

Staff copy

290592

JRM
9/20/06

Dept. of Environmental
Protection

SEP 15 2006

Southwest District

**CITRUS COUNTY CENTRAL LANDFILL
GROUNDWATER
INVESTIGATION REPORT**

**RESPONSE TO FDEP REQUEST
FOR ADDITIONAL INFORMATION**

Prepared for

CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS

110 North Apopka Avenue
Inverness, Florida 34450

Prepared by

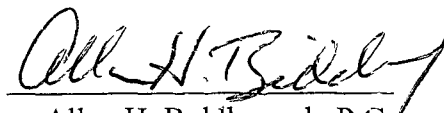
JONES EDMUNDS & ASSOCIATES, INC.

730 NE Waldo Road
Gainesville, Florida 32641

P E Certificate of Authorization #1841

P G Certificate of Authorization #133

September 2006



Allan H Biddlecomb, P G

Florida P G No 0001258

9/15/06

JULY 2006 LABORATORY REPORT

ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS

CITRUS COUNTY CENTRAL LANDFILL

SECOND SEMI-ANNUAL 2006

PARAMETER	pH (FIELD)	ANTIMONY	IRON	IRON DISSOLVED	BENZENE	METHYLENE CHLORIDE	VINYL CHLORIDE
STANDARD	6.5-8.5 U **	6 µg/L*	300 µg/L*	300 µg/L**	1 µg/L*	5 µg/L*	1 µg/L*

Other Assessment

MW-10	07/18/2006	4.65	-	1390	NM	2	6	5
MW-10 R	08/31/2006	4.70	11	1020	1010	1 @	5 @	2
MW-11	07/18/2006	-	-	-	NM	-	-	-
MW-12	07/18/2006	-	-	6710	NM	-	-	-
MW-13	07/18/2006	5.31	-	583	NM	-	-	-
MW-14	07/17/2006	-	-	-	NM	-	-	-
MW-15	07/17/2006	4.78	-	1350	NM	-	-	1 @
MW-17	07/17/2006	4.96	-	6080	NM	-	5 V @	-

LEGEND

- * = Primary Drinking Water Standard
- ** = Secondary Drinking Water Standard
- *** = Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)
- @ = Analysis Result is at Groundwater Standard
- = Analysis Result is not at or outside Groundwater Standard
- NS = Not Sampled
- NM = Not Measured

Note

This table displays analysis results which were reported at or outside Groundwater Standards

Analysis results notated with @ indicate that the analysis result was reported at the Groundwater Standard

Analysis results which were reported above the laboratory detection limit (reporting limit) but not at or above the Groundwater Standard are not displayed in this table

Note: This report contains additional filters that are detailed on the final page of this report.

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
CITRUS COUNTY CENTRAL LANDFILL
SECOND SEMI-ANNUAL 2006

Note: This report contains additional filters that are detailed on the final page of this report.

PARAMETER	CONDUC- TIVITY (FIELD)	GROUND WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL	TEMPER- ATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	ANTIMONY	ARSENIC	BARIUM
STANDARD	(1)	(1)	6.5-8.5 S U **	(1)	(1)	(1)	2.8 mg/L **	250 mg/L **	10 mg/L *	500 mg/L **	6 µg/L *	10 µg/L	2000 µg/L *
UNITS	umhos/cm	NGVD FT	S U	mV	deg C	NTU	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
Other, Assessment													
MW-10	62	-	4.65	169.4	29.26	20.7	<0.003	6.64	0.272	114	<2	<2	<12
MW-10 R	60	107	4.70	176.3	26.78	24.1	<0.003	5.86 V	0.183	30	11	<2	13
MW-11	361	-	7.10	18.30	26.00	0.56	<0.003	5.10	0.336	246	<2	<2	13
MW-12	600	-	6.67	-144.6	26.28	4.87	0.3	5.14	0.317	370	<2	3.1	14
MW-13	93	-	5.31	146.8	26.72	2.80	<0.003	5.72	0.266	118	<2	6.1	<12
MW-14	519	-	6.79	10.00	25.51	1.69	<0.003	4.59	0.321	336	<2	<2	<12
MW-15	48	-	4.78	247.9	25.30	4.37	<0.003	4.47	0.232	82	<2	<2	<12
MW-17	68	-	4.96	164.0	26.04	4.23	<0.003	4.33	0.248	40	<2	<2	<12

CITRUS COUNTY CENTRAL LANDFILL

SECOND SEMI-ANNUAL 2006

Note: This report contains additional filters that are detailed on the final page of this report.

PARAMETER	COBALT	COBALT DISSOLVED	IRON	IRON DISSOLVED	NICKEL	NICKEL DISSOLVED	SELENIUM	SELENIUM DISSOLVED	SILVER	SODIUM	SODIUM DISSOLVED	1,1-DICHLORO-ETHANE	1,4-DICHLORO-BENZENE	BENZENE
STANDARD	140µg/L***	140µg/L***	300 µg/L**	300 µg/L**	100 µg/L*	100 µg/L*	50 µg/L*	50 µg/L*	100 µg/L**	160 mg/L*	160 mg/L*	70 µg/L***	75 µg/L*	1 µg/L*
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L
Other, Assessment														
MW-10	07/18/06	<0.4	1390	-	<3	-	<2	-	<0.3	6.13	-	1	5	2
MW-10 R	08/31/06	14	1020	1010	5.1	7.1	4.1	3.1	<0.3	5	5.56	1	4	1
MW-11	07/18/06	<0.4	<54	-	<3	-	<2	-	<0.3	2.74	-	<0.3	<0.2	<0.1
MW-12	07/18/06	<0.4	6710	-	<3	-	<2	-	<0.3	2.48	-	<0.3	<0.2	<0.1
MW-13	07/18/06	<0.4	583	-	<3	-	<2	-	<0.3	2.95	-	0.71	3	<0.1
MW-14	07/17/06	<0.4	137	-	<3	-	<2	-	0.4 IV	2.15	-	<0.3	<0.2	<0.1
MW-15	07/17/06	<0.4	1350	-	<3	-	8.1	-	0.4 IV	1.46	-	<0.3	<0.2	0.61
MW-17	07/17/06	<0.4	6080	-	<3	-	<2	-	0.4 IV	3.68	-	<0.3	1	<0.1

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
CITRUS COUNTY CENTRAL LANDFILL
SECOND SEMI-ANNUAL 2006

Note: This report contains additional filters that are detailed on the final page of this report.

PARAMETER	CHLORO- BENZENE	CIS-1,2- DICHLORO- ETHYLENE	M&P- XYLENES	METHYLENE CHLORIDE	O- XYLENES	TRICHLORO- ETHYLENE	VINYL CHLORIDE	TOTAL VOCs	2- METHYL- NAPHTH- ALENE	NAPHTHA- LENE
STANDARD	100 µg/L*	70 µg/L*	20 µg/L**	5 µg/L*	20 µg/L**	3 µg/L*	1 µg/L*	(1)	28 µg/L***	14 µg/L***
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Other, Assessment										
MW-10 07/18/06	<0.1	3	6	6	4	<0.3	5	32	0.061	0.091
MW-10 R 08/31/06	0.51	4	5	5	4	0.51	2	27	-	-
MW-11 07/18/06	<0.1	<0.3	<0.3	<1	<0.6	<0.3	<0.5	-	<0.05	<0.09
MW-12 07/18/06	<0.1	<0.3	<0.3	<1	<0.6	<0.3	<0.5	-	<0.05	<0.09
MW-13 07/18/06	<0.1	2	11	<1	<0.6	<0.3	<0.5	6.7	0.051	0.31
MW-14 07/17/06	<0.1	<0.3	<0.3	<1	<0.6	<0.3	<0.5	-	<0.05	<0.09
MW-15 07/17/06	<0.1	5	0.81	<1	<0.6	2	1	9.4	<0.05	<0.09
MW-17 07/17/06	<0.1	<0.3	0.71	5 V	<0.6	<0.3	<0.5	6.7	<0.05	<0.09

LEGEND			
*	Primary Drinking Water Standard	I	= Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
**	Secondary Drinking Water Standard	J	= Estimated value, matrix interferences prevent accurate determination
***	Chapter 62-777 - Groundwater Cleanup Target Level (GCTL)	J3	= The reported value failed to meet the established quality control criteria for either precision and/or accuracy
(1)	No Standard	Q	= Estimated value, analyte analyzed after acceptable holding time
-	Not Analyzed		

JULY 2006 ANALYTICAL DATA



Monday, July 31, 2006

Jones Edmunds & Associates, Inc (JO006)

Attn Lynne McDaniel

730 N E Waldo Road Bldg A

Gainesville, FL 32641

**RE: Project Number: 03860-022-01, Project Name/Desc: Citrus Co. LF
ENCO Workorder: A603504**

Dear Lynne McDaniel,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, July 19, 2006

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

This data has been produced in accordance with NELAC standards (June, 2003) 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 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,

A handwritten signature in black ink that reads "David M. Camacho". The signature is fluid and cursive.

