



Illinois
Environmental
Protection Agency

Bureau of Land
1021 North Grand Avenue East
Box 19276
Springfield, IL 62794-9276

RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

This form must be used as a cover sheet for the notices and reports, identified below as required by: (1) a facility's RCRA interim status closure plan; (2) the RCRA interim status regulations; or (3) a facility's RCRA permit. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form is for use by Hazardous Waste facilities only. Reporting for Solid Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit or closure plan modification requests. The facility's approved permit or closure plan will state whether the document you are submitting is required as a report or a modification request.

Facility Name: Honeywell International Inc. Site ID #: 1278540002
Facility Address: 2768 North U.S. 45 Road Fed ID #: ILD 006 278 170

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

<input checked="" type="checkbox"/>	LPC-160 Forms		
	<u>Groundwater</u>		<u>Leachate</u>
<input checked="" type="checkbox"/>	Quarterly – Indicate one: 1 2 3 4	<input type="checkbox"/>	Quarterly – Indicate one: 1 2 3 4
	___ Semi-Annual		___ Semi-Annual
	___ Annual		___ Annual
	___ Biennial		___ Biennial

___ Groundwater Data (without LPC-160 Forms)
___ Quarterly – Indicate one: 1 2 3 4
___ Annual ___ Semi-Annual ___ Biennial

___ Well Construction Information
___ Well Construction Forms, Boring Logs and/or Abandonment Forms
___ Well Survey Data (e.g., Stick-up Elevation Data)

___ Notice of Statistically Significant Evidence of Groundwater Contamination
(35 Ill. Adm. Code 724.198)

___ Notice of Exceedence of Groundwater Concentration Limit (35 Ill. Adm. Code 724.199(h))

___ Notice of Alternate Source or Error in Sampling Analysis or Evaluation of Groundwater
(35 Ill. Adm. Code 724.199(i))

___ Gas Monitoring Reports

___ Other (identify) Report Cover for the RCRA regulated unit wells

Specialty Materials

Honeywell

P.O. Box 430

Highway 45 North

Metropolis, IL 62960

618 524-2111

618 524-6239 Fax

January 11, 2007

Certified Mail:

7004 1350 0003 7046 3492

Mr. Steve Nightingale
Permit Section Manager
Illinois Environmental Protection Agency
Division of Land Pollution Control
1021 North Grand Avenue East
Springfield, IL 62794-9276

RE: Honeywell
Metropolis, Illinois
ILD 006 278 170

Dear Mr. Nightingale:

The enclosed transmittal contains Honeywell Metropolis Works' results for the Fourth Quarter 2006 RCRA groundwater monitoring event conducted on October 17th and 18th of 2006. These monitoring results are submitted in accordance with Operating Permit No. 1981-30-OP and Section III.J.2 of the Facility's RCRA Permit.

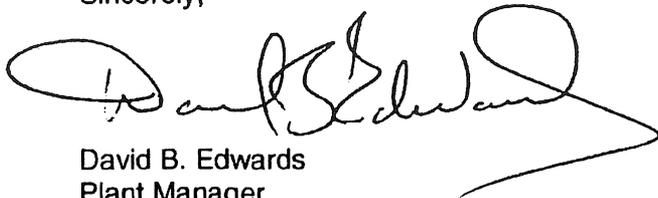
Honeywell is submitting its RCRA groundwater report as an electronic text file in accordance with Section III.J.8 of the Facility's RCRA permit. Enclosed is one diskette that contains two files identified as "RCRA-GW-4qtr2006-file 01" and "RCRA-GW-4qtr2006-file 02". These files contain all the required groundwater monitoring information as outlined in the Facility's RCRA permit. Additionally, included as Attachment A is a summary of the parameter results for each well sampled for the Fourth Quarter 2006 sampling event. Honeywell has also enclosed the statistical evaluation for RCRA groundwater monitoring data for this report quarter as Attachment B. As indicated in this attachment, there were no statistically significant increases.

As required by Section III.F.3.b of the permit, Attachment C provides sampling results for each well and parameter for the previous four quarters. Analysis of the data indicates that the pH in well G-107 has increased over the past four quarters.

Attachment D is a hard copy of the electronic data on the enclosed disk.

If there are any questions concerning the enclosed information, please contact Mr. Darren Mays at (618) 524-6396.

Sincerely,



David B. Edwards
Plant Manager

cc: D. Mays (No Attachments)
G. Thomas
J. Tillson



STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

ANALYTICAL REPORT

4th QTR 2006 RCRA G/W

Lot #: F6J200236

Darrin Dodge

Honeywell
Route 45 North
Metropolis, IL 62960

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in black ink that reads "Terry Romanko".

