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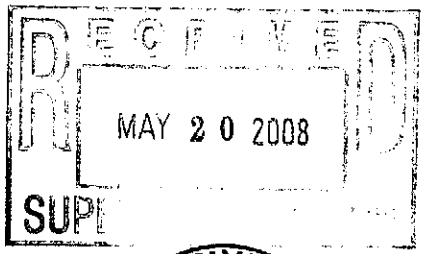
DCH	7/17/08	.5226

Progress Energy

MAY 19 2008

SERIAL: HNP-08-057

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 first semi-annual sampling of the groundwater monitoring wells for 2008.

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

Sincerely,

Kelvin Henderson
Plant General Manager
Harris Nuclear Plant

KH/mgw

Enclosure

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

Enclosure

Laboratory and Field Results

(33 pages total)

HNP Landfill 92-10
Ground Water Field Results

Well Number	Date	Time	pH	Conductivity (μ)
1	04/25/08	10:25	7.46	860
2	04/25/08	09:55	6.64	365
3	04/25/08	09:35	7.63	459
6	04/25/08	11:25	7.80	388
7	04/25/08	10:55	8.32	482

Sampled by: M. Stringer

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

www.encolabs.com

Friday, May 9, 2008

Progress Energy Carolinas (PR015)
Attn: Robert T. Wilson
5413 Shearon Harris Road
New Hill, NC 27562

Received
MAY 09 2008
HNP E&C

RE: Laboratory Results for
Project Number: Permit #92-10, Project Name/Desc: Harris Nuclear Plant Landfill
ENCO Workorder: C804043

Dear Robert T. Wilson,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 25, 2008.

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,

Chuck Smith For Stephanie Franz
Project Manager

Enclosure(s)

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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	05/23/08	04/30/08 13:59	5/1/2008 18:06
EPA 300.0	05/23/08	05/06/08 15:25	5/7/2008 13:21
EPA 6010B	10/22/08	04/30/08 07:30	5/2/2008 16:00
EPA 7470A	05/23/08	04/30/08 07:15	5/1/2008 14:42
EPA 8260B	05/09/08	05/01/08 08:52	5/2/2008 14:59

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	05/23/08	04/29/08 08:55	4/30/2008 10:35
EPA 300.0	05/23/08	04/30/08 13:59	5/1/2008 18:36
EPA 6010B	10/22/08	04/30/08 07:30	5/2/2008 14:54
EPA 7470A	05/23/08	04/30/08 07:15	5/1/2008 14:44
EPA 8260B	05/09/08	05/01/08 08:52	5/2/2008 15:28

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	05/23/08	04/30/08 13:59	5/1/2008 20:05
EPA 300.0	05/23/08	05/06/08 15:25	5/7/2008 13:51
EPA 6010B	10/22/08	04/30/08 07:30	5/2/2008 16:07
EPA 7470A	05/23/08	04/30/08 07:15	5/1/2008 14:48
EPA 8260B	05/09/08	05/01/08 08:52	5/2/2008 15:58

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	05/23/08	04/30/08 13:59	5/1/2008 20:35
EPA 300.0	05/23/08	05/06/08 15:25	5/7/2008 14:21
EPA 6010B	10/22/08	04/30/08 07:30	5/2/2008 16:14
EPA 7470A	05/23/08	04/30/08 07:15	5/1/2008 14:51
EPA 8260B	05/09/08	05/01/08 08:52	5/2/2008 16:28

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	05/23/08	04/30/08 13:59	5/1/2008 21:04
EPA 300.0	05/23/08	05/06/08 15:25	5/7/2008 14:50
EPA 6010B	10/22/08	04/30/08 07:30	5/2/2008 16:21
EPA 7470A	05/23/08	04/30/08 07:15	5/1/2008 14:54
EPA 8260B	05/09/08	05/01/08 08:52	5/2/2008 16:58

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	87	D	5	1.6	5.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	5.6	D	5	1.0	5.0	5	ug/L	EPA 8260B	
Barium	128	B	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	58		1	0.25	5.0	NE	mg/L	EPA 300.0	
Chloroethane	4.2	JD	5	1.5	5.0	10	ug/L	EPA 8260B	
Sulfate as SO4	2.8	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Sulfate as SO4	2.8	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Trichloroethene	4.0	JD	5	1.2	5.0	1	ug/L	EPA 8260B	

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	94.5	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	64		1	0.25	5.0	NE	mg/L	EPA 300.0	
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Sulfate as SO4	5.8	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Sulfate as SO4	5.8	J	1	0.25	5.0	250	mg/L	EPA 300.0	