David Camacho

Project Manager

Enclosure(s)

LAB #		A603504-01	A603504-02	A603504-03	A603504-04	A603504-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Water	-
SAMPLE ID	Reporting Limit	06S2CC 13	06S2CC 11	06S2CC 10	06S2CC 12	TB#2	-

Volatile Organic Compounds by GCMS (Water)

1,1,1,2-Tetrachloroethane	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
1,1,1-Trichloroethane	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
1,1,2,2-Tetrachloroethane	0 2 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
1,1,2-Trichloroethane	1 ug/L	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	-
1,1-Dichloroethane	1 ug/L	0 7 [2]	<0 3 [3]	1	<0 3 [3]	<0 3 [3]	-
1,1-Dichloroethene	1 ug/L	<0 8 [3]	<0 8 [3]	<0 8 [3]	<0 8 [3]	<0 8 [3]	-
1,2,3-Trichloropropane	1 ug/L	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	-
1,2-Dichlorobenzene	1 ug/L	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	-
1,2-Dichloroethane	1 ug/L	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	-
1,2-Dichloropropane	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
1,4-Dichlorobenzene	1 ug/L	3	<0 2 [3]	5	<0 2 [3]	<0 2 [3]	-
2-Butanone	5 ug/L	<1 [3]	<1 [3]	<1 [3]	<1 [3]	<1 [3]	-
2-Hexanone	5 ug/L	<2 [3]	<2 [3]	<2 [3]	<2 [3]	<2 [3]	-
4-Methyl-2-pentanone	5 ug/L	<2 [3]	<2 [3]	<2 [3]	<2 [3]	<2 [3]	-
Acetone	5 ug/L	<3 [3]	<3 [3]	<3 [3]	<3 [3]	<3 [3]	-
Acrylonitrile	2 ug/L	<2 [3]	<2 [3]	<2 [3]	<2 [3]	<2 [3]	-
Benzene	1 ug/L	<0 1 [3]	<0 1 [3]	2	<0 1 [3]	<0 1 [3]	-
Bromochloromethane	1 ug/L	<0 9 [3]	<0 9 [3]	<0 9 [3]	<0 9 [3]	<0 9 [3]	-
Bromodichloromethane	0 4 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Bromoform	1 ug/L	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	-
Bromomethane	1 ug/L	<1 [3]	<1 [3]	<1 [3]	<1 [3]	<1 [3]	-
Carbon disulfide	5 ug/L	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	-
Carbon tetrachloride	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Chlorobenzene	1 ug/L	<0 1 [3]	<0 1 [3]	<0 1 [3]	<0 1 [3]	<0 1 [3]	-
Chloroethane	1 ug/L	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	-
Chloroform	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Chloromethane	1 ug/L	<0 6 [3]	<0 6 [3]	<0 6 [3]	<0 6 [3]	<0 6 [3]	-
cis-1,2-Dichloroethene	1 ug/L	2	<0 3 [3]	3	<0 3 [3]	<0 3 [3]	-
cis-1,3-Dichloropropene	0 2 ug/L	<0 1 [3]	<0 1 [3]	<0 1 [3]	<0 1 [3]	<0 1 [3]	-
Dibromochloromethane	0 2 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Dibromomethane	1 ug/L	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	<0 4 [3]	-
Ethylbenzene	1 ug/L	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	-
Iodomethane	3 ug/L	<1 [3]	<1 [3]	<1 [3]	<1 [3]	<1 [3]	-
m,p-Xylenes	2 ug/L	1 [2]	<0 3 [3]	6	<0 3 [3]	<0 3 [3]	-
Methylene chloride	2 ug/L	<1 [3]	<1 [3]	6	<1 [3]	<1 [3]	-
o-Xylene	1 ug/L	<0 6 [3]	<0 6 [3]	4	<0 6 [3]	<0 6 [3]	-
Styrene	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Tetrachloroethene	1 ug/L	<0 6 [3]	<0 6 [3]	<0 6 [3]	<0 6 [3]	<0 6 [3]	-
Toluene	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
trans-1,2-Dichloroethene	1 ug/L	<0 8 [3]	<0 8 [3]	<0 8 [3]	<0 8 [3]	<0 8 [3]	-
trans-1,3-Dichloropropene	0 2 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
trans-1,4-Dichloro-2-butene	1 ug/L	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	<0 5 [3]	-
Trichloroethene	1 ug/L	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	<0 3 [3]	-
Trichlorofluoromethane	1 ug/L	<0 7 [3]	<0 7 [3]	<0 7 [3]	<0 7 [3]	<0 7 [3]	-
Vinyl acetate	1 ug/L	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	<0 2 [3]	-
Vinyl chloride	1 ug/L	<0 5 [3]	<0 5 [3]	5	<0 5 [3]	<0 5 [3]	-



www.encolabs.com

LAB #		A603504-01	A603504-02	A603504-03	A603504-04	A603504-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Water	-
SAMPLE ID	Reporting Limit	06S2CC 13	06S2CC 11	06S2CC 10	06S2CC 12	TB#2	-

Volatile Organic Compounds by GCMS (continued)

Toluene-d8	132 [surr]	104%	107%	105%	107%	109%	-
4-Bromofluorobenzene	135 [surr]	85%	84%	92%	83%	95%	-
Dibromofluoromethane	149 [surr]	111%	109%	111%	111%	105%	-

Semivolatile Organic Compounds by GCMS SIM (Water)

Benzo(a)anthracene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Benzo(b)fluoranthene	0 10 ug/L	<0 05 [3]	<0 05 [3]	<0 05 [3]	<0 05 [3]	-	-
Benzo(k)fluoranthene	0 10 ug/L	<0 06 [3]	<0 06 [3]	<0 06 [3]	<0 06 [3]	-	-
Benzo(g,h,i)perylene	0 10 ug/L	<0 07 [3]	<0 07 [3]	<0 07 [3]	<0 07 [3]	-	-
1-Methylnaphthalene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Benzo(a)pyrene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-
Dibenzo(a,h)anthracene	0 10 ug/L	<0 05 [3]	<0 05 [3]	<0 05 [3]	<0 05 [3]	-	-
Indeno(1,2,3-cd)pyrene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-
2-Methylnaphthalene	0 10 ug/L	0 05 [2]	<0 05 [3]	0 06 [2]	<0 05 [3]	-	-
p-Terphenyl	148 [surr]	77%	86%	72%	77%	-	-
Acenaphthene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Acenaphthylene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Anthracene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Chrysene	0 10 ug/L	<0 04 [3]	<0 04 [3]	<0 04 [3]	<0 04 [3]	-	-
Fluoranthene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-
Fluorene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-
Naphthalene	0 10 ug/L	0 31	<0 09 [3]	0 09 [2]	<0 09 [3]	-	-
Phenanthrene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-
Pyrene	0 10 ug/L	<0 03 [3]	<0 03 [3]	<0 03 [3]	<0 03 [3]	-	-

Semivolatile Organic Compounds by GC (Water)

