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Progress Energy

NOV 15 2007

RECEIVED
SERIAL: HNP-07-138
NOV 16 2007
SUPERFUND SECTION

Mr. Bobby Lutfy
North Carolina Department of Environment
and Natural Resources
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Subject: Shearon Harris Nuclear Power Plant
Solid Waste Permit No. 92-10
Groundwater Monitoring Data

Dear Mr. Lutfy:

In accordance with Solid Waste Permit No. 92-10 and Post Closure Condition 8.b, for the Harris Nuclear Plant sanitary landfill, enclosed are the results of the second semi-annual sampling of the groundwater monitoring wells for 2007.

If you have any questions or need further information, please contact Mr. Bob Wilson at (919) 362-2444.

Sincerely,

Christopher L. Burton

Christopher L. Burton
Director of Site Operations
Harris Nuclear Plant

CLB/mgw

Enclosure

Progress Energy Carolinas, Inc.
Harris Nuclear Plant
P. O. Box 165
New Hill, NC 27562

HNP Landfill 92-10
Ground Water Field Results

Well Number	Date	Time	pH	Conductivity (μ)
1	10/14/07	12:15	7.41	831
2	10/14/07	11:50	6.25	666
3	10/14/07	11:30	7.58	429
6	10/14/07	12:50	7.62	311
7	10/14/07	13:10	8.28	404

Sampled by: M. Stringer and C. Barnhill

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Tuesday, October 30, 2007

Progress Energy Carolinas (PR015)

Attn: Robert T. Wilson

5413 Shearon Harris Road

New Hill, NC 27562

RE: Laboratory Results for
Project Number: Permit #92-10 07-5054-5058, Project Name/Desc: Harris Nuclear Plant L
ENCO Workorder: C713309

Dear Robert T. Wilson,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, October 15, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz For Link Thrower
Operations Mgr

Enclosure(s)

The total number of pages in this report, including this page is 31.

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CASE NARRATIVE

Date: 30 October 2007
Client: Progress Energy Carolinas
Project #: Harris Nuclear Plant Landfill
Lab ID: C713309

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

A small amount of the target analytes were found in the Method Blank for the Arsenic and Barium analyses. All the sample detections of Arsenic were below the NC SWS Limit and are appropriately qualified (J-flagged). The Arsenic detections in the samples should be considered to have a high bias. The sample detections of Barium were greater than ten times the detection in the Method Blank.

Quality Control Remarks

No comments

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: W #1 (07-5054) Lab ID: C713309-01 Sampled: 10/14/07 12:15 Received: 10/15/07 13:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/11/07	10/19/07 16:00	10/20/2007 23:37
EPA 6010B	04/11/08	10/19/07 09:38	10/23/2007 13:27
EPA 7470A	11/11/07	10/22/07 09:02	10/23/2007 13:06
EPA 8260B	10/28/07	10/21/07 13:54	10/22/2007 19:39

Client ID: W #2 (07-5055) Lab ID: C713309-02 Sampled: 10/14/07 11:50 Received: 10/15/07 13:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/11/07	10/19/07 16:00	10/20/2007 23:54
EPA 6010B	04/11/08	10/19/07 09:38	10/23/2007 13:34
EPA 7470A	11/11/07	10/22/07 09:02	10/23/2007 13:28
EPA 8260B	10/28/07	10/21/07 13:54	10/22/2007 17:41

Client ID: W #3 (07-5056) Lab ID: C713309-03 Sampled: 10/14/07 11:30 Received: 10/15/07 13:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/11/07	10/19/07 16:00	10/21/2007 00:12
EPA 6010B	04/11/08	10/19/07 09:38	10/23/2007 13:41
EPA 7470A	11/11/07	10/22/07 09:02	10/23/2007 13:31
EPA 8260B	10/28/07	10/21/07 13:54	10/22/2007 18:11