Terry Romanko
Project Manager

November 13, 2006

Case Narrative
LOT NUMBER: F6J200236

This report contains the analytical results for the 39 samples received under chain of custody by STL St. Louis on October 20, 2006. These samples are associated with your 4th QTR 2006 RCRA G/W project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by STL St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Gross Alpha/Beta by GFPC (EPA 900.0)

The Gross Alpha reporting limit was not met due to a reduction of sample size attributed to the sample's high residual mass. The analytical results are reported.

Affected Samples:

F6J200236 (9): G-103 (A)	F6J200236 (39): L-302E
F6J200236 (10): G-103 (B)	F6J200236 (38): L-301W
F6J200236 (38): L-301W	

The Gross Alpha LCS recovery is outside the upper QC limit, indicating a potential positive bias for that analyte. This analyte was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion. The original sample results are provided.

Affected Samples:

F6J200236 (11): G-103 (C)	F6J200236 (27): G-107 (C)
F6J200236 (12): G-103 (D)	F6J200236 (28): G-107 (D)
F6J200236 (13): R-104 (A)	F6J200236 (29): G-108 (A)
F6J200236 (14): R-104 (B)	F6J200236 (30): G-108 (B)
F6J200236 (15): R-104 (C)	F6J200236 (31): G-108 (C)
F6J200236 (16): R-104 (D)	F6J200236 (32): G-108 (D)
F6J200236 (19): G-105 (C)	F6J200236 (33): R-110 (A)
F6J200236 (20): G-105 (D)	F6J200236 (34): R-110 (B)
F6J200236 (21): G-106 (A)	F6J200236 (35): R-110 (C)
F6J200236 (22): G-106 (B)	F6J200236 (36): R-110 (D)
F6J200236 (23): G-106 (C)	F6J200236 (39): L-302E
F6J200236 (24): G-106 (D)	

Radium-226 by GFPC (EPA 903.0 MOD)

There were no nonconformances or observations noted with this analysis.

Radium-228 by GFPC (EPA 904 MOD)

There was insufficient sample provided to perform the analysis at the method specified amount. A reduced sample amount was prepared. The reporting limit has been elevated accordingly.

Affected Samples:

F6J200236 (38): L-301W

F6J200236 (39): L-302E

Trace ICP Metals (SW846 6010B)

The closing CCV recovery was outside the upper QC limit (greater than 110%) for Arsenic indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:

F6J200236 (28): G-107 (D)

F6J200236 (36): R-110 (D)

F6J200236 (32): G-108 (D)

METHODS SUMMARY

F6J200236

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Gross Alpha/Beta EPA 900	EPA 900.0 MOD	EPA 900.0
Radium-226 by GFPC	EPA 903.0 MOD	
Radium-228 by GFPC	EPA 904 MOD	
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	

References:

- EPA "EASTERN ENVIRONMENTAL RADIATION FACILITY RADIOCHEMISTRY PROCEDURES MANUAL" US EPA EPA 520/5-84-006 AUGUST 1984
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F6J200236

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JGW3M	001	G-101 (A)	10/17/06	12:20
JGW3T	002	G-101 (B)	10/17/06	12:20
JGW3V	003	G-101 (C)	10/17/06	12:20
JGW3W	004	G-101 (D)	10/17/06	12:20
JGW31	005	G-102 (A)	10/18/06	13:08
JGW32	006	G-102 (B)	10/18/06	13:08
JGW33	007	G-102 (C)	10/18/06	13:08
JGW34	008	G-102 (D)	10/18/06	13:08
JGW35	009	G-103 (A)	10/17/06	14:38
JGW37	010	G-103 (B)	10/17/06	14:38
JGW38	011	G-103 (C)	10/17/06	14:38
JGW39	012	G-103 (D)	10/17/06	14:38
JGW4D	013	R-104 (A)	10/17/06	14:07
JGW4F	014	R-104 (B)	10/17/06	14:07
JGW4G	015	R-104 (C)	10/17/06	14:07
JGW4H	016	R-104 (D)	10/17/06	14:07
JGW4K	017	G-105 (A)	10/17/06	13:13
JGW4L	018	G-105 (B)	10/17/06	13:13
JGW4M	019	G-105 (C)	10/17/06	13:13
JGW4N	020	G-105 (D)	10/17/06	13:13
JGW4P	021	G-106 (A)	10/17/06	12:55
JGW4Q	022	G-106 (B)	10/17/06	12:55
JGW4R	023	G-106 (C)	10/17/06	12:55
JGW4T	024	G-106 (D)	10/17/06	12:55
JGW4V	025	G-107 (A)	10/18/06	13:45
JGW4W	026	G-107 (B)	10/18/06	13:45
JGW4X	027	G-107 (C)	10/18/06	13:45
JGW40	028	G-107 (D)	10/18/06	13:45
JGW42	029	G-108 (A)	10/17/06	13:44
JGW43	030	G-108 (B)	10/17/06	13:44
JGW44	031	G-108 (C)	10/17/06	13:44
JGW45	032	G-108 (D)	10/17/06	13:44
JGW5A	033	R-110 (A)	10/17/06	10:20
JGW5F	034	R-110 (B)	10/17/06	10:20
JGW5H	035	R-110 (C)	10/17/06	10:20
JGW5J	036	R-110 (D)	10/17/06	10:20