1,2-Dibromoethane	0 02 ug/L	<0 01 [3]	<0 01 [3]	<0 01 [3]	<0 01 [3]	-	-
1,2-Dibromo-3-chloropropane	0 02 ug/L	<0 009 [3]	<0 009 [3]	<0 009 [3]	<0 009 [3]	-	-
1,3-Dichlorobenzene	140 [surr]	137%	114%	140%	122%	-	-

Metals by EPA 6000/7000 Series Methods (Water)

Antimony	0 2 ug/L	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	-	-
Arsenic	1 ug/L	6 [1] [2]	<2 [1] [3]	<2 [1] [3]	3 [1] [2]	-	-
Barium	1 ug/L	<12 [1] [3]	13 [1]	<12 [1] [3]	14 [1]	-	-
Beryllium	0 2 ug/L	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	-	-
Cadmium	0 2 ug/L	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	-	-
Chromium	1 ug/L	<6 [1] [3]	<6 [1] [3]	<6 [1] [3]	<6 [1] [3]	-	-
Cobalt	1 ug/L	<0 4 [1] [3]	<0 4 [1] [3]	<0 4 [1] [3]	<0 4 [1] [3]	-	-
Copper	0 3 ug/L	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	-	-
Iron	10 ug/L	583 [1]	<54 [1] [3]	1390 [1]	6710 [1]	-	-
Lead	1 ug/L	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	-	-
Mercury	0 20 ug/L	<0 11 [3]	<0 11 [3]	<0 11 [3]	<0 11 [3]	-	-
Nickel	1 ug/L	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	-	-
Selenium	1 ug/L	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	<2 [1] [3]	-	-
Silver	0 05 ug/L	<0 3 [1] [3]	<0 3 [1] [3]	<0 3 [1] [3]	<0 3 [1] [3]	-	-
Sodium	0 100 mg/L	2 95 [1]	2 74 [1]	5 95 [1]	2 48 [1]	-	-
Thallium	0 1 ug/L	<0 2 [1] [3]	<0 2 [1] [3]	<0 2 [1] [3]	<0 2 [1] [3]	-	-



www.encolabs.com

LAB #		A603504-01	A603504-02	A603504-03	A603504-04	A603504-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Water	-
SAMPLE ID	Reporting Limit	06S2CC 13	06S2CC 11	06S2CC 10	06S2CC 12	TB#2	-

Metals by EPA 6000/7000 Series Methods (continued)

Vanadium	1 ug/L	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	<3 [1] [3]	-	-
Zinc	10 ug/L	<100 [1] [3]	<100 [1] [3]	<100 [1] [3]	<100 [1] [3]	-	-

Metals (Dissolved) by EPA 6000/7000 Series Methods (Water)

Antimony	0.2 ug/L	-	-	<2 [1] [3]	-	-	-
Arsenic	1 ug/L	-	-	<2 [1] [3]	-	-	-
Barium	1 ug/L	-	-	32 [1]	-	-	-
Cadmium	0.2 ug/L	-	-	<2 [1] [3]	-	-	-
Chromium	1 ug/L	-	-	<6 [1] [3]	-	-	-
Cobalt	1 ug/L	-	-	<0.4 [1] [3]	-	-	-
Copper	0.3 ug/L	-	-	<3 [1] [3]	-	-	-
Iron	10 ug/L	-	-	1060 [1]	-	-	-
Lead	1 ug/L	-	-	<3 [1] [3]	-	-	-
Mercury	0.20 ug/L	-	-	<0.11 [3]	-	-	-
Nickel	1 ug/L	-	-	<3 [1] [3]	-	-	-
Selenium	1 ug/L	-	-	<2 [1] [3]	-	-	-
Silver	0.05 ug/L	-	-	<0.3 [1] [3]	-	-	-
Sodium	100 ug/L	-	-	6130 [1]	-	-	-
Thallium	0.1 ug/L	-	-	<0.2 [1] [3]	-	-	-
Vanadium	1 ug/L	-	-	<3 [1] [3]	-	-	-
Zinc	10 ug/L	-	-	<100 [1] [3]	-	-	-

Classical Chemistry Parameters (Water)

Ammonia as N	0.02 mg/L	<0.003 [3]	<0.003 [3]	<0.003 [3]	0.3	-	-
Chloride	1.00 mg/L	5.72	5.10	6.64	5.14	-	-
Nitrate as N	0.050 mg/L	0.266	0.336	0.272	0.317	-	-
Total Dissolved Solids	10 mg/L	118	246	114	370	-	-

Field Parameters (Water)

Specific Conductance (EC)	0 umhos/cm	93	361	62	600	-	-
Dissolved Oxygen	0.00 mg/L	1.21	1.34	0.81	0.46	-	-
pH	0.00 pH Units	5.31	7.10	4.65	6.67	-	-
Oxidation/Reduction Potential	mV	146.8	18.30	169.4	-144.6	-	-
Temperature	0.00 °C	26.72	26.00	29.26	26.28	-	-
Turbidity	0.00 NTU	2.80	0.56	20.7	4.87	-	-



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Volatile Organic Compounds by GCMS - Quality Control

Batch 6G27004 - EPA 5030B_MS

Blank (6G27004-BLK1)

Prepared 07/27/2006 11 57 Analyzed 07/27/2006 12 40

1,1,1,2-Tetrachloroethane	0.2 U	1	ug/L
1,1,1-Trichloroethane	0.2 U	1	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2	ug/L
1,1,2-Trichloroethane	0.4 U	1	ug/L
1,1-Dichloroethane	0.3 U	1	ug/L
1,1-Dichloroethene	0.8 U	1	ug/L
1,2,3-Trichloropropane	0.3 U	1	ug/L
1,2-Dichlorobenzene	0.3 U	1	ug/L
1,2-Dichloroethane	0.3 U	1	ug/L
1,2-Dichloropropane	0.2 U	1	ug/L
1,4-Dichlorobenzene	0.2 U	1	ug/L
2-Butanone	1 U	5	ug/L
2-Hexanone	2 U	5	ug/L
4-Methyl-2-pentanone	2 U	5	ug/L
Acetone	3 U	5	ug/L
Acrylonitrile	2 U	2	ug/L
Benzene	0.1 U	1	ug/L
Bromochloromethane	0.9 U	1	ug/L
Bromodichloromethane	0.2 U	0.4	ug/L
Bromoform	0.5 U	1	ug/L
Bromomethane	1 U	1	ug/L
Carbon disulfide	0.4 U	5	ug/L
Carbon tetrachloride	0.2 U	1	ug/L
Chlorobenzene	0.1 U	1	ug/L
Chloroethane	0.5 U	1	ug/L
Chloroform	0.2 U	1	ug/L
Chloromethane	0.6 U	1	ug/L
cis-1,2-Dichloroethene	0.3 U	1	ug/L
cis-1,3-Dichloropropene	0.1 U	0.2	ug/L
Dibromochloromethane	0.2 U	0.2	ug/L
Dibromomethane	0.4 U	1	ug/L
Ethylbenzene	0.3 U	1	ug/L
Iodomethane	1 U	3	ug/L
m,p-Xylenes	0.3 U	2	ug/L
Methylene chloride	1 U	2	ug/L
o-Xylene	0.6 U	1	ug/L
Styrene	0.2 U	1	ug/L
Tetrachloroethene	0.6 U	1	ug/L
Toluene	0.2 U	1	ug/L
trans-1,2-Dichloroethene	0.8 U	1	ug/L
trans-1,3-Dichloropropene	0.2 U	0.2	ug/L
trans-1,4-Dichloro-2-butene	0.5 U	1	ug/L
Trichloroethene	0.3 U	1	ug/L
Trichlorofluoromethane	0.7 U	1	ug/L
Vinyl acetate	0.2 U	1	ug/L
Vinyl chloride	0.5 U	1	ug/L



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Volatile Organic Compounds by GCMS - Quality Control