Client ID: W #6 (07-5057) Lab ID: C713309-04 Sampled: 10/14/07 12:50 Received: 10/15/07 13:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/11/07	10/19/07 16:00	10/21/2007 00:30
EPA 6010B	04/11/08	10/19/07 09:38	10/23/2007 14:02
EPA 7470A	11/11/07	10/22/07 09:02	10/23/2007 13:34
EPA 8260B	10/28/07	10/21/07 13:54	10/22/2007 18:40

Client ID: W #7 (07-5058) Lab ID: C713309-05 Sampled: 10/14/07 13:10 Received: 10/15/07 13:20

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/11/07	10/19/07 16:00	10/21/2007 00:47
EPA 6010B	04/11/08	10/19/07 09:38	10/23/2007 14:09
EPA 7470A	11/11/07	10/22/07 09:02	10/23/2007 13:37
EPA 8260B	10/28/07	10/21/07 13:54	10/22/2007 19:09

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: W #1 (07-5054) — **Lab ID: C713309-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	85		1	0.090	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	5.3		1	0.14	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.4		1	0.15	1.0	1	ug/L	EPA 8260B	
Arsenic	3.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	144		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.71	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Chloroethane	1.9	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.5	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Sulfate	3.3	J	1	0.03	2.0	250	mg/L	EPA 300.0	
Trichloroethene	4.1		1	0.23	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.5		1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: W #2 (07-5055) — **Lab ID: C713309-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.9	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.75	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	127		1	0.20	10.0	100	ug/L	EPA 6010B	
Sulfate	3.9	J	1	0.03	2.0	250	mg/L	EPA 300.0	

Client ID: W #3 (07-5056) — **Lab ID: C713309-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	3.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	193		1	0.20	10.0	100	ug/L	EPA 6010B	
Sulfate	4.6	J	1	0.03	2.0	250	mg/L	EPA 300.0	

Client ID: W #6 (07-5057) — **Lab ID: C713309-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	3.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	329		1	0.20	10.0	100	ug/L	EPA 6010B	
Sulfate	3.5	J	1	0.03	2.0	250	mg/L	EPA 300.0	

Client ID: W #7 (07-5058) — **Lab ID: C713309-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.36	J	1	0.090	1.0	5	ug/L	EPA 8260B	
Barium	25.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Sulfate	2.1	J	1	0.03	2.0	250	mg/L	EPA 300.0	

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ANALYTICAL RESULTS

Description: W #1 (07-5054)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-01
Sampled: 10/14/07 12:15
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 19:39	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,1-Dichloroethane [75-34-3] *	**85**		ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
1,1-Dichloroethene [75-35-4] *	**5.3**		ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 19:39	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
1,4-Dichlorobenzene [106-46-7] *	**1.4**		ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 19:39	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 19:39	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 19:39	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 19:39	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 19:39	jkg	
Benzene [71-43-2] *	**0.71**	J	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 19:39	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 19:39	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 19:39	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 19:39	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 19:39	jkg	
Chloroethane [75-00-3] *	**1.9**	J	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 19:39	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**1.5**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 19:39	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 19:39	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 19:39	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/22/07 19:39	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 19:39	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/22/07 19:39	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 19:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 19:39	jkg	

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Description: W #1 (07-5054)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-01
Sampled: 10/14/07 12:15
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 19:39	jkg	
Trichloroethene [79-01-6] *	**4.1**		ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 19:39	jkg	
Vinyl chloride [75-01-4] *	**1.5**		ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:39	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 19:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 19:39*	*jkg*	
Dibromofluoromethane	*39*	*1*	*50.0*	*79 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 19:39*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 19:39*	*jkg*	

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Description: W #1 (07-5054)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-01
Sampled: 10/14/07 12:15
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**3.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:27	VLO	
Barium [7440-39-3] *	**144**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 13:27	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 13:27	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:27	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:27	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:06	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:27	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:27	VLO	