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	7.1	J	1	0.62	5.0	100	ug/L	EPA 8260B	
Arsenic	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	176	B	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	25		1	0.25	5.0	NE	mg/L	EPA 300.0	
Selenium	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Sulfate as SO4	4.7	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Sulfate as SO4	4.7	J	1	0.25	5.0	250	mg/L	EPA 300.0	

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	5.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	339	B	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	5.1		1	0.25	5.0	NE	mg/L	EPA 300.0	
Silver	4.9	JB	1	2.0	10.0	10	ug/L	EPA 6010B	
Sulfate as SO4	4.6	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Sulfate as SO4	4.6	J	1	0.25	5.0	250	mg/L	EPA 300.0	

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.60	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Barium	25.6	JB	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloride	14		1	0.25	5.0	NE	mg/L	EPA 300.0	
Sulfate as SO4	1.7	J	1	0.25	5.0	250	mg/L	EPA 300.0	
Sulfate as SO4	1.7	J	1	0.25	5.0	250	mg/L	EPA 300.0	

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ANALYTICAL RESULTS

Description: W #1
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-01
Sampled: 04/25/08 10:25
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	1.4	UD	ug/L	5	1.4	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
1,1,1-Trichloroethane [71-55-6] ^	1.4	UD	ug/L	5	1.4	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.6	UD	ug/L	5	1.6	5.0	3	EPA 8260B	05/02/08 14:59	jkg	
1,1,2-Trichloroethane [79-00-5] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,1-Dichloroethane [75-34-3] ^	**87**	D	ug/L	5	1.6	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
1,1-Dichloroethene [75-35-4] ^	**5.6**	D	ug/L	5	1.0	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
1,2,3-Trichloropropane [96-18-4] ^	2.4	UD	ug/L	5	2.4	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	2.4	UD	ug/L	5	2.4	5.0	13	EPA 8260B	05/02/08 14:59	jkg	
1,2-Dibromoethane [106-93-4] ^	1.4	UD	ug/L	5	1.4	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,2-Dichlorobenzene [95-50-1] ^	1.4	UD	ug/L	5	1.4	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
1,2-Dichloroethane [107-06-2] ^	2.3	UD	ug/L	5	2.3	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,2-Dichloropropane [78-87-5] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
1,4-Dichlorobenzene [106-46-7] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
2-Butanone [78-93-3] ^	2.2	UD	ug/L	5	2.2	25	100	EPA 8260B	05/02/08 14:59	jkg	
2-Hexanone [591-78-6] ^	3.0	UD	ug/L	5	3.0	25	50	EPA 8260B	05/02/08 14:59	jkg	
4-Methyl-2-pentanone [108-10-1] ^	2.8	UD	ug/L	5	2.8	25	100	EPA 8260B	05/02/08 14:59	jkg	
Acetone [67-64-1] ^	3.1	UD	ug/L	5	3.1	25	100	EPA 8260B	05/02/08 14:59	jkg	
Acrylonitrile [107-13-1] ^	5.0	UD	ug/L	5	5.0	25	200	EPA 8260B	05/02/08 14:59	jkg	
Benzene [71-43-2] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Bromochloromethane [74-97-5] ^	1.4	UD	ug/L	5	1.4	5.0	3	EPA 8260B	05/02/08 14:59	jkg	
Bromodichloromethane [75-27-4] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Bromoform [75-25-2] ^	1.4	UD	ug/L	5	1.4	5.0	3	EPA 8260B	05/02/08 14:59	jkg	
Bromomethane [74-83-9] ^	2.4	UD	ug/L	5	2.4	5.0	10	EPA 8260B	05/02/08 14:59	jkg	
Carbon disulfide [75-15-0] ^	2.0	UD	ug/L	5	2.0	25	100	EPA 8260B	05/02/08 14:59	jkg	
Carbon tetrachloride [56-23-5] ^	1.8	UD	ug/L	5	1.8	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Chlorobenzene [108-90-7] ^	1.4	UD	ug/L	5	1.4	5.0	3	EPA 8260B	05/02/08 14:59	jkg	
Chloroethane [75-00-3] ^	**4.2**	JD	ug/L	5	1.5	5.0	10	EPA 8260B	05/02/08 14:59	jkg	
Chloroform [67-66-3] ^	1.0	UD	ug/L	5	1.0	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
Chloromethane [74-87-3] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	1.5	UD	ug/L	5	1.5	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Dibromochloromethane [124-48-1] ^	1.4	UD	ug/L	5	1.4	5.0	3	EPA 8260B	05/02/08 14:59	jkg	
Dibromomethane [74-95-3] ^	1.0	UD	ug/L	5	1.0	5.0	10	EPA 8260B	05/02/08 14:59	jkg	
Ethylbenzene [100-41-4] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Iodomethane [74-88-4] ^	2.6	UD	ug/L	5	2.6	10	10	EPA 8260B	05/02/08 14:59	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	2.0	UD	ug/L	5	2.0	10	NE	EPA 8260B	05/02/08 14:59	jkg	
Methylene chloride [75-09-2] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
o-Xylene [95-47-6] ^	1.4	UD	ug/L	5	1.4	5.0	NE	EPA 8260B	05/02/08 14:59	jkg	
Styrene [100-42-5] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Tetrachloroethene [127-18-4] ^	1.8	UD	ug/L	5	1.8	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Toluene [108-88-3] ^	1.0	UD	ug/L	5	1.0	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	1.2	UD	ug/L	5	1.2	5.0	5	EPA 8260B	05/02/08 14:59	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	1.5	UD	ug/L	5	1.5	5.0	1	EPA 8260B	05/02/08 14:59	jkg	