Batch 6G27004 - EPA 5030B_MS

Blank (6G27004-BLK1) Continued

Prepared 07/27/2006 11 57 Analyzed 07/27/2006 12 40

Surrogate Toluene-d8	52 6		ug/L	50 0		105	70-132			
Surrogate 4-Bromofluorobenzene	42 4		ug/L	50 0		85	60-135			
Surrogate Dibromofluoromethane	52 3		ug/L	50 0		105	52-149			

LCS (6G27004-BS1)

Prepared 07/27/2006 11 57 Analyzed 07/27/2006 12 11

1,1-Dichloroethene	24 6	1	ug/L	20 0		123	49-156		200	
Benzene	18 6	1	ug/L	20 0		93	64-132		200	
Chlorobenzene	22 2	1	ug/L	20 0		111	68-135		200	
Toluene	18 5	1	ug/L	20 0		92	58-132		200	
Trichloroethene	21 1	1	ug/L	20 0		106	66-130		200	

Surrogate Toluene-d8	51 1		ug/L	50 0		102	70-132			
Surrogate 4-Bromofluorobenzene	39 9		ug/L	50 0		80	60-135			
Surrogate Dibromofluoromethane	38 3		ug/L	50 0		77	52-149			

Matrix Spike (6G27004-MS1)

Source A603504-01

Prepared 07/27/2006 11 57 Analyzed 07/27/2006 13 09

1,1-Dichloroethene	24 7	1	ug/L	20 0	0 8 U	124	36-185		34	
Benzene	18 8	1	ug/L	20 0	0 1 U	94	65-143		25	
Chlorobenzene	23 1	1	ug/L	20 0	0 1 U	116	64-140		23	
Toluene	17 0	1	ug/L	20 0	0 2 U	85	62-144		24	
Trichloroethene	21 2	1	ug/L	20 0	0 3 U	106	51-152		28	

Surrogate Toluene-d8	53 7		ug/L	50 0		107	70-132			
Surrogate 4-Bromofluorobenzene	38 2		ug/L	50 0		76	60-135			
Surrogate Dibromofluoromethane	38 6		ug/L	50 0		77	52-149			

Matrix Spike Dup (6G27004-MSD1)

Source A603504-01

Prepared 07/27/2006 11 57 Analyzed 07/27/2006 13 38

1,1-Dichloroethene	23 8	1	ug/L	20 0	0 8 U	119	36-185	4	34	
Benzene	18 1	1	ug/L	20 0	0 1 U	90	65-143	4	25	
Chlorobenzene	23 0	1	ug/L	20 0	0 1 U	115	64-140	0 4	23	
Toluene	16 4	1	ug/L	20 0	0 2 U	82	62-144	4	24	
Trichloroethene	21 2	1	ug/L	20 0	0 3 U	106	51-152	0	28	

Surrogate Toluene-d8	53 7		ug/L	50 0		107	70-132			
Surrogate 4-Bromofluorobenzene	39 8		ug/L	50 0		80	60-135			
Surrogate Dibromofluoromethane	39 1		ug/L	50 0		78	52-149			

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 6G25005 - EPA 3510C_MS

Blank (6G25005-BLK1)

Prepared 07/25/2006 08 40 Analyzed 07/26/2006 14 02

Benzo(a)anthracene	0 04 U	0 10	ug/L							
Benzo(b)fluoranthene	0 05 U	0 10	ug/L							
Benzo(k)fluoranthene	0 06 U	0 10	ug/L							
Benzo(g,h,i)perylene	0 07 U	0 10	ug/L							
1-Methylnaphthalene	0 04 U	0 10	ug/L							
Benzo(a)pyrene	0 03 U	0 10	ug/L							
Dibenzo(a,h)anthracene	0 05 U	0 10	ug/L							
Indeno(1,2,3-cd)pyrene	0 03 U	0 10	ug/L							
2-Methylnaphthalene	0 05 U	0 10	ug/L							
Acenaphthene	0 04 U	0 10	ug/L							
Acenaphthylene	0 04 U	0 10	ug/L							
Anthracene	0 04 U	0 10	ug/L							
Chrysene	0 04 U	0 10	ug/L							



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 6G25005 - EPA 3510C_MS

Blank (6G25005-BLK1) Continued

Prepared 07/25/2006 08 40 Analyzed 07/26/2006 14 02

Fluoranthene	0 03 U	0 10	ug/L
Fluorene	0 03 U	0 10	ug/L
Naphthalene	0 09 U	0 10	ug/L
Phenanthrene	0 03 U	0 10	ug/L
Pyrene	0 03 U	0 10	ug/L

Surrogate p-Terphenyl

4 42

ug/L

5 00

88

39-148

LCS (6G25005-BS1)

Prepared 07/25/2006 08 40 Analyzed 07/26/2006 14 18

Benzo(g,h,i)perylene	1 23	0 10	ug/L	2 00	62	23-146	200
Benzo(a)pyrene	1 77	0 10	ug/L	2 00	88	57-126	200
Acenaphthene	1 98	0 10	ug/L	2 00	99	48-119	200
Naphthalene	2 03	0 10	ug/L	2 00	102	38-138	200

Surrogate p-Terphenyl

4 38

ug/L

5 00

88

39-148

Matrix Spike (6G25005-MS1)

Source A603576-01

Prepared 07/25/2006 08 40 Analyzed 07/26/2006 14 35

Benzo(g,h,i)perylene	1 18	0 10	ug/L	2 00	0 07 U	59	52-155	32
Benzo(a)pyrene	1 66	0 10	ug/L	2 00	0 03 U	83	41-157	30
Acenaphthene	1 91	0 10	ug/L	2 00	0 04 U	96	20-150	27
Naphthalene	1 96	0 10	ug/L	2 00	0 09 U	98	30-112	33

Surrogate p-Terphenyl

4 25

ug/L

5 00

85

39-148

Matrix Spike Dup (6G25005-MSD1)

Source A603576-01

Prepared 07/25/2006 08 40 Analyzed 07/26/2006 14 52

Benzo(g,h,i)perylene	1 14	0 10	ug/L	2 00	0 07 U	57	52-155	3	32
Benzo(a)pyrene	1 47	0 10	ug/L	2 00	0 03 U	74	41-157	12	30
Acenaphthene	1 83	0 10	ug/L	2 00	0 04 U	92	20-150	4	27
Naphthalene	1 84	0 10	ug/L	2 00	0 09 U	92	30-112	6	33

Surrogate p-Terphenyl

3 99

ug/L

5 00

80

39-148

Semivolatile Organic Compounds by GC - Quality Control

Batch 6G30004 - EPA 504/8011

Blank (6G30004-BLK1)

Prepared 07/30/2006 00 00 Analyzed 07/31/2006 09 26

1,2-Dibromoethane	0 01 U	0 02	ug/L
1,2-Dibromo-3-chloropropane	0 009 U	0 02	ug/L

LCS (6G30004-BS1)

Prepared 07/30/2006 00 00 Analyzed 07/31/2006 09 37

1,2-Dibromoethane	0 239	0 02	ug/L	0 250	96	60-140	200
1,2-Dibromo-3-chloropropane	0 291	0 02	ug/L	0 250	116	60-140	200

Matrix Spike (6G30004-MS1)

Source A603004-01

Prepared 07/30/2006 00 00 Analyzed 07/31/2006 09 48

1,2-Dibromoethane	0 223	0 02	ug/L	0 250	0 01 U	89	65-135	18
1,2-Dibromo-3-chloropropane	0 317	0 02	ug/L	0 250	0 009 U	127	65-135	20

Matrix Spike Dup (6G30004-MSD1)

Source A603004-01

Prepared 07/30/2006 00 00 Analyzed 07/31/2006 09 59

1,2-Dibromoethane	0 209	0 02	ug/L	0 250	0 01 U	84	65-135	6	18
1,2-Dibromo-3-chloropropane	0 312	0 02	ug/L	0 250	0 009 U	125	65-135	2	20

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G19013 - EPA 3005A

Blank (6G19013-BLK1)

