



ISOTECH®

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August 1, 2007

Kristen Carlyon
MACTEC Engineering, Inc.
600 Grand Ave., Suite 300
Oakland, CA 94610

Dear Kristen:

Enclosed are the analysis reports for the water samples recently submitted from the Casmalia Landfill project. These samples were assigned to Isotech job number 8406. These are the same data that were emailed to you earlier. If you have any questions, or if there is anything else we can do for you, please do not hesitate to contact us.

We will hold the sample until 08/10/07 in case you should want any additional analyses carried out and will then dispose of the remaining sample material. If you need us to hold the samples longer, please contact us. The invoice for this work is being mailed to Accounts Payable. Thank you for choosing Isotech for your analysis needs, we appreciate your business.

Sincerely,

Steven R. Pelphrey
Laboratory Manager

Enclosure

SRP:cw

ANALYSIS REPORT

Water Analysis Report

Lab Number: 116776 Job Number: 8406
Submitter Sample Name: SW44-01
Submitter Sample ID:
Submitter Job #:
Company: MACTEC Engineering & Consulting
Field or Site: Casmalia Landfill
Location: 4080064004.9100.19
Depth/Formation:
Container Type: Plastic Bottle
Sample Collected: 5/07/2007
Results Reported: 6/20/2007

Delta D of water ----- na
Delta O-18 of water ----- na
Tritium content of water ----- na
Delta C-13 of DIC ----- -2.03 per mil relative to VPDB
Carbon-14 content of DIC ----- na

Remarks: Delta N-15 of dissolved nitrate: 24.5
Delta O-18 of dissolved nitrate: 22.5



ANALYSIS REPORT

Water Analysis Report

Lab Number: 116777 Job Number: 8406
Submitter Sample Name: Gallery-01
Submitter Sample ID:
Submitter Job #:
Company: MACTEC Engineering & Consulting
Field or Site: Casmalia Landfill
Location: 4080064004.9100.19
Depth/Formation:
Container Type: Plastic Bottle
Sample Collected: 5/09/2007
Results Reported: 6/20/2007

Delta D of water ----- na
Delta O-18 of water ----- na
Tritium content of water ----- 226 ± 5 TU ✓
Delta C-13 of DIC ----- 7.48 per mil relative to VPDB ✓
Carbon-14 content of DIC ----- 354.8 ± 1.3 percent modern carbon ✓

Remarks: Due to low nitrate concentration, isotope data is unavailable for this sample.



ANALYSIS REPORT

Water Analysis Report

Lab Number: 116778 Job Number: 8406

Submitter Sample Name: RP-68C2-01

Submitter Sample ID:

Submitter Job #:

Company: MACTEC Engineering & Consulting

Field or Site: Casmalia Landfill

Location: 4080064004.9100.19

Depth/Formation:

Container Type: Plastic Bottle

Sample Collected: 5/10/2007

Results Reported: 6/20/2007

Delta D of water ----- na

Delta O-18 of water ----- na

Tritium content of water ----- na

Delta C-13 of DIC ----- 0.21 per mil relative to VPDB

Carbon-14 content of DIC ----- na

Remarks: Delta N-15 of dissolved nitrate: 12.9
Delta O-18 of dissolved nitrate: 31.5

