RG PP - 002

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

James J. Vouglitois
Exelon Nuclear (Oyster Creek)
P.O. Box 388
US Route 9
Forked River, NJ 08731

Report of Analysis/Certificate of Conformance

03/24/2009

LIMS #:	L38009
Project ID#	EX001-3ESPOC-06
Received:	03/16/2009
Delivery Date	04/06/2009
P.O.#:	01000298 REL.#00010
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
Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-LW-3	L38009-1	OY-LW-3
OY-LW-4	L38009-2	OY-LW-4
OY-SW-2	L38009-3	OY-SW-2
OY-W-2B	L38009-4	OY-W-2B
OY-SW-3	L38009-5	OY-SW-3
OY-W-1A	L38009-6	OY-W-1A
OY-W-2A	L38009-7	OY-W-2A
OY-II-2A	L38009-8	OY-II-2A

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-SW-1	L38009-9	OY-SW-1
OY-MW-15K-1A	L38009-10	OY-MW-15K-1A
OY-MW-16D	L38009-11	OY-MW-16D
OY-MW-1I-1A	L38009-12	OY-MW-1I-1A
OY-DWS	L38009-13	OY-DWS
OY-W-2	L38009-14	OY-W-2
OY-W-3	L38009-15	OY-W-3
OY-W-4	L38009-16	OY-W-4
OY-W-4A	L38009-17	OY-W-4A
OY-W-4B	L38009-18	OY-W-4B
OY-W-5	L38009-19	OY-W-5
OY-W-6	L38009-20	OY-W-6

Method Reference Numbers

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

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

Sample ID: **OY-LW-3** | Collect Start: 03/12/2009 09:47 | Matrix: Ground Water (WG)
Station: OY-LW-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-1

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	6.54E+00	1.17E+02	**1.92E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-LW-4** | Collect Start: 03/12/2009 09:40 | Matrix: Ground Water (WG)
Station: OY-LW-4 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-2

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	1.72E+01	1.16E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-SW-2** | Collect Start: 03/09/2009 13:56 | Matrix: Surface Water (WT)
Station: OY-SW-2 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-3

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	-7.61E+01	1.13E+02	**1.91E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-W-2B** | Collect Start: 03/10/2009 11:42 | Matrix: Ground Water (WG)
Station: OY-W-2B | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-4

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	2.58E+01	1.16E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	80	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-SW-3** | Collect Start: 03/10/2009 14:27 | Matrix: Surface Water (WT)
Station: OY-SW-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-5

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	3.60E+01	1.15E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-W-1A** | Collect Start: 03/10/2009 10:25 | Matrix: Ground Water (WG)
Station: OY-W-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-6

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	-4.10E+01	1.13E+02	**1.90E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-W-2A** | Collect Start: 03/10/2009 11:05 | Matrix: Ground Water (WG)
Station: OY-W-2A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-7

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	-6.55E+01	1.10E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U			

Sample ID: **OY-11-2A** | Collect Start: 03/10/2009 13:40 | Matrix: Ground Water (WG)
Station: OY-11-2A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-8

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	2.65E+01	1.19E+02	**1.94E+02**	pCi/L		10	ml		03/23/09	80	M	U			

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.

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-SW-1** | Collect Start: 03/11/2009 12:38 | Matrix: Surface Water (WT)
Station: OY-SW-1 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-9

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	-6.38E+01	1.07E+02	**1.81E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-15K-1A** | Collect Start: 03/10/2009 11:34 | Matrix: Ground Water (WG)
Station: OY-MW-15K-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-10

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	4.57E+01	1.18E+02	**1.92E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-16D** | Collect Start: 03/10/2009 13:10 | Matrix: Ground Water (WG)
Station: OY-MW-16D | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-11

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	6.57E+01	1.16E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-11-1A** | Collect Start: 03/10/2009 14:05 | Matrix: Ground Water (WG)
Station: OY-MW-11-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-12

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	8.08E+01	1.20E+02	**1.92E+02**	pCi/L		10	ml		03/24/09	80	M	U

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-DWS** | Collect Start: 03/11/2009 13:15 | Matrix: Ground Water (WG)
Station: OY-DWS | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-13

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	-6.58E+00	1.17E+02	**1.93E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-2** | Collect Start: 03/10/2009 15:25 | Matrix: Ground Water (WG)
Station: OY-W-2 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-14