(Continued on next page)

SAMPLE SUMMARY

F6J200236

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
JGW5L	037	G-500D	10/17/06	15:00
JGW5M	038	L-301W	10/18/06	09:00
JGW5P	039	L-302E	10/18/06	09:05

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Honeywell International Inc

Client Sample ID: G-101 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-004

Matrix.....: WATER

Date Sampled...: 10/17/06 12:20 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW3W1AC
		Dilution Factor: 1		Analysis Time...: 16:12		

Honeywell International Inc

Client Sample ID: G-102 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-008

Matrix.....: WATER

Date Sampled...: 10/18/06 13:08 Date Received...: 10/20/06

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 6296402						
Arsenic	7.6 B	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW341AC
		Dilution Factor: 1		Analysis Time...: 16:29		

NOTE(S):

B Estimated result. Result is less than RL.

Honeywell International Inc

Client Sample ID: G-103 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-012

Matrix.....: WATER

Date Sampled...: 10/17/06 14:38 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	52.0	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW391AC
		Dilution Factor: 1		Analysis Time...: 16:34		

Honeywell International Inc

Client Sample ID: R-104 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-016

Matrix.....: WATER

Date Sampled...: 10/17/06 14:07 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW4H1AC
		Dilution Factor: 1		Analysis Time...: 16:38		

Honeywell International Inc

Client Sample ID: G-105 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-020

Matrix.....: WATER

Date Sampled...: 10/17/06 13:13 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW4N1AC
		Dilution Factor: 1		Analysis Time...: 16:42		

Honeywell International Inc

Client Sample ID: G-106 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-024

Matrix.....: WATER

Date Sampled...: 10/17/06 12:55 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW4T1AC
		Dilution Factor: 1		Analysis Time...: 16:47		

Honeywell International Inc

Client Sample ID: G-107 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-028

Matrix.....: WATER

Date Sampled...: 10/18/06 13:45 Date Received...: 10/20/06

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW401AC
		Dilution Factor: 1		Analysis Time...: 17:02		

Honeywell International Inc

Client Sample ID: G-108 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-032

Matrix.....: WATER

Date Sampled...: 10/17/06 13:44 Date Received...: 10/20/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 6296402						
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW451AC
		Dilution Factor: 1		Analysis Time...: 17:06		

Honeywell International Inc

Client Sample ID: R-110 (D)

TOTAL Metals

Lot-Sample #...: F6J200236-036

Matrix.....: WATER

Date Sampled...: 10/17/06 10:20 Date Received...: 10/20/06

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Prep Batch #...	6296402						
Arsenic	2.9 B	10.0	ug/L	SW846 6010B	10/23-11/01/06	JGW5J1AC	
		Dilution Factor: 1		Analysis Time...: 17:10			

NOTE(S) :

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F6J200236

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
MB Lot-Sample #: F6J230000-402				Prep Batch #...: 6296402		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/23-11/01/06	JG3VA1AA
		Dilution Factor: 1				
		Analysis Time...: 15:52				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F6J200236

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	F6J230000-402	Prep Batch #...:	6296402		
Arsenic	113	(80 - 120)	SW846 6010B	10/23-11/01/06	JG3VA1AC
		Dilution Factor: 1		Analysis Time..:	15:57

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Honeywell International Inc

Client Sample ID: G-101 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-001
 Work Order: JGW3M
 Matrix: WATER

Date Collected: 10/17/06 1220
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	1.1	U	1.4	3.0	2.3	10/27/06	11/03/06
Gross Beta	0.6	U	1.1	4.0	1.8	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-101 (A) DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-001X
 Work Order: JGW3M
 Matrix: WATER