Prepared 07/19/2006 14 53 Analyzed 07/20/2006 21 34

Antimony	0 2 U	0 2	ug/L
Arsenic	0 2 U	1	ug/L
Barium	1 U	1	ug/L



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G19013 - EPA 3005A

Blank (6G19013-BLK1) Continued

Prepared 07/19/2006 14 53 Analyzed 07/20/2006 21 34

Beryllium	0.2 U	0.2	ug/L
Cadmium	0.2 U	0.2	ug/L
Chromium	0.6 U	1	ug/L
Cobalt	0.04 U	1	ug/L
Copper	0.3 U	0.3	ug/L
Iron	5 U	10	ug/L
Lead	0.3 U	1	ug/L
Nickel	0.3 U	1	ug/L
Selenium	0.2 U	1	ug/L
Silver	0.03 U	0.05	ug/L
Sodium	0.019 U	0.100	mg/L
Thallium	0.02 U	0.1	ug/L
Vanadium	0.3 U	1	ug/L
Zinc	10 U	10	ug/L

LCS (6G19013-BS1)

Prepared 07/19/2006 14 53 Analyzed 07/20/2006 21 40

Antimony	49.5	0.2	ug/L	50.0	99	85-115	200
Arsenic	48.1	1	ug/L	50.0	96	85-115	200
Barium	50.7	1	ug/L	50.0	101	85-115	200
Beryllium	48.5	0.2	ug/L	50.0	97	85-115	200
Cadmium	48.4	0.2	ug/L	50.0	97	85-115	200
Chromium	47.8	1	ug/L	50.0	96	85-115	200
Cobalt	47.0	1	ug/L	50.0	94	85-115	200
Copper	48.9	0.3	ug/L	50.0	98	85-115	200
Iron	112	10	ug/L	50.0	224	85-115	200
Lead	49.3	1	ug/L	50.0	99	85-115	200
Nickel	48.8	1	ug/L	50.0	98	85-115	200
Selenium	47.8	1	ug/L	50.0	96	85-115	200
Silver	4.88	0.05	ug/L	5.00	98	85-115	200
Sodium	0.505	0.100	mg/L	0.500	101	85-115	200
Thallium	48.9	0.1	ug/L	50.0	98	85-115	200
Vanadium	50.0	1	ug/L	50.0	100	85-115	200
Zinc	45.6	10	ug/L	50.0	91	85-115	200

Matrix Spike (6G19013-MS1)

Source A603088-03

Prepared 07/19/2006 14 53 Analyzed 07/20/2006 21 55

Antimony	500 D	2	ug/L	500	2 U	100	70-130	20	D
Arsenic	476 D	10	ug/L	500	2 U	95	70-130	20	D
Barium	510 D	12	ug/L	500	12 U	102	70-130	20	D
Beryllium	503 D	2	ug/L	500	2 U	101	70-130	20	D
Cadmium	488 D	2	ug/L	500	2 U	98	70-130	20	D
Chromium	486 D	10	ug/L	500	6 U	97	70-130	20	D
Cobalt	491 D	10	ug/L	500	0.4 U	98	70-130	20	D
Copper	503 D	3	ug/L	500	3 U	101	70-130	20	D
Iron	537 D	100	ug/L	500	54 U	107	70-130	20	D
Lead	491 D	10	ug/L	500	3 U	98	70-130	20	D
Nickel	496 D	10	ug/L	500	3 U	99	70-130	20	D
Selenium	446 D	10	ug/L	500	2 U	89	70-130	20	D
Silver	50.0 D	0.5	ug/L	50.0	0.3 U	100	70-130	20	D
Sodium	4.83 D	1.00	mg/L	5.00	0.190 U	97	70-130	20	D
Thallium	494 D	1	ug/L	500	0.2 U	99	70-130	20	D
Vanadium	504 D	10	ug/L	500	3 U	101	70-130	20	D



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G19013 - EPA 3005A

Matrix Spike (6G19013-MS1) Continued Source A603088-03 Prepared 07/19/2006 14 53 Analyzed 07/20/2006 21 55

Zinc 475 D 100 ug/L 500 100 U 95 70-130 20 D

Matrix Spike Dup (6G19013-MSD1) Source A603088-03 Prepared 07/19/2006 14 53 Analyzed 07/20/2006 22 05

Antimony 505 D 2 ug/L 500 2 U 101 70-130 1 20 D

Arsenic 485 D 10 ug/L 500 2 U 97 70-130 2 20 D

Barium 515 D 12 ug/L 500 12 U 103 70-130 1 20 D

Beryllium 483 D 2 ug/L 500 2 U 97 70-130 4 20 D

Cadmium 488 D 2 ug/L 500 2 U 98 70-130 0 20 D

Chromium 482 D 10 ug/L 500 6 U 96 70-130 0 8 20 D

Cobalt 491 D 10 ug/L 500 0 4 U 98 70-130 0 20 D

Copper 504 D 3 ug/L 500 3 U 101 70-130 0 2 20 D

Iron 586 D 100 ug/L 500 54 U 117 70-130 9 20 D

Lead 487 D 10 ug/L 500 3 U 97 70-130 0 8 20 D

Nickel 493 D 10 ug/L 500 3 U 99 70-130 0 6 20 D

Selenium 451 D 10 ug/L 500 2 U 90 70-130 1 20 D

Silver 48 5 D 0 5 ug/L 50 0 0 3 U 97 70-130 3 20 D

Sodium 5 07 D 1 00 mg/L 5 00 0 190 U 101 70-130 5 20 D

Thallium 492 D 1 ug/L 500 0 2 U 98 70-130 0 4 20 D

Vanadium 507 D 10 ug/L 500 3 U 101 70-130 0 6 20 D

Zinc 474 D 100 ug/L 500 100 U 95 70-130 0 2 20 D

Post Spike (6G19013-PS1) Source A603088-01 Prepared 07/20/2006 14 09 Analyzed 07/21/2006 01 16

Antimony 0 0491 D 0 0002 mg/L 0 0500 -0 0399 178 75-125 200 D

Arsenic 0 0467 D 0 001 mg/L 0 0500 -0 00223 98 75-125 200 D

Barium 0 0503 D 0 001 mg/L 0 0500 -0 0122 125 75-125 200 D

Beryllium 0 0482 D 0 0002 mg/L 0 0500 -0 00263 102 75-125 200 D

Cadmium 0 0474 D 0 0002 mg/L 0 0500 -0 0342 163 75-125 200 D

Chromium 0 0464 D 0 001 mg/L 0 0500 -0 122 337 75-125 200 D

Cobalt 0 0465 D 0 001 mg/L 0 0500 -0 0854 264 75-125 200 D

Copper 0 0485 D 0 0003 mg/L 0 0500 -0 0486 194 75-125 200 D

Iron 0 0433 D 0 01 mg/L 0 0500 -0 00506 97 75-125 200 D

Lead 0 0481 D 0 001 mg/L 0 0500 -0 0745 245 75-125 200 D

Nickel 0 0479 D 0 001 mg/L 0 0500 -0 0343 164 75-125 200 D

Selenium 0 0448 D 0 001 mg/L 0 0500 0 00124 87 75-125 200 D

Silver 0 00468 D 0 00005 mg/L 0 00500 -0 00291 152 75-125 200 D

Sodium 0 791 D 0 1 mg/L 0 500 1 26 NR 75-125 200 D

Thallium 0 0478 D 0 0001 mg/L 0 0500 -0 127 350 75-125 200 D

Vanadium 0 0488 D 0 001 mg/L 0 0500 -0 0781 254 75-125 200 D

Zinc 0 0467 D 0 0100 mg/L 0 0500 -0 0668 227 75-125 200 D

Post Spike (6G19013-PS2) Source A603504-04 Prepared 07/21/2006 14 52 Analyzed 07/21/2006 19 39

Sodium 0 791 D 0 1 mg/L 0 500 0 248 109 75-125 200 D

Post Spike (6G19013-PS3) Source A603500-01 Prepared 07/25/2006 13 39 Analyzed 07/25/2006 16 33