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	-3.48E+01	1.15E+02	**1.92E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-3** | Collect Start: 03/10/2009 10:18 | Matrix: Ground Water (WG)
Station: OY-W-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-15

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	8.89E+01	1.20E+02	**1.91E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-4** | Collect Start: 03/10/2009 10:52 | Matrix: Ground Water (WG)
Station: OY-W-4 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-16

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	9.15E+01	1.18E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	80	M	U

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-W-4A** Collect Start: 03/11/2009 11:11 Matrix: Ground Water (WG)
Station: OY-W-4A Collect Stop: Volume:
Description: Receive Date: 03/16/2009 % Moisture:
LIMS Number: L38009-17

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	4.25E+01	1.15E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-4B** Collect Start: 03/11/2009 11:01 Matrix: Ground Water (WG)
Station: OY-W-4B Collect Stop: Volume:
Description: Receive Date: 03/16/2009 % Moisture:
LIMS Number: L38009-18

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	9.22E+01	1.19E+02	**1.89E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-5** Collect Start: 03/11/2009 08:58 Matrix: Ground Water (WG)
Station: OY-W-5 Collect Stop: Volume:
Description: Receive Date: 03/16/2009 % Moisture:
LIMS Number: L38009-19

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	-1.05E+01	1.11E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-6** Collect Start: 03/11/2009 09:25 Matrix: Ground Water (WG)
Station: OY-W-6 Collect Stop: Volume:
Description: Receive Date: 03/16/2009 % Moisture:
LIMS Number: L38009-20

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	2.39E+01	1.17E+02	**1.91E+02**	pCi/L		10	ml		03/24/09	80	M	U

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

Bolded text indicates reportable value.

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

RGAPO

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

James J. Vouglitois
Exelon Nuclear (Oyster Creek)
P.O. Box 388
US Route 9
Forked River, NJ 08731

Report of Analysis/Certificate of Conformance

03/24/2009

LIMS #:	L38010
Project ID#	EX001-3ESPOC-06
Received:	03/16/2009
Delivery Date	04/06/2009
P.O.#:	01000298 REL.#00010
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
Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-W-7	L38010-1	OY-W-7
OY-W-9	L38010-2	OY-W-9
OY-W-10	L38010-3	OY-W-10
OY-W-12	L38010-4	OY-W-12
OY-W-13	L38010-5	OY-W-13
OY-W-14	L38010-6	OY-W-14
OY-W-15	L38010-7	OY-W-15
OY-W-16	L38010-8	OY-W-16

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-W-20	L38010-9	OY-W-20
OY-MW-1A-2A	L38010-10	OY-MW-1A-2A
OY-W-24	L38010-11	OY-W-24
OY-W-31	L38010-12	OY-W-31
OY-CST-9	L38010-13	OY-CST-9

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.

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

Sample ID: **OY-W-7** | Collect Start: 03/11/2009 10:20 | Matrix: Ground Water (WG)
Station: OY-W-7 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-1

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	-3.93E+01	1.11E+02	**1.87E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-9** | Collect Start: 03/10/2009 13:02 | Matrix: Ground Water (WG)
Station: OY-W-9 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-2

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	-1.84E+01	1.12E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-10** | Collect Start: 03/10/2009 11:58 | Matrix: Ground Water (WG)
Station: OY-W-10 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-3

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	-6.76E+01	1.10E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-12** | Collect Start: 03/10/2009 14:27 | Matrix: Ground Water (WG)
Station: OY-W-12 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-4

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	-4.05E+01	1.08E+02	**1.82E+02**	pCi/L		10	ml		03/23/09	60	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-W-13** | Collect Start: 03/10/2009 14:09 | Matrix: Ground Water (WG)
Station: OY-W-13 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-5

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	-4.38E+01	1.05E+02	**1.77E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-14** | Collect Start: 03/11/2009 08:43 | Matrix: Ground Water (WG)
Station: OY-W-14 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-6

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	-1.38E+01	1.12E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-15** | Collect Start: 03/11/2009 09:41 | Matrix: Ground Water (WG)
Station: OY-W-15 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-7

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	-7.24E+01	1.06E+02	**1.83E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-16** | Collect Start: 03/10/2009 15:35 | Matrix: Ground Water (WG)
Station: OY-W-16 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-8

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	2.20E+01	1.09E+02	**1.78E+02**	pCi/L		10	ml		03/23/09	60	M	U			

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.