Date Collected: 10/17/06 1220
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	0.2	U	1.2	3.0	2.3	10/27/06	11/03/06
Gross Beta	2.1	J	1.1	4.0	1.7	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-101 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-002
 Work Order: JGW3T
 Matrix: WATER

Date Collected: 10/17/06 1220
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	-0.08	U	1.3	3.0	2.6	10/27/06	11/03/06
Gross Beta	0.18	U	0.91	4.00	1.6	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-101 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-003
 Work Order: JGW3V
 Matrix: WATER

Date Collected: 10/17/06 1220
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	-0.2	U	1.4	3.0	2.7	10/27/06	11/03/06
Gross Beta	0.06	U	0.93	4.00	1.6	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-101 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-004

Date Collected: 10/17/06 1220

Work Order: JGW3W

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	0.6	U	1.6	3.0	2.8	10/27/06	11/03/06
Gross Beta	0.4	U	1.1	4.0	1.8	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-102 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-005
 Work Order: JGW31
 Matrix: WATER

Date Collected: 10/18/06 1308
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L	Batch # 6299374		Yld %
Gross Alpha	0.2	U	1.6	3.0	3.0	10/27/06	11/03/06
Gross Beta	1.2	U	1.3	4.0	2.2	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-102 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-006

Date Collected: 10/18/06 1308

Work Order: JGW32

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	0.7	U	1.7	3.0	2.9	10/27/06	11/03/06
Gross Beta	0.3	U	1.1	4.0	2.0	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc
Client Sample ID: G-102 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-007
 Work Order: JGW33
 Matrix: WATER

Date Collected: 10/18/06 1308
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	1	U	1.4	3.0	2.4	10/27/06	11/03/06
Gross Beta	2.8	J	1.2	4.0	1.7	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-102 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-008
 Work Order: JGW34
 Matrix: WATER

Date Collected: 10/18/06 1308
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	0.8	U	1.5	3.0	2.6	10/27/06	11/03/06
Gross Beta	0.3	U	1.2	4.0	2.0	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-103 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-009
 Work Order: JGW35
 Matrix: WATER

Date Collected: 10/17/06 1438
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	-0.04	U	2.9	3.0	5.3	10/27/06	11/03/06
Gross Beta	-1.6	U	1.5	4.0	2.7	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-103 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-010

Date Collected: 10/17/06 1438

Work Order: JGW37

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6299374	Yld %
Gross Alpha	-4.2	U	2.7	3.0	5.9	10/27/06	11/03/06
Gross Beta	-4.4	U	1.7	4.0	3.3	10/27/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc
Client Sample ID: G-103 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-011
 Work Order: JGW38
 Matrix: WATER

Date Collected: 10/17/06 1438
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	0.5	U	1.3	3.0	2.4	10/28/06	11/03/06
Gross Beta	2.1	U	2.0	4.0	3.2	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-103 (C) DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-011X
 Work Order: JGW38
 Matrix: WATER

Date Collected: 10/17/06 1438
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	0.6	U	1.3	3.0	2.2	10/28/06	11/03/06
Gross Beta	2.5	U	2.2	4.0	3.6	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-103 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-012
 Work Order: JGW39
 Matrix: WATER

Date Collected: 10/17/06 1438
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	1.4	U	1.5	3.0	2.3	10/28/06	11/03/06
Gross Beta	1.6	U	1.8	4.0	3.0	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-104 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-013
 Work Order: JGW4D
 Matrix: WATER

Date Collected: 10/17/06 1407
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	0.7	U	1.3	3.0	2.3	10/28/06	11/03/06
Gross Beta	2.1	U	1.9	4.0	3.1	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-104 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-014

Date Collected: 10/17/06 1407

Work Order: JGW4F

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	0.6	U	1.4	3.0	2.5	10/28/06	11/03/06
Gross Beta	2.7	U	1.8	4.0	2.9	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-104 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-015
 Work Order: JGW4G
 Matrix: WATER

Date Collected: 10/17/06 1407
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	1.5	U	1.6	3.0	2.5	10/28/06	11/03/06
Gross Beta	1.9	U	1.8	4.0	2.9	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-104 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-016

Date Collected: 10/17/06 1407

Work Order: JGW4H

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	2.0	U	1.7	3.0	2.5	10/28/06	11/03/06
Gross Beta	0.6	U	2.0	4.0	3.3	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc
Client Sample ID: G-105 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-017
Work Order: JGW4K
Matrix: WATER