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Description: W #1 | **Lab Sample ID:** C804043-01 | **Received:** 04/25/08 14:08
Matrix: Ground Water | **Sampled:** 04/25/08 10:25 | **Work Order:** C804043
Project: Harris Nuclear Plant Landfill | **Sampled By:** Mark Stringer

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] ^	2.2	UD	ug/L	5	2.2	5.0	100	EPA 8260B	05/02/08 14:59	jkg	
Trichloroethene [79-01-6] ^	**4.0**	JD	ug/L	5	1.2	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Trichlorofluoromethane [75-69-4] ^	1.4	UD	ug/L	5	1.4	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Vinyl acetate [108-05-4] ^	2.0	UD	ug/L	5	2.0	10	50	EPA 8260B	05/02/08 14:59	jkg	
Vinyl chloride [75-01-4] ^	1.5	UD	ug/L	5	1.5	5.0	1	EPA 8260B	05/02/08 14:59	jkg	
Xylenes (Total) [1330-20-7]	3.4	UD	ug/L	5	3.4	5.0	5	EPA 8260B	05/02/08 14:59	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*69-120*	*8E01006*	*EPA 8260B*	*05/02/08 14:59*	*jkg*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*61-120*	*8E01006*	*EPA 8260B*	*05/02/08 14:59*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*75-99*	*8E01006*	*EPA 8260B*	*05/02/08 14:59*	*jkg*	

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Description: W #1
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-01
Sampled: 04/25/08 10:25
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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	05/02/08 16:00	VLO	
Barium [7440-39-3] ^	**128**	B	ug/L	1	0.20	10.0	100	EPA 6010B	05/02/08 16:00	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/02/08 16:00	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:00	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:00	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/01/08 14:42	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:00	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:00	VLO	

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Description: W #1
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-01
Sampled: 04/25/08 10:25
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**58**		mg/L	1	0.25	5.0	NE	EPA 300.0	05/01/08 18:06	AJ	
Sulfate as SO4 [14808-79-8]	**2.8**	J	mg/L	1	0.25	5.0	250	EPA 300.0	05/07/08 13:21	AJ	

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
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-02
Sampled: 04/25/08 09:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/02/08 15:28	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/08 15:28	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/02/08 15:28	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/02/08 15:28	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/02/08 15:28	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/02/08 15:28	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/02/08 15:28	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 15:28	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/02/08 15:28	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/02/08 15:28	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/02/08 15:28	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 15:28	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/02/08 15:28	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/08 15:28	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/02/08 15:28	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/02/08 15:28	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.40	U	ug/L	1	0.40	2.0	NE	EPA 8260B	05/02/08 15:28	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	05/02/08 15:28	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/02/08 15:28	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/02/08 15:28	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/02/08 15:28	jkg	

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Description: W #2
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-02
Sampled: 04/25/08 09:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/02/08 15:28	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 15:28	jkg	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/02/08 15:28	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*69-120*	*8E01006*	*EPA 8260B*	*05/02/08 15:28*	*jkg*	
Dibromofluoromethane	*55*	*1*	*50.0*	*111 %*	*61-120*	*8E01006*	*EPA 8260B*	*05/02/08 15:28*	*jkg*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*75-99*	*8E01006*	*EPA 8260B*	*05/02/08 15:28*	*jkg*	