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

James J. Vouglitois

Sample ID: **OY-W-20**
Station: OY-W-20
Description:
LIMS Number: L38010-9

Collect Start: 03/10/2009 14:40
Collect Stop:
Receive Date: 03/16/2009

Matrix: Ground Water (WG)
Volume:
% Moisture:

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	-2.34E+00	1.15E+02	**1.89E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-MW-1A-2A**
Station: OY-MW-1A-2A
Description:
LIMS Number: L38010-10

Collect Start: 03/11/2009 10:30
Collect Stop:
Receive Date: 03/16/2009

Matrix: Ground Water (WG)
Volume:
% Moisture:

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	2.08E+01	1.15E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-W-24**
Station: OY-W-24
Description:
LIMS Number: L38010-11

Collect Start: 03/10/2009 10:51
Collect Stop:
Receive Date: 03/16/2009

Matrix: Ground Water (WG)
Volume:
% Moisture:

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	8.19E+01	1.17E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-W-31**
Station: OY-W-31
Description:
LIMS Number: L38010-12

Collect Start: 03/10/2009 15:56
Collect Stop:
Receive Date: 03/16/2009

Matrix: Ground Water (WG)
Volume:
% Moisture:

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	1.82E+01	1.13E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	60	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-CST-9**	Collect Start: 03/11/2009 15:33	Matrix: Ground Water	(WG)
Station: OY-CST-9	Collect Stop:	Volume:	
Description:	Receive Date: 03/16/2009	% Moisture:	
LIMS Number: L38010-13			

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	1.68E+02	1.21E+02	**1.82E+02**	pCi/L		10	ml		03/24/09	60	M	U			

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

Bolded text indicates reportable value.

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

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

James J. Vouglitois
Exelon Nuclear (Oyster Creek)
P.O. Box 388
US Route 9
Forked River, NJ 08731

Report of Analysis/Certificate of Conformance

03/24/2009

LIMS #:	L38009
Project ID#	EX001-3ESPOC-06
Received:	03/16/2009
Delivery Date	04/06/2009
P.O.#:	01000298 REL.#00010
Release #	
3DG#:	

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
Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-LW-3	L38009-1	OY-LW-3
OY-LW-4	L38009-2	OY-LW-4
OY-SW-2	L38009-3	OY-SW-2
OY-W-2B	L38009-4	OY-W-2B
OY-SW-3	L38009-5	OY-SW-3
OY-W-1A	L38009-6	OY-W-1A
OY-W-2A	L38009-7	OY-W-2A
OY-II-2A	L38009-8	OY-II-2A

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-SW-1	L38009-9	OY-SW-1
OY-MW-15K-1A	L38009-10	OY-MW-15K-1A
OY-MW-16D	L38009-11	OY-MW-16D
OY-MW-1I-1A	L38009-12	OY-MW-1I-1A
OY-DWS	L38009-13	OY-DWS
OY-W-2	L38009-14	OY-W-2
OY-W-3	L38009-15	OY-W-3
OY-W-4	L38009-16	OY-W-4
OY-W-4A	L38009-17	OY-W-4A
OY-W-4B	L38009-18	OY-W-4B
OY-W-5	L38009-19	OY-W-5
OY-W-6	L38009-20	OY-W-6

Method Reference Numbers

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

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

Sample ID: **OY-LW-3** | Collect Start: 03/12/2009 09:47 | Matrix: Ground Water (WG)
Station: OY-LW-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-1

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	6.54E+00	1.17E+02	**1.92E+02**	pCi/L		10	ml		03/23/09	80	M	U		

Sample ID: **OY-LW-4** | Collect Start: 03/12/2009 09:40 | Matrix: Ground Water (WG)
Station: OY-LW-4 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-2

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	1.72E+01	1.16E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	80	M	U		

Sample ID: **OY-SW-2** | Collect Start: 03/09/2009 13:56 | Matrix: Surface Water (WT)
Station: OY-SW-2 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-3

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	-7.61E+01	1.13E+02	**1.91E+02**	pCi/L		10	ml		03/23/09	80	M	U		

Sample ID: **OY-W-2B** | Collect Start: 03/10/2009 11:42 | Matrix: Ground Water (WG)
Station: OY-W-2B | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-4

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	2.58E+01	1.16E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	80	M	U		

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

Bolded text indicates reportable value.