Date Collected: 10/17/06 1313
Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6307502	Yld %
Gross Alpha	2.4	U	1.7	3.0	2.5	11/04/06	11/08/06
Gross Beta	1.8	U	1.4	4.0	2.3	11/04/06	11/08/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-105 (A) DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-017X
 Work Order: JGW4K
 Matrix: WATER

Date Collected: 10/17/06 1313
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6307502	Yld %
Gross Alpha	1.5	U	1.6	3.0	2.5	11/04/06	11/08/06
Gross Beta	1.8	U	1.4	4.0	2.2	11/04/06	11/08/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-105 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-018

Date Collected: 10/17/06 1313

Work Order: JGW4L

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L	Batch # 6307502		Yld %
Gross Alpha	1.5	U	1.8	3.0	2.9	11/04/06	11/08/06
Gross Beta	0.2	U	1.2	4.0	2.1	11/04/06	11/08/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-105 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-019
 Work Order: JGW4M
 Matrix: WATER

Date Collected: 10/17/06 1313
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	1.7	U	1.3	3.0	1.9	10/28/06	11/03/06
Gross Beta	3.4	J	1.8	4.0	2.8	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-105 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-020
 Work Order: JGW4N
 Matrix: WATER

Date Collected: 10/17/06 1313
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6300474	Yld %
Gross Alpha	1.5	U	1.3	3.0	1.9	10/28/06	11/03/06
Gross Beta	2.7	U	1.8	4.0	2.8	10/28/06	11/03/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-106 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-021
 Work Order: JGW4P
 Matrix: WATER

Date Collected: 10/17/06 1255
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta	EPA 900			pCi/L		Batch # 6304434	Yld %
Gross Alpha	0.0	U	0.16	3.00	1.5	11/01/06	11/04/06
Gross Beta	2.5	J	1.3	4.0	1.9	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-106 (A) DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-021X
 Work Order: JGW4P
 Matrix: WATER

Date Collected: 10/17/06 1255
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	0.80	U	0.90	3.00	1.4	11/01/06	11/04/06
Gross Beta	1.6	U	1.3	4.0	2.1	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-106 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-022

Date Collected: 10/17/06 1255

Work Order: JGW40

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	0.5	U	1.4	3.0	2.4	11/01/06	11/04/06
Gross Beta	0.82	U	0.87	4.00	1.4	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-106 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-023
 Work Order: JGW4R
 Matrix: WATER

Date Collected: 10/17/06 1255
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	0.29	U	0.84	3.00	1.5	11/01/06	11/04/06
Gross Beta	2.5	J	1.3	4.0	1.9	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-106 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-024
 Work Order: JGW4T
 Matrix: WATER

Date Collected: 10/17/06 1255
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.09	U	0.95	3.00	1.4	11/01/06	11/04/06
Gross Beta	2.3	J	1.3	4.0	2.1	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-107 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-025
 Work Order: JGW4V
 Matrix: WATER

Date Collected: 10/18/06 1345
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6311225	Yld %
Gross Alpha	1.9	J	1.3	3.0	1.9	11/07/06	11/10/06
Gross Beta	0.8	U	1.2	4.0	1.9	11/07/06	11/10/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-107 (A) DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-025X
 Work Order: JGW4V
 Matrix: WATER

Date Collected: 10/18/06 1345
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6311225	Yld %
Gross Alpha	0.9	U	1.3	3.0	2.1	11/07/06	11/10/06
Gross Beta	2.7	J	1.2	4.0	1.8	11/07/06	11/10/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-107 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-026
 Work Order: JGW4W
 Matrix: WATER

Date Collected: 10/18/06 1345
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6311225	Yld %
Gross Alpha	0.7	U	1.1	3.0	1.8	11/07/06	11/10/06
Gross Beta	1.4	U	1.2	4.0	1.9	11/07/06	11/10/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-107 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-027
 Work Order: JGW4X
 Matrix: WATER

Date Collected: 10/18/06 1345
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.1	U	1.0	3.0	1.5	11/01/06	11/04/06
Gross Beta	1.5	U	1.2	4.0	1.9	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc
Client Sample ID: G-107 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-028
Work Order: JGW40
Matrix: WATER

Date Collected: 10/18/06 1345
Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.2	U	1.0	3.0	1.5	11/01/06	11/04/06
Gross Beta	1.7	U	1.3	4.0	2.0	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-108 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-029
 Work Order: JGW42
 Matrix: WATER

Date Collected: 10/17/06 1344
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L	Batch # 6304434		Yld %
Gross Alpha	1.2	U	1.2	3.0	1.8	11/01/06	11/04/06
Gross Beta	2.1	J	1.2	4.0	1.9	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-108 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-030