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Description: W #2
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-02
Sampled: 04/25/08 09:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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	05/02/08 14:54	VLO	
Barium [7440-39-3] ^	**94.5**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/02/08 14:54	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/02/08 14:54	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 14:54	VLO	
Lead [7439-92-1] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 14:54	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/01/08 14:44	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 14:54	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 14:54	VLO	

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Description: W #2
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-02
Sampled: 04/25/08 09:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**64**		mg/L	1	0.25	5.0	NE	EPA 300.0	05/01/08 18:36	AJ	
Sulfate as SO4 [14808-79-8]	**5.8**	J	mg/L	1	0.25	5.0	250	EPA 300.0	04/30/08 10:35	AJ	

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Description: W #3
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-03
Sampled: 04/25/08 09:35
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/02/08 15:58	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/08 15:58	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/02/08 15:58	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/02/08 15:58	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/02/08 15:58	jkg	
Acetone [67-64-1] ^	**7.1**	J	ug/L	1	0.62	5.0	100	EPA 8260B	05/02/08 15:58	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/02/08 15:58	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 15:58	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/02/08 15:58	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/02/08 15:58	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/02/08 15:58	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 15:58	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/02/08 15:58	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/08 15:58	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/02/08 15:58	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/02/08 15:58	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.40	U	ug/L	1	0.40	2.0	NE	EPA 8260B	05/02/08 15:58	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	05/02/08 15:58	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/02/08 15:58	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/02/08 15:58	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/02/08 15:58	jkg	

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Description: W #3
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-03
Sampled: 04/25/08 09:35
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/02/08 15:58	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 15:58	jkg	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/02/08 15:58	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*69-120*	*8E01006*	*EPA 8260B*	*05/02/08 15:58*	*jkg*	
Dibromofluoromethane	*58*	*1*	*50.0*	*116 %*	*61-120*	*8E01006*	*EPA 8260B*	*05/02/08 15:58*	*jkg*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*75-99*	*8E01006*	*EPA 8260B*	*05/02/08 15:58*	*jkg*	*QS-03*

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Description: W #3
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-03
Sampled: 04/25/08 09:35
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	**3.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:07	VLO	
Barium [7440-39-3] ^	**176**	B	ug/L	1	0.20	10.0	100	EPA 6010B	05/02/08 16:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/02/08 16:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:07	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:07	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/01/08 14:48	MPL	
Selenium [7782-49-2] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:07	VLO	

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Description: W #3
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-03
Sampled: 04/25/08 09:35
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**25**		mg/L	1	0.25	5.0	NE	EPA 300.0	05/01/08 20:05	AJ	
Sulfate as SO4 [14808-79-8]	**4.7**	J	mg/L	1	0.25	5.0	250	EPA 300.0	05/07/08 13:51	AJ	

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 | **Lab Sample ID:** C804043-04 | **Received:** 04/25/08 14:08
Matrix: Ground Water | **Sampled:** 04/25/08 11:25 | **Work Order:** C804043
Project: Harris Nuclear Plant Landfill | **Sampled By:** Mark Stringer

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/02/08 16:28	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/08 16:28	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/02/08 16:28	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/02/08 16:28	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/02/08 16:28	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/02/08 16:28	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/02/08 16:28	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 16:28	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/02/08 16:28	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/02/08 16:28	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/02/08 16:28	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 16:28	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/02/08 16:28	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/08 16:28	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/02/08 16:28	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/02/08 16:28	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.40	U	ug/L	1	0.40	2.0	NE	EPA 8260B	05/02/08 16:28	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	05/02/08 16:28	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/02/08 16:28	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/02/08 16:28	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/02/08 16:28	jkg	

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Description: W #6
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-04
Sampled: 04/25/08 11:25
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/02/08 16:28	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 16:28	jkg	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/02/08 16:28	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*69-120*	*8E01006*	*EPA 8260B*	*05/02/08 16:28*	*jkg*	
Dibromofluoromethane	*58*	*1*	*50.0*	*116 %*	*61-120*	*8E01006*	*EPA 8260B*	*05/02/08 16:28*	*jkg*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*75-99*	*8E01006*	*EPA 8260B*	*05/02/08 16:28*	*jkg*	*QS-03*

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Description: W #6 | **Lab Sample ID:** C804043-04 | **Received:** 04/25/08 14:08
Matrix: Ground Water | **Sampled:** 04/25/08 11:25 | **Work Order:** C804043
Project: Harris Nuclear Plant Landfill | **Sampled By:** Mark Stringer

