

~~Zoe Cox~~
 Byron Station
 Exelon Nuclear
 4450 N. German Church Road
 Byron, IL 61010

Report of Analysis/Certificate of Conformance

01/21/2008

LIMS #: L34146
 Project ID# EX001-3ESPBYRON-06
 Received: 01/11/2008
 Delivery Date 02/01/2008
 P.O.#: 01000298 REL.#00011
 Release #
 SDG#:

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples, as received by the laboratory, as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

~~Keith Jeter~~
 Keith Jeter
 Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
BY-AR-3	L34146-1	BY-AR-3

Method Reference Numbers

Matrix	Analysis	Method Reference
WG	H-3 (DIST)	EPA 906.0

This report shall not be reproduced or distributed except in its entirety.

N-19

Report of Analysis

01/21/08 12:47



L34146

Byron Station

EX001-3ESPBYRON-06

Sample ID: BY-AR-3	Collect Start: 01/08/2008 15:50	Matrix: Ground Water (WG)
Station: BY-AR-3	Collect Stop: 01/08/2008 15:50	Volume:
Description:	Receive Date: 01/11/2008	% Moisture:
LIMS Number: L34146-1		

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
H-3 (DIST)	2011	7.57E+02	1.54E+02	1.99E+02	pCi/L		10	ml		01/18/08	70:37	M	+ High

Flag Values

- U = Compound/Analyte not detected or less than 3 sigma
- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

- No = Peak not identified in gamma spectrum
- Yes = Peak identified in gamma spectrum
- **** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

01/14/08 16:31

**Teledyne Brown Engineering
Sample Receipt Verification/Variance Report**

SR #: SR16367

Client: Exelon

Project #: EX001-3ESPBYPON-06

LIMS #: L34146

Initiated By: ~~EMARSHALL~~
Init Date: 01/14/08 Receive Date: 01/14/08

Notification of Variance

Person Notified: _____ Contacted By: _____
Notify Date: _____
Notify Method: _____
Notify Comment: _____

Client Response

Person Responding: _____
Response Date: _____
Response Method: _____
Response Comment: _____

Criteria	Yes	No	NA	Comment
1 Shipping container custody seals present and intact.			NA	
2 Sample container custody seals present and intact.			NA	
3 Sample containers received in good condition	Y			
4 Chain of custody received with samples	Y			
5 All samples listed on chain of custody received	Y			
6 Sample container labels present and legible.	Y			
7 Information on container labels correspond with chain of custody	Y			
8 Sample(s) properly preserved and in appropriate container(s)			NA	
9 Other (Describe)			NA	

Raw Data Sheet (rawdata)
Jan 21 2008, 12:48 pm

Work Order: L34146

Customer: Exelon

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Nuclide: H-3 (DIST)

Project: EX001-3KSPBYRON-06

Sample ID	Run #	Analysis	Reference Date/time	Volume/ Aliquot	Scavenge Date/time	Milking Date/time	Mount Weight	Count Recovery	Count Date/time	Counter ID	Total counts	Sample dt	Bkg counts	Bkg dt	Eff. Factor	Decay & Ingrowth Factor	Analyst	
L34146-1		H-3 DIST		10 ml			0		18-Jan-08 03:18	LS7	365	70.37 (N)	191	90 (M)	.183		DW	
BY-AR-3			Activity: 7.57E+02 * Error: 1.54E+02			MDC: 1.99E+02 pCi/L												