Iron 0 0473 D 0 01 mg/L 0 0500 0 00368 87 75-125 200 D

Batch 6G21020 - EPA 7470A

Blank (6G21020-BLK1) Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 01

Mercury 0 11 U 0 20 ug/L

LCS (6G21020-BS1) Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 04

Mercury 5 17 0 20 ug/L 5 00 103 93-111 200

Matrix Spike (6G21020-MS1) Source A603566-07 Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 11



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G21020 - EPA 7470A

Matrix Spike (6G21020-MS1) Continued		Source A603566-07		Prepared 07/22/2006 12 35		Analyzed 07/24/2006 09 11				
Mercury	5 57	0 20	ug/L	5 00	0 11 U	111	85-115		12	
Matrix Spike Dup (6G21020-MSD1)		Source A603566-07		Prepared 07/22/2006 12 35		Analyzed 07/24/2006 09 24				
Mercury	5 64	0 20	ug/L	5 00	0 11 U	113	85-115	1	12	

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 6G19013 - EPA 3005A

Blank (6G19013-BLK1)				Prepared 07/19/2006 14 53		Analyzed 07/20/2006 21 34				
Antimony	0 2 U	0 2	ug/L							
Arsenic	0 2 U	1	ug/L							
Barium	1 U	1	ug/L							
Cadmium	0 2 U	0 2	ug/L							
Chromium	0 6 U	1	ug/L							
Cobalt	0 04 U	1	ug/L							
Copper	0 3 U	0 3	ug/L							
Iron	5 U	10	ug/L							
Lead	0 3 U	1	ug/L							
Nickel	0 3 U	1	ug/L							
Selenium	0 2 U	1	ug/L							
Silver	0 03 U	0 05	ug/L							
Sodium	19 U	100	ug/L							
Thallium	0 02 U	0 1	ug/L							
Vanadium	0 3 U	1	ug/L							
Zinc	10 U	10	ug/L							

LCS (6G19013-BS1)				Prepared 07/19/2006 14 53		Analyzed 07/20/2006 21 40				
Antimony	49 5	0 2	ug/L	50 0		99	85-115		200	
Arsenic	48 1	1	ug/L	50 0		96	85-115		200	
Barium	50 7	1	ug/L	50 0		101	85-115		200	
Cadmium	48 4	0 2	ug/L	50 0		97	85-115		200	
Chromium	47 8	1	ug/L	50 0		96	85-115		200	
Cobalt	47 0	1	ug/L	50 0		94	85-115		200	
Copper	48 9	0 3	ug/L	50 0		98	85-115		200	
Iron	112	10	ug/L	50 0		224	85-115		200	
Lead	49 3	1	ug/L	50 0		99	85-115		200	
Nickel	48 8	1	ug/L	50 0		98	85-115		200	
Selenium	47 8	1	ug/L	50 0		96	85-115		200	
Silver	4 88	0 05	ug/L	5 00		98	85-115		200	
Sodium	505	100	ug/L	500		101	85-115		200	
Thallium	48 9	0 1	ug/L	50 0		98	85-115		200	
Vanadium	50 0	1	ug/L	50 0		100	85-115		200	
Zinc	45 6	10	ug/L	50 0		91	85-115		200	

Matrix Spike (6G19013-MS1)		Source A603088-03		Prepared 07/19/2006 14 53		Analyzed 07/20/2006 21 55				
Antimony	500 D	2	ug/L	500	2 U	100	70-130		20	D
Arsenic	476 D	10	ug/L	500	2 U	95	70-130		20	D
Barium	510 D	12	ug/L	500	12 U	102	70-130		20	D
Cadmium	488 D	2	ug/L	500	2 U	98	70-130		20	D
Chromium	486 D	10	ug/L	500	6 U	97	70-130		20	D
Cobalt	491 D	10	ug/L	500	0 4 U	98	70-130		20	D
Copper	503 D	3	ug/L	500	3 U	101	70-130		20	D
Iron	537 D	100	ug/L	500	54 U	107	70-130		20	D



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 6G19013 - EPA 3005A

Matrix Spike (6G19013-MS1) Continued				Source A603088-03		Prepared 07/19/2006 14 53		Analyzed 07/20/2006 21 55		
Lead	491 D	10	ug/L	500	3 U	98	70-130	20	D	
Nickel	496 D	10	ug/L	500	3 U	99	70-130	20	D	
Selenium	446 D	10	ug/L	500	2 U	89	70-130	20	D	
Silver	500 D	0.5	ug/L	500	0.3 U	100	70-130	20	D	
Sodium	4830 D	1000	ug/L	5000	190 U	97	70-130	20	D	
Thallium	494 D	1	ug/L	500	0.2 U	99	70-130	20	D	
Vanadium	504 D	10	ug/L	500	3 U	101	70-130	20	D	
Zinc	475 D	100	ug/L	500	100 U	95	70-130	20	D	

Matrix Spike Dup (6G19013-MSD1)				Source A603088-03		Prepared 07/19/2006 14 53		Analyzed 07/20/2006 22 05		
Antimony	505 D	2	ug/L	500	2 U	101	70-130	1	20	D
Arsenic	485 D	10	ug/L	500	2 U	97	70-130	2	20	D
Barium	515 D	12	ug/L	500	12 U	103	70-130	1	20	D
Cadmium	488 D	2	ug/L	500	2 U	98	70-130	0	20	D
Chromium	482 D	10	ug/L	500	6 U	96	70-130	0.8	20	D
Cobalt	491 D	10	ug/L	500	0.4 U	98	70-130	0	20	D
Copper	504 D	3	ug/L	500	3 U	101	70-130	0.2	20	D
Iron	586 D	100	ug/L	500	54 U	117	70-130	9	20	D
Lead	487 D	10	ug/L	500	3 U	97	70-130	0.8	20	D
Nickel	493 D	10	ug/L	500	3 U	99	70-130	0.6	20	D
Selenium	451 D	10	ug/L	500	2 U	90	70-130	1	20	D
Silver	48.5 D	0.5	ug/L	500	0.3 U	97	70-130	3	20	D
Sodium	5070 D	1000	ug/L	5000	190 U	101	70-130	5	20	D
Thallium	492 D	1	ug/L	500	0.2 U	98	70-130	0.4	20	D
Vanadium	507 D	10	ug/L	500	3 U	101	70-130	0.6	20	D
Zinc	474 D	100	ug/L	500	100 U	95	70-130	0.2	20	D

Post Spike (6G19013-PS1)				Source A603088-01		Prepared 07/20/2006 14 09		Analyzed 07/21/2006 01 16		
Antimony	0.0491 D	0.0002	mg/L	0.0500	-0.0399	178	75-125	200	D	
Arsenic	0.0467 D	0.001	mg/L	0.0500	-0.00223	98	75-125	200	D	
Barium	0.0503 D	0.001	mg/L	0.0500	-0.0122	125	75-125	200	D	
Cadmium	0.0474 D	0.0002	mg/L	0.0500	-0.0342	163	75-125	200	D	
Chromium	0.0464 D	0.001	mg/L	0.0500	-0.122	337	75-125	200	D	
Cobalt	0.0465 D	0.001	mg/L	0.0500	-0.0854	264	75-125	200	D	
Copper	0.0485 D	0.0003	mg/L	0.0500	-0.0486	194	75-125	200	D	
Iron	0.0433 D	0.01	mg/L	0.0500	-0.00253	92	75-125	200	D	
Lead	0.0481 D	0.001	mg/L	0.0500	-0.0745	245	75-125	200	D	
Nickel	0.0479 D	0.001	mg/L	0.0500	-0.0343	164	75-125	200	D	
Selenium	0.0448 D	0.001	mg/L	0.0500	0.00124	87	75-125	200	D	
Silver	0.00468 D	0.00005	mg/L	0.00500	-0.00291	152	75-125	200	D	
Sodium	0.791 D	0.1	mg/L	0.500	1.26	NR	75-125	200	D	
Thallium	0.0478 D	0.0001	mg/L	0.0500	-0.127	350	75-125	200	D	
Vanadium	0.0488 D	0.001	mg/L	0.0500	-0.0781	254	75-125	200	D	
Zinc	0.0467 D	0.0100	mg/L	0.0500	-0.0668	227	75-125	200	D	