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] ^	**5.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:14	VLO	
Barium [7440-39-3] ^	**339**	B	ug/L	1	0.20	10.0	100	EPA 6010B	05/02/08 16:14	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/02/08 16:14	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:14	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:14	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/01/08 14:51	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:14	VLO	
Silver [7440-22-4] ^	**4.9**	JB	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:14	VLO	

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Description: W #6
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-04
Sampled: 04/25/08 11:25
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**5.1**		mg/L	1	0.25	5.0	NE	EPA 300.0	05/01/08 20:35	AJ	
Sulfate as SO4 [14808-79-8]	**4.6**	J	mg/L	1	0.25	5.0	250	EPA 300.0	05/07/08 14:21	AJ	

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 | **Lab Sample ID:** C804043-05 | **Received:** 04/25/08 14:08
Matrix: Ground Water | **Sampled:** 04/25/08 10:55 | **Work Order:** C804043
Project: Harris Nuclear Plant Landfill | **Sampled By:** Mark Stringer

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/02/08 16:58	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.60**	J	ug/L	1	0.33	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/08 16:58	jkg	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/02/08 16:58	jkg	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/02/08 16:58	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/02/08 16:58	jkg	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/02/08 16:58	jkg	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/02/08 16:58	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 16:58	jkg	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/02/08 16:58	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/02/08 16:58	jkg	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/02/08 16:58	jkg	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/02/08 16:58	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/02/08 16:58	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/08 16:58	jkg	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/02/08 16:58	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/02/08 16:58	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.40	U	ug/L	1	0.40	2.0	NE	EPA 8260B	05/02/08 16:58	jkg	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	05/02/08 16:58	jkg	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/02/08 16:58	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/02/08 16:58	jkg	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/02/08 16:58	jkg	

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Description: W #7
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-05
Sampled: 04/25/08 10:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/02/08 16:58	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/02/08 16:58	jkg	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/02/08 16:58	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*69-120*	*8E01006*	*EPA 8260B*	*05/02/08 16:58*	*jkg*	
Dibromofluoromethane	*58*	*1*	*50.0*	*115 %*	*61-120*	*8E01006*	*EPA 8260B*	*05/02/08 16:58*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*75-99*	*8E01006*	*EPA 8260B*	*05/02/08 16:58*	*jkg*	

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Description: W #7
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-05
Sampled: 04/25/08 10:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

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	05/02/08 16:21	VLO	
Barium [7440-39-3] ^	**25.6**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/02/08 16:21	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/02/08 16:21	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:21	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:21	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/01/08 14:54	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:21	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/02/08 16:21	VLO	

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Description: W #7
Matrix: Ground Water
Project: Harris Nuclear Plant Landfill

Lab Sample ID: C804043-05
Sampled: 04/25/08 10:55
Sampled By: Mark Stringer

Received: 04/25/08 14:08
Work Order: C804043

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**14**		mg/L	1	0.25	5.0	NE	EPA 300.0	05/01/08 21:04	AJ	
Sulfate as SO4 [14808-79-8]	**1.7**	J	mg/L	1	0.25	5.0	250	EPA 300.0	05/07/08 14:50	AJ	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8E01006 - EPA 5030B_MS