Date Collected: 10/17/06 1344

Work Order: JGW43

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.3	U	1.2	3.0	1.8	11/01/06	11/04/06
Gross Beta	1.6	U	1.2	4.0	1.9	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-108 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-031

Date Collected: 10/17/06 1344

Work Order: JGW44

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.1	U	1.1	3.0	1.8	11/01/06	11/04/06
Gross Beta	2.1	J	1.3	4.0	2.1	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-108 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-032
 Work Order: JGW45
 Matrix: WATER

Date Collected: 10/17/06 1344
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L	Batch # 6304434		Yld %
Gross Alpha	0.39	U	0.93	3.00	1.7	11/01/06	11/04/06
Gross Beta	1	U	1.4	4.0	2.3	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-110 (A)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-033
 Work Order: JGW5A
 Matrix: WATER

Date Collected: 10/17/06 1020
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.1	U	1.2	3.0	1.8	11/01/06	11/04/06
Gross Beta	1.7	U	1.5	4.0	2.3	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-110 (B)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-034

Date Collected: 10/17/06 1020

Work Order: JGW5F

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	1.5	U	1.3	3.0	1.9	11/01/06	11/04/06
Gross Beta	1.5	U	1.5	4.0	2.5	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-110 (C)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-035

Date Collected: 10/17/06 1020

Work Order: JGW5H

Date Received: 10/20/06 0900

Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	0.5	U	1.1	3.0	1.9	11/01/06	11/04/06
Gross Beta	3.7	J	1.7	4.0	2.5	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: R-110 (D)

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-036
 Work Order: JGW5J
 Matrix: WATER

Date Collected: 10/17/06 1020
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L	Batch # 6304434		Yld %
Gross Alpha	1.2	U	1.7	3.0	2.8	11/01/06	11/04/06
Gross Beta	5.5		1.9	4.0	2.8	11/01/06	11/04/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: G-500D

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-037
 Work Order: JGW5L
 Matrix: WATER

Date Collected: 10/17/06 1500
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6311225	Yld %
Gross Alpha	0.8	U	1.1	3.0	1.8	11/07/06	11/10/06
Gross Beta	1.4	U	1.3	4.0	2.0	11/07/06	11/10/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: L-301W

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-038
 Work Order: JGW5M
 Matrix: WATER

Date Collected: 10/18/06 0900
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
RA-226 BY EPA-903.0 MOD				pCi/L		Batch # 6296163	Yld % 93
Radium (226)	0.52	J	0.23	1.00	0.28	10/23/06	11/07/06
RA-228 BY GFPC EPA 904 MOD				pCi/L		Batch # 6296164	Yld % 91
Radium 228	-0.12	U	0.45	1.00	0.79	10/23/06	11/07/06
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6311225	Yld %
Gross Alpha	11	U	10	3	15	11/07/06	11/10/06
Gross Beta	1080		110	4	20	11/07/06	11/10/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.

U Result is less than the sample detection limit.

Honeywell International Inc

Client Sample ID: L-302E

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F6J200236-039
 Work Order: JGW5P
 Matrix: WATER

Date Collected: 10/18/06 0905
 Date Received: 10/20/06 0900

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Prep Date	Analysis Date
Gross Alpha/Beta EPA 900				pCi/L		Batch # 6304434	Yld %
Gross Alpha	93	U	75	3	120	11/01/06	11/04/06
Gross Beta	3990		420	4	60	11/01/06	11/04/06
RA-226 BY EPA-903.0 MOD				pCi/L		Batch # 6296163	Yld % 93
Radium (226)	3.87		0.62	1.00	0.20	10/23/06	11/07/06
RA-228 BY GFPC EPA 904 MOD				pCi/L		Batch # 6296164	Yld % 93
Radium 228	0.64	U	0.42	1.00	0.64	10/23/06	11/07/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.

Bold results are greater than the MDC

U Result is less than the sample detection limit.