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Description: W #1 (07-5054)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-01
Sampled: 10/14/07 12:15
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**3.3**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/20/07 23:37	RSA	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: W #2 (07-5055)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-02
Sampled: 10/14/07 11:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 17:41	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,1-Dichloroethane [75-34-3] *	**1.9**	J	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 17:41	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
1,4-Dichlorobenzene [106-46-7] *	**0.75**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 17:41	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 17:41	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 17:41	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 17:41	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 17:41	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 17:41	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 17:41	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 17:41	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 17:41	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 17:41	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 17:41	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 17:41	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 17:41	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 17:41	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/22/07 17:41	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 17:41	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/22/07 17:41	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 17:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 17:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 17:41	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 17:41	jkg	

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Description: W #2 (07-5055)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-02
Sampled: 10/14/07 11:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 17:41	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 17:41	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 17:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*77 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 17:41*	*jkg*	
Dibromofluoromethane	*38*	*1*	*50.0*	*77 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 17:41*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 17:41*	*jkg*	

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Description: W #2 (07-5055)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-02
Sampled: 10/14/07 11:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:34	VLO	
Barium [7440-39-3] *	**127**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 13:34	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 13:34	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:34	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:34	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:28	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:34	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:34	VLO	

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Description: W #2 (07-5055)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-02
Sampled: 10/14/07 11:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**3.9**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/20/07 23:54	RSA	

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Description: W #3 (07-5056)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-03
Sampled: 10/14/07 11:30
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 18:11	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 18:11	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 18:11	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 18:11	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 18:11	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 18:11	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 18:11	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 18:11	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 18:11	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 18:11	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 18:11	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 18:11	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 18:11	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 18:11	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 18:11	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 18:11	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/22/07 18:11	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 18:11	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/22/07 18:11	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 18:11	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 18:11	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 18:11	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 18:11	jkg	

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Description: W #3 (07-5056)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-03
Sampled: 10/14/07 11:30
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 18:11	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:11	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 18:11	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 18:11*	*jkg*	
Dibromofluoromethane	*39*	*1*	*50.0*	*79 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 18:11*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 18:11*	*jkg*	

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Description: W #3 (07-5056)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-03
Sampled: 10/14/07 11:30
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**3.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:41	VLO	
Barium [7440-39-3] *	**193**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 13:41	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 13:41	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:41	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:41	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:31	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:41	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 13:41	VLO	

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Description: W #3 (07-5056)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-03
Sampled: 10/14/07 11:30
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**4.6**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/21/07 00:12	RSA	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: W #6 (07-5057)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-04
Sampled: 10/14/07 12:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 18:40	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 18:40	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 18:40	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 18:40	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 18:40	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 18:40	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 18:40	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 18:40	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 18:40	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 18:40	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 18:40	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 18:40	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 18:40	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 18:40	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 18:40	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 18:40	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/22/07 18:40	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 18:40	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/22/07 18:40	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 18:40	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 18:40	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 18:40	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 18:40	jkg	

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Description: W #6 (07-5057)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-04
Sampled: 10/14/07 12:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 18:40	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 18:40	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 18:40	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*79 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 18:40*	*jkg*	
Dibromofluoromethane	*39*	*1*	*50.0*	*77 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 18:40*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 18:40*	*jkg*	

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Description: W #6 (07-5057)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-04
Sampled: 10/14/07 12:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**3.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:02	VLO	
Barium [7440-39-3] *	**329**		ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:02	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:02	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:02	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:02	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:34	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:02	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:02	VLO	

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Description: W #6 (07-5057)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-04
Sampled: 10/14/07 12:50
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**3.5**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/21/07 00:30	RSA	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: W #7 (07-5058)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-05
Sampled: 10/14/07 13:10
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/07 19:09	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,1-Dichloroethane [75-34-3] *	**0.36**	J	ug/L	1	0.090	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/22/07 19:09	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/22/07 19:09	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/22/07 19:09	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/22/07 19:09	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/22/07 19:09	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/22/07 19:09	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/22/07 19:09	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/22/07 19:09	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/22/07 19:09	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/22/07 19:09	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/22/07 19:09	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/22/07 19:09	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/22/07 19:09	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/22/07 19:09	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/22/07 19:09	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/22/07 19:09	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/22/07 19:09	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/22/07 19:09	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/22/07 19:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/22/07 19:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/22/07 19:09	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/22/07 19:09	jkg	

