dry weight basis.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

The QC criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here:
[http://www.sgs.com.au/~media/Local/Australia/Documents/ Technical%20Documents/MP-AU-ENV-QU-022%20QA%20QC%20Plan.pdf](http://www.sgs.com.au/~media/Local/Australia/Documents/Technical%20Documents/MP-AU-ENV-QU-022%20QA%20QC%20Plan.pdf)

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