METHOD BLANK REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F6J200236
 Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ +/-)	RL	MDC	Yld %	Prep Date	Lab Sample ID Analysis Date
RA-226 BY EPA-903.0 MOD Radium (226)	0.055	U	pCi/L 0.085	Batch # 1.00	6296163 0.14	101	10/23/06	F6J230000-163B 11/07/06
RA-228 BY GFPC EPA 904 MOD Radium 228	0.14	U	pCi/L 0.30	Batch # 1.00	6296164 0.51	92	10/23/06	F6J230000-164B 11/07/06
Gross Alpha/Beta EPA 900 Gross Alpha	-0.07	U	pCi/L 0.53	Batch # 3.00	6311225 1.1		11/07/06	F6K070000-225B 11/10/06
Gross Beta	-0.1	U	1.1	4.0	1.9		11/07/06	11/10/06
Gross Alpha/Beta EPA 900 Gross Alpha	-0.26	U	pCi/L 0.61	Batch # 3.00	6299374 1.3		10/27/06	F6J260000-374B 11/03/06
Gross Beta	-0.94	U	0.72	4.00	1.4		10/27/06	11/03/06
Gross Alpha/Beta EPA 900 Gross Alpha	0.20	U	pCi/L 0.39	Batch # 3.00	6300474 0.68		10/28/06	F6J270000-474B 11/03/06
Gross Beta	-0.4	U	1.1	4.0	1.9		10/28/06	11/03/06
Gross Alpha/Beta EPA 900 Gross Alpha	0.27	U	pCi/L 0.50	Batch # 3.00	6304434 0.86		11/01/06	F6J310000-434B 11/04/06
Gross Beta	0.4	U	1.1	4.0	1.8		11/01/06	11/04/06
Gross Alpha/Beta EPA 900 Gross Alpha	-0.13	U	pCi/L 0.64	Batch # 3.00	6307502 1.3		11/04/06	F6K030000-502B 11/08/06
Gross Beta	-0.64	U	0.74	4.00	1.4		11/04/06	11/08/06

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined using instrument performance only
 Bold results are greater than the MDC

U Result is less than the sample detection limit.

Laboratory Control Sample Report

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F6J200236
 Matrix: WATER

Parameter	Spike Amount	Result	Total Uncert. (2σ+/-)	MDC	% Yld	% Rec	Lab Sample ID	QC Control Limits
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J260000-374C	
Gross Beta	92.1	80.0	8.6	1.8		87		(77 - 125)
	Batch #:	6299374		Analysis Date:	11/03/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J260000-374C	
Gross Alpha	51.4	55.5	6.8	1.3		108		(55 - 113)
	Batch #:	6299374		Analysis Date:	11/03/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J270000-474C	
Gross Beta	92.1	85.1	9.1	2.1		92		(77 - 125)
	Batch #:	6300474		Analysis Date:	11/03/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J270000-474C	
Gross Alpha	51.4	62.2	a 7.4	0.9		121 a		(55 - 113)
	Batch #:	6300474		Analysis Date:	11/03/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J310000-434C	
Gross Beta	92.1	76.3	8.2	2.1		83		(77 - 125)
	Batch #:	6304434		Analysis Date:	11/04/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J310000-434C	
Gross Alpha	51.4	61.3	a 7.3	0.9		119 a		(55 - 113)
	Batch #:	6304434		Analysis Date:	11/04/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6K030000-502C	
Gross Beta	92.1	92.4	9.8	1.8		100		(74 - 125)
	Batch #:	6307502		Analysis Date:	11/07/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6K030000-502C	
Gross Alpha	51.4	64.8	7.9	1.4		126		(70 - 130)
	Batch #:	6307502		Analysis Date:	11/07/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6K070000-225C	
Gross Beta	92.1	77.7	8.4	1.9		84		(77 - 125)
	Batch #:	6311225		Analysis Date:	11/10/06			
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6K070000-225C	
Gross Alpha	51.4	46.4	6.0	1.1		90		(55 - 113)
	Batch #:	6311225		Analysis Date:	11/10/06			

NOTE(S)

MDC is determined by instrument performance only
 Calculations are performed before rounding to avoid round-off error in calculated results

- a Spiked analyte outside of stated QC limits.
- a Spiked analyte outside of stated QC limits.

MATRIX SPIKE REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot Id: F6J200236
 Matrix: WATER