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

L38009 3 of

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

James J. Vouglitois

Sample ID: **OY-SW-3** | Collect Start: 03/10/2009 14:27 | Matrix: Surface Water (WT)
Station: OY-SW-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-5

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	3.60E+01	1.15E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-W-1A** | Collect Start: 03/10/2009 10:25 | Matrix: Ground Water (WG)
Station: OY-W-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-6

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	-4.10E+01	1.13E+02	**1.90E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-W-2A** | Collect Start: 03/10/2009 11:05 | Matrix: Ground Water (WG)
Station: OY-W-2A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-7

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	-6.55E+01	1.10E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-1I-2A** | Collect Start: 03/10/2009 13:40 | Matrix: Ground Water (WG)
Station: OY-1I-2A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-8

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	2.65E+01	1.19E+02	**1.94E+02**	pCi/L		10	ml		03/23/09	80	M	U

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

James J. Vouglitois

Sample ID: **OY-SW-1** | Collect Start: 03/11/2009 12:38 | Matrix: Surface Water (WT)
Station: OY-SW-1 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-9

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	-6.38E+01	1.07E+02	**1.81E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-15K-1A** | Collect Start: 03/10/2009 11:34 | Matrix: Ground Water (WG)
Station: OY-MW-15K-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-10

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	4.57E+01	1.18E+02	**1.92E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-16D** | Collect Start: 03/10/2009 13:10 | Matrix: Ground Water (WG)
Station: OY-MW-16D | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-11

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	6.57E+01	1.16E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	80	M	U

Sample ID: **OY-MW-1I-1A** | Collect Start: 03/10/2009 14:05 | Matrix: Ground Water (WG)
Station: OY-MW-1I-1A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-12

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	8.08E+01	1.20E+02	**1.92E+02**	pCi/L		10	ml		03/24/09	80	M	U

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

James J. Vouglitois

Sample ID: **OY-DWS** | Collect Start: 03/11/2009 13:15 | Matrix: Ground Water (WG)
Station: OY-DWS | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-13

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	-6.58E+00	1.17E+02	**1.93E+02**	pCi/L		10	ml		03/24/09	80	M	U			

Sample ID: **OY-W-2** | Collect Start: 03/10/2009 15:25 | Matrix: Ground Water (WG)
Station: OY-W-2 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-14

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	-3.48E+01	1.15E+02	**1.92E+02**	pCi/L		10	ml		03/24/09	80	M	U			

Sample ID: **OY-W-3** | Collect Start: 03/10/2009 10:18 | Matrix: Ground Water (WG)
Station: OY-W-3 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-15

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	8.89E+01	1.20E+02	**1.91E+02**	pCi/L		10	ml		03/24/09	80	M	U			

Sample ID: **OY-W-4** | Collect Start: 03/10/2009 10:52 | Matrix: Ground Water (WG)
Station: OY-W-4 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-16

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	9.15E+01	1.18E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	80	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:01

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38009

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

James J. Vouglitois

Sample ID: **OY-W-4A** | Collect Start: 03/11/2009 11:11 | Matrix: Ground Water (WG)
Station: OY-W-4A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-17

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	4.25E+01	1.15E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-4B** | Collect Start: 03/11/2009 11:01 | Matrix: Ground Water (WG)
Station: OY-W-4B | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-18

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	9.22E+01	1.19E+02	**1.89E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-5** | Collect Start: 03/11/2009 08:58 | Matrix: Ground Water (WG)
Station: OY-W-5 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-19

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	-1.05E+01	1.11E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	80	M	U

Sample ID: **OY-W-6** | Collect Start: 03/11/2009 09:25 | Matrix: Ground Water (WG)
Station: OY-W-6 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38009-20

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	2.39E+01	1.17E+02	**1.91E+02**	pCi/L		10	ml		03/24/09	80	M	U

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

Bolded text indicates reportable value.

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

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

James J. Vouglitois
Exelon Nuclear (Oyster Creek)
P.O. Box 388
US Route 9
Forked River, NJ 08731

Report of Analysis/Certificate of Conformance

03/24/2009

LIMS #:	L38010
Project ID#	EX001-3ESPOC-06
Received:	03/16/2009
Delivery Date	04/06/2009
P.O.#:	01000298 REL.#00010
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
Operations Manager

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-W-7	L38010-1	OY-W-7
OY-W-9	L38010-2	OY-W-9
OY-W-10	L38010-3	OY-W-10
OY-W-12	L38010-4	OY-W-12
OY-W-13	L38010-5	OY-W-13
OY-W-14	L38010-6	OY-W-14
OY-W-15	L38010-7	OY-W-15
OY-W-16	L38010-8	OY-W-16

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Cross Reference Table

Client ID	Laboratory ID	Station ID (if applicable)
OY-W-20	L38010-9	OY-W-20
OY-MW-1A-2A	L38010-10	OY-MW-1A-2A
OY-W-24	L38010-11	OY-W-24
OY-W-31	L38010-12	OY-W-31
OY-CST-9	L38010-13	OY-CST-9

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.