Blank (8E01006-BLK1) Prepared: 05/01/2008 08:52 Analyzed: 05/02/2008 11:01

Chloromethane	0.23	U	1.0	ug/L				
Vinyl chloride	0.30	U	1.0	ug/L				
Bromomethane	0.49	U	1.0	ug/L				
Chloroethane	0.30	U	1.0	ug/L				
Trichlorofluoromethane	0.28	U	1.0	ug/L				
1,1-Dichloroethene	0.20	U	1.0	ug/L				
Acetone	0.62	U	5.0	ug/L				
Iodomethane	0.52	U	2.0	ug/L				
Carbon disulfide	0.40	U	5.0	ug/L				
Methylene chloride	0.24	U	1.0	ug/L				
Acrylonitrile	1.0	U	5.0	ug/L				
trans-1,2-Dichloroethene	0.25	U	1.0	ug/L				
1,1-Dichloroethane	0.33	U	1.0	ug/L				
Vinyl acetate	0.40	U	2.0	ug/L				
2-Butanone	0.44	U	5.0	ug/L				
cis-1,2-Dichloroethene	0.30	U	1.0	ug/L				
Bromochloromethane	0.27	U	1.0	ug/L				
Chloroform	0.20	U	1.0	ug/L				
1,1,1-Trichloroethane	0.27	U	1.0	ug/L				
Carbon tetrachloride	0.35	U	1.0	ug/L				
1,2-Dichloroethane	0.46	U	1.0	ug/L				
Benzene	0.20	U	1.0	ug/L				
Trichloroethene	0.25	U	1.0	ug/L				
1,2-Dichloropropane	0.20	U	1.0	ug/L				
Dibromomethane	0.21	U	1.0	ug/L				
Bromodichloromethane	0.20	U	1.0	ug/L				
cis-1,3-Dichloropropene	0.24	U	1.0	ug/L				
4-Methyl-2-pentanone	0.56	U	5.0	ug/L				
Toluene	0.20	U	1.0	ug/L				
trans-1,3-Dichloropropene	0.30	U	1.0	ug/L				
1,1,2-Trichloroethane	0.20	U	1.0	ug/L				
Tetrachloroethene	0.36	U	1.0	ug/L				
2-Hexanone	0.60	U	5.0	ug/L				
Dibromochloromethane	0.28	U	1.0	ug/L				
1,2-Dibromoethane	0.27	U	1.0	ug/L				
Chlorobenzene	0.27	U	1.0	ug/L				
1,1,1,2-Tetrachloroethane	0.29	U	1.0	ug/L				
Ethylbenzene	0.20	U	1.0	ug/L				
Styrene	0.20	U	1.0	ug/L				
Bromoform	0.29	U	1.0	ug/L				
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L				
1,2,3-Trichloropropane	0.47	U	1.0	ug/L				
trans-1,4-Dichloro-2-butene	0.44	U	1.0	ug/L				
1,4-Dichlorobenzene	0.20	U	1.0	ug/L				
1,2-Dichlorobenzene	0.27	U	1.0	ug/L				
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L				
Xylenes (Total)	0.67	U	1.0	ug/L				
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*61-120*

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8E01006 - EPA 5030B_MS

Blank (8E01006-BLK1) Continued Prepared: 05/01/2008 08:52 Analyzed: 05/02/2008 11:01

Surrogate: Toluene-d8	*48*		*ug/L*	*50.0*		*97*	*75-99*		
Surrogate: 4-Bromofluorobenzene	*47*		*ug/L*	*50.0*		*95*	*69-120*		

LCS (8E01006-BS1) Prepared: 05/01/2008 08:52 Analyzed: 05/02/2008 12:00

1,1-Dichloroethene	20	1.0	ug/L	20.0		100	71-121		
Benzene	19	1.0	ug/L	20.0		96	77-128		
Trichloroethene	18	1.0	ug/L	20.0		92	79-120		
Toluene	20	1.0	ug/L	20.0		101	77-120		
Chlorobenzene	20	1.0	ug/L	20.0		102	78-120		
Surrogate: Dibromofluoromethane	*52*		*ug/L*	*50.0*		*105*	*61-120*		
Surrogate: Toluene-d8	*50*		*ug/L*	*50.0*		*100*	*75-99*		*QS-03*
Surrogate: 4-Bromofluorobenzene	*55*		*ug/L*	*50.0*		*110*	*69-120*		

Matrix Spike (8E01006-MS1) Prepared: 05/01/2008 08:52 Analyzed: 05/02/2008 12:30

Source: C804378-14

1,1-Dichloroethene	20	1.0	ug/L	20.0	0.20 U	98	71-121		
Benzene	19	1.0	ug/L	20.0	0.20 U	96	77-128		
Trichloroethene	18	1.0	ug/L	20.0	0.25 U	92	79-120		
Toluene	19	1.0	ug/L	20.0	0.20 U	95	77-120		
Chlorobenzene	19	1.0	ug/L	20.0	0.27 U	97	78-120		
Surrogate: Dibromofluoromethane	*50*		*ug/L*	*50.0*		*100*	*61-120*		
Surrogate: Toluene-d8	*48*		*ug/L*	*50.0*		*96*	*75-99*		
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.0*		*99*	*69-120*		

Matrix Spike Dup (8E01006-MSD1) Prepared: 05/01/2008 08:52 Analyzed: 05/02/2008 13:00

Source: C804378-14

1,1-Dichloroethene	17	1.0	ug/L	20.0	0.20 U	86	71-121	13	27
Benzene	18	1.0	ug/L	20.0	0.20 U	89	77-128	8	27
Trichloroethene	17	1.0	ug/L	20.0	0.25 U	83	79-120	11	27
Toluene	18	1.0	ug/L	20.0	0.20 U	90	77-120	6	23
Chlorobenzene	18	1.0	ug/L	20.0	0.27 U	91	78-120	7	25
Surrogate: Dibromofluoromethane	*51*		*ug/L*	*50.0*		*103*	*61-120*		
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*75-99*		
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.0*		*103*	*69-120*		