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Description: W #7 (07-5058)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-05
Sampled: 10/14/07 13:10
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/22/07 19:09	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/22/07 19:09	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/22/07 19:09	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*53-138*	*7J21001*	*EPA 8260B*	*10/22/07 19:09*	*jkg*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*65-110*	*7J21001*	*EPA 8260B*	*10/22/07 19:09*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*72-114*	*7J21001*	*EPA 8260B*	*10/22/07 19:09*	*jkg*	

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Description: W #7 (07-5058)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-05
Sampled: 10/14/07 13:10
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:09	VLO	
Barium [7440-39-3] *	**25.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/23/07 14:09	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/23/07 14:09	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:09	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:09	VLO	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/23/07 13:37	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:09	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/23/07 14:09	VLO	

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Description: W #7 (07-5058)
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C713309-05
Sampled: 10/14/07 13:10
Sampled By: Chad Barnhill

Received: 10/15/07 13:20
Work Order: C713309

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Sulfate [14808-79-8] *	**2.1**	J	mg/L	1	0.03	2.0	250	EPA 300.0	10/21/07 00:47	RSA	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J21001 - EPA 5030B_MS

Blank (7J21001-BLK1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J21001 - EPA 5030B_MS

Blank (7J21001-BLK1) Continued Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*53-138*			

LCS (7J21001-BS1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 12:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		82	43-131			
Benzene	19		1.0	ug/L	20.0		96	73-127			
Trichloroethene	21		1.0	ug/L	20.0		104	76-128			
Toluene	18		1.0	ug/L	20.0		91	71-112			
Chlorobenzene	18		1.0	ug/L	20.0		89	75-114			
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*75*	*65-110*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*72*	*53-138*			

Matrix Spike (7J21001-MS1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 13:17

Source: C715087-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0	0.14 U	75	43-131			
Benzene	18		1.0	ug/L	20.0	0.12 U	92	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	101	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	88	71-112			
Chlorobenzene	17		1.0	ug/L	20.0	0.16 U	87	75-114			
Surrogate: Dibromofluoromethane	*37*			*ug/L*	*50.0*		*73*	*65-110*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*37*			*ug/L*	*50.0*		*74*	*53-138*			

Matrix Spike Dup (7J21001-MSD1) Prepared: 10/21/2007 14:27 Analyzed: 10/22/2007 13:46

Source: C715087-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.14 U	84	43-131	12	16	
Benzene	19		1.0	ug/L	20.0	0.12 U	95	73-127	4	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128	0.6	17	
Toluene	18		1.0	ug/L	20.0	0.15 U	90	71-112	2	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	88	75-114	1	17	
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*65-110*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*35*			*ug/L*	*50.0*		*71*	*53-138*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J19011 - EPA 3005A

Blank (7J19011-BLK1) Continued Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.1**	**J**	10.0	ug/L							
Barium	**0.30**	**J**	10.0	ug/L							QB-01
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							

LCS (7J19011-BS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	498		10.0	ug/L	500		100	78-119			
Lead	496		10.0	ug/L	500		99	72-121			
Selenium	528		10.0	ug/L	500		106	82-127			
Silver	45.6		10.0	ug/L	50.0		91	80-128			

Matrix Spike (7J19011-MS1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:13

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500	2.0 U	102	64-126			
Barium	570	B	10.0	ug/L	500	47.3	105	74-119			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	494		10.0	ug/L	500	2.0 U	99	73-120			
Lead	499		10.0	ug/L	500	3.1	99	68-126			
Selenium	534		10.0	ug/L	500	2.0 U	107	65-129			
Silver	46.2		10.0	ug/L	50.0	2.0 U	92	69-121			

Matrix Spike Dup (7J19011-MSD1) Prepared: 10/19/2007 09:38 Analyzed: 10/23/2007 13:20