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

EX001-3ESPOC-06

Sample ID: **OY-W-7** | Collect Start: 03/11/2009 10:20 | Matrix: Ground Water (WG)
Station: OY-W-7 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-1

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	-3.93E+01	1.11E+02	**1.87E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-9** | Collect Start: 03/10/2009 13:02 | Matrix: Ground Water (WG)
Station: OY-W-9 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-2

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	-1.84E+01	1.12E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-10** | Collect Start: 03/10/2009 11:58 | Matrix: Ground Water (WG)
Station: OY-W-10 | Collect Stop: | Volume:
Description: - | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-3

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	-6.76E+01	1.10E+02	**1.89E+02**	pCi/L		10	ml		03/23/09	60	M	U			

Sample ID: **OY-W-12** | Collect Start: 03/10/2009 14:27 | Matrix: Ground Water (WG)
Station: OY-W-12 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-4

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	-4.05E+01	1.08E+02	**1.82E+02**	pCi/L		10	ml		03/23/09	60	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-W-13** | Collect Start: 03/10/2009 14:09 | Matrix: Ground Water (WG)
Station: OY-W-13 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-5

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	-4.38E+01	1.05E+02	**1.77E+02**	pCi/L		10	ml		03/23/09	60	M	U

Sample ID: **OY-W-14** | Collect Start: 03/11/2009 08:43 | Matrix: Ground Water (WG)
Station: OY-W-14 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-6

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	-1.38E+01	1.12E+02	**1.86E+02**	pCi/L		10	ml		03/23/09	60	M	U

Sample ID: **OY-W-15** | Collect Start: 03/11/2009 09:41 | Matrix: Ground Water (WG)
Station: OY-W-15 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-7

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	-7.24E+01	1.06E+02	**1.83E+02**	pCi/L		10	ml		03/23/09	60	M	U

Sample ID: **OY-W-16** | Collect Start: 03/10/2009 15:35 | Matrix: Ground Water (WG)
Station: OY-W-16 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-8

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	2.20E+01	1.09E+02	**1.78E+02**	pCi/L		10	ml		03/23/09	60	M	U

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID: **OY-W-20** | Collect Start: 03/10/2009 14:40 | Matrix: Ground Water (WG)
Station: OY-W-20 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-9

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	-2.34E+00	1.15E+02	**1.89E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-MW-1A-2A** | Collect Start: 03/11/2009 10:30 | Matrix: Ground Water (WG)
Station: OY-MW-1A-2A | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-10

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	2.08E+01	1.15E+02	**1.87E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-W-24** | Collect Start: 03/10/2009 10:51 | Matrix: Ground Water (WG)
Station: OY-W-24 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-11

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	8.19E+01	1.17E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	60	M	U			

Sample ID: **OY-W-31** | Collect Start: 03/10/2009 15:56 | Matrix: Ground Water (WG)
Station: OY-W-31 | Collect Stop: | Volume:
Description: | Receive Date: 03/16/2009 | % Moisture:
LIMS Number: L38010-12

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	1.82E+01	1.13E+02	**1.84E+02**	pCi/L		10	ml		03/24/09	60	M	U			

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

Bolded text indicates reportable value.

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

Report of Analysis

03/24/09 18:02

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L38010

Exelon Nuclear (Oyster Creek)

James J. Vouglitois

EX001-3ESPOC-06

Sample ID:	**OY-CST-9**	Collect Start: 03/11/2009 15:33	Matrix:	Ground Water	(WG)
Station:	OY-CST-9	Collect Stop:	Volume:		
Description:		Receive Date: 03/16/2009	% Moisture:		
LIMS Number:	L38010-13				

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	1.68E+02	1.21E+02	**1.82E+02**	pCi/L		10	ml		03/24/09	60	M	U			

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

Bolded text indicates reportable value.

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