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D30002 - EPA 7470A

Blank (8D30002-BLK1) Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:20

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D30002 - EPA 7470A

Blank (8D30002-BLK1) Continued Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:20

Mercury	0.11	U	0.20	ug/L

LCS (8D30002-BS1) Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:24

Mercury	4.39	0.20	ug/L	5.00	88	87-123

Matrix Spike (8D30002-MS1) Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:30

Source: C803404-01

Mercury	4.24	0.20	ug/L	5.00	0.11 U	85	63-132

Matrix Spike Dup (8D30002-MSD1) Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:34

Source: C803404-01

Mercury	4.31	0.20	ug/L	5.00	0.11 U	86	63-132	2	10

Post Spike (8D30002-PS1) Prepared: 04/30/2008 07:15 Analyzed: 05/01/2008 13:37

Source: C803404-01

Mercury	4.33	0.20	ug/L	5.00	-0.04	87	0-200

Batch 8D30003 - EPA 3005A

Blank (8D30003-BLK1) Prepared: 04/30/2008 07:30 Analyzed: 05/02/2008 14:38

Arsenic	2.0	U	10.0	ug/L
Barium	**0.20**	**J**	10.0	ug/L
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	**2.1**	**J**	10.0	ug/L

LCS (8D30003-BS1) Prepared: 04/30/2008 07:30 Analyzed: 05/02/2008 14:45

Arsenic	487		10.0	ug/L	500	97	82-117
Barium	494	B	10.0	ug/L	500	99	72-125
Cadmium	252		1.00	ug/L	250	101	72-120
Chromium	473		10.0	ug/L	500	95	78-119
Lead	478		10.0	ug/L	500	96	72-121
Selenium	503		10.0	ug/L	500	101	82-127

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8D30003 - EPA 3005A

LCS (8D30003-BS1) Continued Prepared: 04/30/2008 07:30 Analyzed: 05/02/2008 14:45

Silver	47.5	B	10.0	ug/L	50.0		95	80-128	

Matrix Spike (8D30003-MS1) Prepared: 04/30/2008 07:30 Analyzed: 05/02/2008 15:01

Source: C804043-02

Arsenic	522		10.0	ug/L	500	2.0 U	104	64-126	
Barium	627	B	10.0	ug/L	500	94.5	106	74-119	
Cadmium	269		1.00	ug/L	250	0.50 U	108	68-121	
Chromium	507		10.0	ug/L	500	2.0 U	101	73-120	
Lead	507		10.0	ug/L	500	2.3	101	68-126	
Selenium	538		10.0	ug/L	500	2.0 U	108	65-129	
Silver	50.2	B	10.0	ug/L	50.0	2.0 U	100	69-121	

Matrix Spike Dup (8D30003-MSD1) Prepared: 04/30/2008 07:30 Analyzed: 05/02/2008 15:08

Source: C804043-02

Arsenic	542		10.0	ug/L	500	2.0 U	108	64-126	4	12
Barium	646	B	10.0	ug/L	500	94.5	110	74-119	3	11
Cadmium	278		1.00	ug/L	250	0.50 U	111	68-121	3	12
Chromium	523		10.0	ug/L	500	2.0 U	105	73-120	3	10
Lead	521		10.0	ug/L	500	2.3	104	68-126	3	19
Selenium	555		10.0	ug/L	500	2.0 U	111	65-129	3	10
Silver	50.8	B	10.0	ug/L	50.0	2.0 U	102	69-121	1	12

Classical Chemistry Parameters - Quality Control

Batch 8D29006 - NO PREP

Blank (8D29006-BLK1) Prepared: 04/29/2008 08:55 Analyzed: 04/29/2008 23:02

Sulfate as SO4	0.25	U	5.0	mg/L					

LCS (8D29006-BS1) Prepared: 04/29/2008 08:55 Analyzed: 04/29/2008 23:37

Sulfate as SO4	47		5.0	mg/L	50.0		93	90-110	

Matrix Spike (8D29006-MS1) Prepared: 04/29/2008 08:55 Analyzed: 04/30/2008 00:46

Source: C804235-02

Sulfate as SO4	51		5.0	mg/L	50.0	3.8	95	90-110	

Matrix Spike Dup (8D29006-MSD1) Prepared: 04/29/2008 08:55 Analyzed: 04/30/2008 01:21

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8D29006 - NO PREP

Matrix Spike Dup (8D29006-MSD1) Continued Prepared: 04/29/2008 08:55 Analyzed: 04/30/2008 01:21