Source: C714860-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.0 U	102	64-126	0.5	12	
Barium	575	B	10.0	ug/L	500	47.3	106	74-119	0.8	11	
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	0.08	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	0.3	10	
Lead	500		10.0	ug/L	500	3.1	99	68-126	0.2	19	
Selenium	535		10.0	ug/L	500	2.0 U	107	65-129	0.2	10	
Silver	46.0		10.0	ug/L	50.0	2.0 U	92	69-121	0.4	12	

Batch 7J22005 - EPA 7470A

Blank (7J22005-BLK1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J22005 - EPA 7470A

Blank (7J22005-BLK1) Continued Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (7J22005-BS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.62		0.20	ug/L	5.00		92	87-123			

Matrix Spike (7J22005-MS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:09

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00	0.11 U	93	63-132			

Matrix Spike Dup (7J22005-MSD1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:12

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.72		0.20	ug/L	5.00	0.11 U	94	63-132	2	10	

Post Spike (7J22005-PS1) Prepared: 10/22/2007 09:02 Analyzed: 10/23/2007 13:20

Source: C713309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.43		0.20	ug/L	5.00	0.11 U	89	85-115			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J17025 - NO PREP

Blank (7J17025-BLK1) Prepared: 10/19/2007 16:00 Analyzed: 10/20/2007 17:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	0.03	U	2.0	mg/L							

LCS (7J17025-BS1) Prepared: 10/19/2007 16:00 Analyzed: 10/20/2007 17:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	250		2.0	mg/L	250		100	90-115			

Matrix Spike (7J17025-MS1) Prepared: 10/19/2007 16:00 Analyzed: 10/20/2007 17:43

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	260		2.0	mg/L	255		100	90-115			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 7J17025 - NO PREP

Matrix Spike Dup (7J17025-MSD1) Prepared: 10/19/2007 16:00 Analyzed: 10/20/2007 18:01

Source: A705977-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate	260		2.0	mg/L	255		102	90-115	1	10	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which is allowable under NELAC guidelines.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6545
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
1015 Passport Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-9846

Page ___ of ___

Client Name: Progress Energy Carolinas (PR015)	Project Number: Permit #92-10 07-5054-5058
Address: 5413 Shearon Harris Road	Project Name/Desc: Harris Nuclear Plant Landfill
City/ST/Zip: New Hill, NC 27562	PO # / Billing Info:
Tel: (919) 362-2444 Fax: (919) 362-2307	Reporting Contact: Robert T. Wilson
Sampler(s) Name, Affiliation (Print): CHAD BARNHILL / MARK STRINGER	Billing Contact: Robert T. Wilson
Sampler(s) Signature: C. Barnhill / M. Stringer	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Cd,Cr,Hg,Pb,Se; Sulfate 375.4

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. ___ Standard ___ Expedited Due ___/___/___

Lab Workorder: C713309

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sulfate 375.4							Sample Comments
	W #1	10/14/07	1215	G	Water	5	X	X	X							pH = 7.41 K_{TOT} = 0.831
	W #2		1150		Water	5	X	X	X							pH = 6.25 K_{TOT} = 0.166
	W #3		1130		Water	5	X	X	X							pH = 7.58 K_{TOT} = 0.931
	W #6		1250		Water	5	X	X	X							pH = 7.62 K_{TOT} = 0.311
	W #7		1310		Water	5	X	X	X							pH = 8.28 K_{TOT} = 0.404
																K_{TOT} in mS
						25	<-- Total # of Containers									

Sample Kit Prepared By: CATY	Date/Time	Relinquished By: M. Stringer	Date/Time: 10-14-07/1600	Received By: HEEL LAB	Date/Time: 10-14-07/1600
Comments:		Relinquished By: Janice J. Kime DRA	Date/Time: 10-15-07/0813	Received By: [illegible]	Date/Time: 10/15/07 1320
		Relinquished By:	Date/Time:	Received By:	Date/Time:

Coolers & Temps on Receipt: 1.7°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

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