Post Spike (6G19013-PS3)				Source A603500-01		Prepared 07/25/2006 13 39		Analyzed 07/25/2006 16 33		
Iron	0.0473 D	0.01	mg/L	0.0500	0.00368	87	75-125	200	D	

Batch 6G21020 - EPA 7470A

Blank (6G21020-BLK1)				Prepared 07/22/2006 12 35		Analyzed 07/24/2006 09 01		
Mercury	0.11 U	0.20	ug/L					
LCS (6G21020-BS1)				Prepared 07/22/2006 12 35		Analyzed 07/24/2006 09 04		

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 6G21020 - EPA 7470A

LCS (6G21020-BS1) Continued				Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 04						
Mercury	5 17	0 20	ug/L	5 00		103	93-111		200	
Matrix Spike (6G21020-MS1)				Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 11						
Mercury	5 57	0 20	ug/L	5 00	0 11 U	111	85-115		12	
Matrix Spike Dup (6G21020-MSD1)				Prepared 07/22/2006 12 35 Analyzed 07/24/2006 09 24						
Mercury	5 64	0 20	ug/L	5 00	0 11 U	113	85-115	1	12	

Classical Chemistry Parameters - Quality Control

Batch 6G19003 - Default Prep GenChem

Blank (6G19003-BLK1)				Prepared 07/19/2006 18 40 Analyzed 07/20/2006 17 20						
Total Dissolved Solids	10 U	10	mg/L							
LCS (6G19003-BS1)				Prepared 07/19/2006 18 40 Analyzed 07/20/2006 17 20						
Total Dissolved Solids	292	10	mg/L	300		97	86-118		200	
Duplicate (6G19003-DUP1)				Prepared 07/19/2006 18 40 Analyzed 07/20/2006 17 20						
Total Dissolved Solids	344	10	mg/L	370				7	25	

Batch 6G19021 - Default Prep GenChem

Blank (6G19021-BLK1)				Prepared 07/19/2006 15 25 Analyzed 07/20/2006 04 49						
Nitrate as N	0 008 U	0 050	mg/L							
Chloride	0 91 I	1 00	mg/L							
LCS (6G19021-BS1)				Prepared 07/19/2006 15 25 Analyzed 07/20/2006 05 08						
Nitrate as N	4 85	0 050	mg/L	5 00		97	90-110		200	
Chloride	265	1 00	mg/L	250		106	90-110		200	
Matrix Spike (6G19021-MS1)				Prepared 07/19/2006 15 25 Analyzed 07/20/2006 05 28						
Nitrate as N	5 82	0 050	mg/L	5 10	0 479	105	40-152		23	
Chloride	304	1 00	mg/L	255	45 6	101	51-149		26	
Matrix Spike Dup (6G19021-MSD1)				Prepared 07/19/2006 15 25 Analyzed 07/20/2006 05 48						
Nitrate as N	5 01	0 050	mg/L	5 10	0 479	89	40-152	15	23	
Chloride	287	1 00	mg/L	255	45 6	95	51-149	6	26	

Batch 6G28010 - NO PREP

Blank (6G28010-BLK1)				Prepared 07/28/2006 10 17 Analyzed 07/28/2006 12 55						
Ammonia as N	0 003 U	0 02	mg/L							
LCS (6G28010-BS1)				Prepared 07/28/2006 10 17 Analyzed 07/28/2006 12 42						
Ammonia as N	0 939	0 02	mg/L	1 00		94	90-110		200	
Matrix Spike (6G28010-MS1)				Prepared 07/28/2006 10 17 Analyzed 07/28/2006 12 44						
Ammonia as N	0 935	0 02	mg/L	1 00	0 003 U	94	90-110		10	
Matrix Spike Dup (6G28010-MSD1)				Prepared 07/28/2006 10 17 Analyzed 07/28/2006 12 46						
Ammonia as N	0 922	0 02	mg/L	1 00	0 003 U	92	90-110	1	10	

Special Notes

- [1] D = Data reported from a dilution
- [2] I = Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag)
- [3] U = Analyte included in the analysis, but not detected



ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

Client Name Jones, Edmunds + Assoc.		Project Number 03860-022-01		Requested Analyses		Requested Turnaround Times		
Address 730 NE Waldo Rd		Project Name/Desc Citrus Co. LF		See Attached!		Note Rush requests subject to acceptance by the facility		
City/ST/Zip Gainesville, FL 32641		PO # / Billing Info				Standard		
Tel (352) 377-5821		Reporting Contact K. Weitz		Field Filtered 1.0 um		Expedited		
Fax		Billing Contact				Due / /		
Sampler(s) Name, Affiliation (Print) Dan Lichtenwalter / JEA		Facility (if required) Assessment				Lab Workorder A603504		
Sampler(s) Signature <i>Dan Lichtenwalter</i>								
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	Sample Comments
	06S2CC-13	7/18/06	0840	G	GW	8		
	↓ -11		1008	↓	↓	8		
	↓ -10		1416	↓	↓	9		
	↓ -12		1540	↓	↓	8		
	TB#2	↓		↓	↓	2		Trip Blank 2
←-- Total # of Containers								
Sample Kit Prepared By		Relinquished By		Relinquished By		Date/Time		Date/Time
		Shipped Greyhound from Gainesville to Orlando		Dan Lichtenwalter		7/18/06 1810		7/14/06 1330
Comments		Relinquished By		Relinquished By		Date/Time		Date/Time
		Dan Lichtenwalter		Dan Lichtenwalter		7/18/06 1810		7/14/06 1330
Cooler #s & Temps on Receipt		Condition Upon Receipt		Condition Upon Receipt		Date/Time		Date/Time
STN-10120		Acceptable		Acceptable		7/18/06 1810		7/14/06 1330
Matrix GW-Groundwater SO-Sol SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)		Preservation 1 Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)		Preservation 1 Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)		Unacceptable		Unacceptable

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



Monday, July 31, 2006

Jones Edmunds & Associates, Inc (JO006)

Attn Lynne McDaniel

730 N E Waldo Road Bldg A

Gainesville, FL 32641

**RE: Project Number: 03860-022-01, Project Name/Desc: Citrus Co. LF
ENCO Workorder: A603300**

Dear Lynne McDaniel,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 18, 2006

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.

This data has been produced in accordance with NELAC standards (June, 2003). 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. 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,

A handwritten signature in black ink, reading "David M. Camacho". The signature is written in a cursive, flowing style.

David Camacho

Project Manager

Enclosure(s)

LAB #		A603300-01	A603300-02	A603300-03	A603300-04	A603300-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	-
SAMPLE ID	Reporting Limit	06S2CC 17	06S2CC EQ1	06S2CC 15	06S2CC 14	TB#1	-

Volatile Organic Compounds by GCMS (Water)