Source: C804235-02

Sulfate as SO4	52		5.0	mg/L	50.0	3.8	96	90-110	1	10

Batch 8D30027 - NO PREP

Blank (8D30027-BLK1) Prepared: 04/30/2008 13:59 Analyzed: 05/01/2008 01:35

Chloride	0.25	U	5.0	mg/L						

LCS (8D30027-BS1) Prepared: 04/30/2008 13:59 Analyzed: 05/01/2008 05:33

Chloride	55		5.0	mg/L	50.0		109	90-110		

Matrix Spike (8D30027-MS1) Prepared: 04/30/2008 13:59 Analyzed: 05/01/2008 06:32

Source: C803622-05

Chloride	80		5.0	mg/L	50.0	24	111	90-110		QM-07

Matrix Spike Dup (8D30027-MSD1) Prepared: 04/30/2008 13:59 Analyzed: 05/01/2008 08:43

Source: C803622-05

Chloride	80		5.0	mg/L	50.0	24	112	90-110	0.7	10 QM-07

Batch 8E06026 - NO PREP

Blank (8E06026-BLK1) Prepared: 05/06/2008 15:25 Analyzed: 05/06/2008 17:35

Sulfate as SO4	0.25	U	5.0	mg/L						

LCS (8E06026-BS1) Prepared: 05/06/2008 15:25 Analyzed: 05/06/2008 18:04

Sulfate as SO4	47		5.0	mg/L	50.0		93	90-110		

LCS (8E06026-BS2) Prepared: 05/06/2008 15:25 Analyzed: 05/07/2008 22:50

Sulfate as SO4	46		5.0	mg/L	50.0		92	90-110		

Matrix Spike (8E06026-MS1) Prepared: 05/06/2008 15:25 Analyzed: 05/08/2008 04:17

Source: C803870-01

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8E06026 - NO PREP

Matrix Spike (8E06026-MS1) Continued Prepared: 05/06/2008 15:25 Analyzed: 05/08/2008 04:17

Source: C803870-01

Sulfate as SO4	280	D	20	mg/L	200	100	89	90-110			QM-13

Matrix Spike Dup (8E06026-MSD1) Prepared: 05/06/2008 15:25 Analyzed: 05/08/2008 04:46

Source: C803870-01

Sulfate as SO4	280	D	20	mg/L	200	100	89	90-110	0.06	10	QM-13

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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-13	Suspected matrix effects
QS-03	Surrogate recovery outside acceptance limits

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

1600 Sunset Park Dr. | 4312 Executive Park Court, Suite 213 | 152 A Meadowlands Industrial Ct.
Orlando, FL 32751 | Greensboro, NC 27407 | Cary, NC 27511
(407) 826-5314 Fax (407) 850-6945 | (336) 370-0997 Fax (336) 370-0210 | (919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name:		Project Number:	
Address:		Project Name/Site:	
City/ST/Zip:		P.O. # (Billing Info):	
Tel:	Fax:	Reporting Contact:	
Sampler(s) Name, Affiliation (Print): MARK STRINGER		Billing Contact:	
Sampler(s) Signature:		Facility # (if required):	

Requested Analyses

Requested Turnaround Times

Note: Rush requests subject to acceptance by the lab.

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C804043

Preservation (Ice Code) (Confirm if necessary)

Item #	Sample ID and Identification	Collection Date	Collection Time	Collect Code	Matrix (see codes)	Total # of Containers	Sample Comments
	pH 7.96 Rd2 560	4-25-08	1025	GGG	GW		
	6.64 365		0955		GW		
	7.63 459		0935		GW		
	7.80 395		1125		GW		
	6.32 482	↓	1055	↓	GW		

← Total # of Containers

Sample(s) Prepared By: DSW	Date/Time: 4/16/08	Relinquished By: Mark Stringer	Date/Time: 4-25-08 1215	Received By: Dan Hicks	Date/Time: 4/25/08 1215
Comments: *Set to rec'd status* DSW 4/15		Relinquished By: Dan Hicks	Date/Time: 4-25-08 1215	Received By: Samantha Hagan	Date/Time: 4/25/08 17:02
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler ID & Temp on Receipt:		Condition Upon Receipt: ___ Acceptable	Unacceptable

Matrix: GW Groundwater, SO Soil, SE Sediment, SW Surface Water, WW Wastewater, A Air, O Other (please specify)

Preservation: I Ice, H HCl, N HNO3, S H2SO4, ND NaOH, O Other (please specify)

Note: Any changes made to ENCO COC after sample submittal must be approved by ENCO. Client will be responsible for additional charges for changes to sample bottles after they have been sent out.

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