Date Sampled: 10/17/06
 Date Received: 10/20/06

Parameter	Spike Amount	Spike Result	Total Uncert. (2σ +/-)	Spike Yld.	Sample Result	Total Uncert. (2σ +/-)	QC Sample ID		QC Control Limits
							%YLD	%REC	
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-011		
Gross Alpha	86.4	88	12		0.5	1.3		101	(32 - 150)
	Batch #: 6300474			Analysis Date: 11/03/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-011		
Gross Beta	155	158	17		2.1	2.0		101	(26 - 150)
	Batch #: 6300474			Analysis Date: 11/03/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-001		
Gross Beta	103	109	12		0.6	1.1		105	(26 - 150)
	Batch #: 6299374			Analysis Date: 11/03/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-001		
Gross Alpha	57.8	59.2	8.3		1.1	1.4		101	(32 - 150)
	Batch #: 6299374			Analysis Date: 11/03/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-017		
Gross Beta	130	126	13		1.8	1.4		96	(26 - 150)
	Batch #: 6307502			Analysis Date: 11/08/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-017		
Gross Alpha	72.5	56.9	8.3		2.4	1.7		75	(32 - 150)
	Batch #: 6307502			Analysis Date: 11/08/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-021		
Gross Alpha	51.4	57.6	8.0		0.0	0.16		112	(32 - 150)
	Batch #: 6304434			Analysis Date: 11/04/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-021		
Gross Beta	92.1	96	10		2.5	1.3		102	(26 - 150)
	Batch #: 6304434			Analysis Date: 11/04/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-025		
Gross Beta	92.1	88.4	9.4		0.8	1.2		95	(26 - 150)
	Batch #: 6311225			Analysis Date: 11/10/06					
Gross Alpha/Beta EPA 900			pCi/L	900.0 MOD			F6J200236-025		
Gross Alpha	51.4	53.7	7.4		1.9	1.3		101	(32 - 150)
	Batch #: 6311225			Analysis Date: 11/10/06					

NOTE(S)

Data are incomplete without the case narrative.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory Control Sample/LCS Duplicate Report

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F6J200236
 Matrix: WATER

Parameter	Spike Amount	Result	Total Uncert. (2 σ +/-)	% Yld	% Rec	QC Control Limits	Lab Sample ID Precision
RA-226 BY EPA-903.0 MOD		pCi/L	903.0 MOD	F6J230000-163C			
Radium (226)	11.2	11.1	1.3	102	99	(54 - 134)	
Spk 2	11.2	10.5	1.2	99	94	(54 - 134)	5 %RPD
Batch #: 6296163		Analysis Date: 11/07/06					
RA-228 BY GFPC EPA 904 MOD		pCi/L	904 MOD	F6J230000-164C			
Radium 228	9.56	8.8	1.1	94	92	(61 - 138)	
Spk 2	9.56	7.53	0.96	100	79	(61 - 138)	16 %RPD
Batch #: 6296164		Analysis Date: 11/07/06					

NOTE(S)

Calculations are performed before rounding to avoid round-off error in calculated results

a Spiked analyte outside of stated QC limits.

DUPLICATE EVALUATION REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F6J200236
 Matrix: WATER

Date Sampled: 10/17/06
 Date Received: 10/20/06

Parameter	SAMPLE Result		Total Uncert. (2σ +/-)	% Yld	DUPLICATE Result	Total Uncert. (2σ +/-)	% Yld	QC Sample ID Precision
Gross Alpha/Beta EPA 900				pCi/L	900.0 MOD			F6J200236-011
Gross Alpha	0.5	U	1.3		0.6	U	1.3	32 %RPD
Gross Beta	2.1	U	2.0		2.5	U	2.2	17 %RPD
	Batch #:		6300474 (Sample)		6300474 (Duplicate)			
Gross Alpha/Beta EPA 900				pCi/L	900.0 MOD			F6J200236-001
Gross Alpha	1.1	U	1.4		0.2	U	1.2	127 %RPD
Gross Beta	0.6	U	1.1		2.1	J	1.1	110 %RPD
	Batch #:		6299374 (Sample)		6299374 (Duplicate)			
Gross Alpha/Beta EPA 900				pCi/L	900.0 MOD			F6J200236-017
Gross Alpha	2.4	U	1.7		1.5	U	1.6	44 %RPD
Gross Beta	1.8	U	1.4		1.8	U	1.4	0.6 %RPD
	Batch #:		6307502 (Sample)		6307502 (Duplicate)			
Gross Alpha/Beta EPA 900				pCi/L	900.0 MOD			F6J200236-021
Gross Alpha	0.0	U	0.16		0.80	U	0.90	200 %RPD
Gross Beta	2.5	J	1.3		1.6	U	1.3	43 %RPD
	Batch #:		6304434 (Sample)		6304434 (Duplicate)			
Gross Alpha/Beta EPA 900				pCi/L	900.0 MOD			F6J200236-025
Gross Alpha	1.9	J	1.3		0.9	U	1.3	66 %RPD
Gross Beta	0.8	U	1.2		2.7	J	1.2	105 %RPD
	Batch #:		6311225 (Sample)		6311225 (Duplicate)			

NOTE(S)

Data are incomplete without the case narrative.
 Calculations are performed before rounding to avoid round-off error in calculated results

- J Result is greater than sample detection limit but less than stated reporting limit.
- U Result is less than the sample detection limit.