1,1,1,2-Tetrachloroethane	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
1,1,1-Trichloroethane	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
1,1,2,2-Tetrachloroethane	0 2 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
1,1,2-Trichloroethane	1 ug/L	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	-
1,1-Dichloroethane	1 ug/L	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	-
1,1-Dichloroethene	1 ug/L	<0 8 [7]	<0 8 [7]	<0 8 [7]	<0 8 [7]	<0 8 [7]	-
1,2,3-Trichloropropane	1 ug/L	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	-
1,2-Dichlorobenzene	1 ug/L	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	-
1,2-Dichloroethane	1 ug/L	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	-
1,2-Dichloropropane	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
1,4-Dichlorobenzene	1 ug/L	1	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
2-Butanone	5 ug/L	<1 [7]	<1 [7]	<1 [7]	<1 [7]	<1 [7]	-
2-Hexanone	5 ug/L	<2 [7]	<2 [7]	<2 [7]	<2 [7]	<2 [7]	-
4-Methyl-2-pentanone	5 ug/L	<2 [7]	<2 [7]	<2 [7]	<2 [7]	<2 [7]	-
Acetone	5 ug/L	<3 [7]	<3 [7]	<3 [7]	<3 [7]	<3 [7]	-
Acrylonitrile	2 ug/L	<2 [7]	<2 [7]	<2 [7]	<2 [7]	<2 [7]	-
Benzene	1 ug/L	<0 1 [7]	<0 1 [7]	0 6 [3]	<0 1 [7]	<0 1 [7]	-
Bromochloromethane	1 ug/L	<0 9 [7]	<0 9 [7]	<0 9 [7]	<0 9 [7]	<0 9 [7]	-
Bromodichloromethane	0 4 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Bromoform	1 ug/L	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	-
Bromomethane	1 ug/L	<1 [7]	<1 [7]	<1 [7]	<1 [7]	<1 [7]	-
Carbon disulfide	5 ug/L	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	-
Carbon tetrachloride	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Chlorobenzene	1 ug/L	<0 1 [7]	<0 1 [7]	<0 1 [7]	<0 1 [7]	<0 1 [7]	-
Chloroethane	1 ug/L	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	-
Chloroform	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Chloromethane	1 ug/L	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	-
cis-1,2-Dichloroethene	1 ug/L	<0 3 [7]	<0 3 [7]	5	<0 3 [7]	<0 3 [7]	-
cis-1,3-Dichloropropene	0 2 ug/L	<0 1 [7]	<0 1 [7]	<0 1 [7]	<0 1 [7]	<0 1 [7]	-
Dibromochloromethane	0 2 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Dibromomethane	1 ug/L	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	<0 4 [7]	-
Ethylbenzene	1 ug/L	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	<0 3 [7]	-
Iodomethane	3 ug/L	<1 [7]	<1 [7]	<1 [7]	<1 [7]	<1 [7]	-
m,p-Xylenes	2 ug/L	0 7 [3]	<0 3 [7]	0 8 [3]	<0 3 [7]	<0 3 [7]	-
Methylene chloride	2 ug/L	5 [1] [4]	<1 [7]	<1 [7]	<1 [7]	<1 [7]	-
o-Xylene	1 ug/L	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	-
Styrene	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Tetrachloroethene	1 ug/L	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	<0 6 [7]	-
Toluene	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
trans-1,2-Dichloroethene	1 ug/L	<0 8 [7]	<0 8 [7]	<0 8 [7]	<0 8 [7]	<0 8 [7]	-
trans-1,3-Dichloropropene	0 2 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
trans-1,4-Dichloro-2-butene	1 ug/L	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	<0 5 [7]	-
Trichloroethene	1 ug/L	<0 3 [7]	<0 3 [7]	2	<0 3 [7]	<0 3 [7]	-
Trichlorofluoromethane	1 ug/L	<0 7 [7]	<0 7 [7]	<0 7 [7]	<0 7 [7]	<0 7 [7]	-
Vinyl acetate	1 ug/L	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	<0 2 [7]	-
Vinyl chloride	1 ug/L	<0 5 [7]	<0 5 [7]	1	<0 5 [7]	<0 5 [7]	-

LAB #		A603300-01	A603300-02	A603300-03	A603300-04	A603300-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	-
SAMPLE ID	Reporting Limit	06S2CC 17	06S2CC EQ1	06S2CC 15	06S2CC 14	TB#1	-

Volatile Organic Compounds by GCMS (continued)

Toluene-d8	132 [surr]	101%	107%	107%	109%	107%	-
4-Bromofluorobenzene	135 [surr]	87%	94%	94%	96%	90%	-
Dibromofluoromethane	149 [surr]	88%	94%	98%	97%	93%	-

Semivolatile Organic Compounds by GCMS SIM (Water)

Benzo(a)anthracene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Benzo(b)fluoranthene	0 10 ug/L	<0 05 [7]	<0 05 [7]	<0 05 [7]	<0 05 [7]	-	-
Benzo(k)fluoranthene	0 10 ug/L	<0 06 [7]	<0 06 [7]	<0 06 [7]	<0 06 [7]	-	-
Benzo(g,h,i)perylene	0 10 ug/L	<0 07 [7]	<0 07 [7]	<0 07 [7]	<0 07 [7]	-	-
1-Methylnaphthalene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Benzo(a)pyrene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-
Dibenzo(a,h)anthracene	0 10 ug/L	<0 05 [7]	<0 05 [7]	<0 05 [7]	<0 05 [7]	-	-
Indeno(1,2,3-cd)pyrene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-
2-Methylnaphthalene	0 10 ug/L	<0 05 [7]	<0 05 [7]	<0 05 [7]	<0 05 [7]	-	-
p-Terphenyl	148 [surr]	86%	71%	98%	111%	-	-
Acenaphthene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Acenaphthylene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Anthracene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Chrysene	0 10 ug/L	<0 04 [7]	<0 04 [7]	<0 04 [7]	<0 04 [7]	-	-
Fluoranthene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-
Fluorene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-
Naphthalene	0 10 ug/L	<0 09 [7]	<0 09 [7]	<0 09 [7]	<0 09 [7]	-	-
Phenanthrene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-
Pyrene	0 10 ug/L	<0 03 [7]	<0 03 [7]	<0 03 [7]	<0 03 [7]	-	-

Semivolatile Organic Compounds by GC (Water)

1,2-Dibromoethane	0 02 ug/L	<0 01 [7]	<0 01 [7]	<0 01 [7]	<0 01 [7]	-	-
1,2-Dibromo-3-chloropropane	0 02 ug/L	<0 009 [7]	<0 009 [7]	<0 009 [7]	<0 009 [7]	-	-
1,3-Dichlorobenzene	140 [surr]	108%	4160% [6]	472% [6]	228% [6]	-	-

Metals by EPA 6000/7000 Series Methods (Water)

Antimony	0 2 ug/L	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	-	-
Arsenic	1 ug/L	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	-	-
Barium	1 ug/L	<12 [2] [7]	<12 [2] [7]	<12 [2] [7]	<12 [2] [7]	-	-
Beryllium	0 2 ug/L	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	-	-
Cadmium	0 2 ug/L	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	<2 [2] [7]	-	-
Chromium	1 ug/L	<6 [2] [7]	<6 [2] [7]	<6 [2] [7]	<6 [2] [7]	-	-
Cobalt	1 ug/L	<0 4 [2] [7]	<0 4 [2] [7]	<0 4 [2] [7]	<0 4 [2] [7]	-	-
Copper	0 3 ug/L	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	-	-
Iron	10 ug/L	6080 [2]	<54 [2] [7]	1350 [2]	137 [2]	-	-
Lead	1 ug/L	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	-	-
Mercury	0 20 ug/L	<0 11 [7]	<0 11 [7]	<0 11 [7]	<0 11 [7]	-	-
Nickel	1 ug/L	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	-	-
Selenium	1 ug/L	<2 [2] [7]	<2 [2] [7]	8 [2] [3]	<2 [2] [7]	-	-
Silver	0 05 ug/L	0 4 [1] [2] [3]	0 4 [1] [2] [3]	0 4 [1] [2] [3]	0 4 [1] [2] [3]	-	-
Sodium	0 100 mg/L	3 68 [2]	<0 190 [2] [7]	1 46 [2]	2 15 [2]	-	-
Thallium	0 1 ug/L	<0 2 [2] [7]	<0 2 [2] [7]	<0 2 [2] [7]	<0 2 [2] [7]	-	-



www.encolabs.com

LAB #		A603300-01	A603300-02	A603300-03	A603300-04	A603300-05	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	-
SAMPLE ID	Reporting Limit	06S2CC 17	06S2CC EQ1	06S2CC 15	06S2CC 14	TB#1	-

Metals by EPA 6000/7000 Series Methods (continued)

Vanadium	1 ug/L	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	<3 [2] [7]	-	-
Zinc	10 ug/L	<100 [2] [7]	<100 [2] [7]	<100 [2] [7]	<100 [2] [7]	-	-

Classical Chemistry Parameters (Water)

Ammonia as N	0 02 mg/L	<0 003 [7]	<0 003 [7]	<0 003 [7]	<0 003 [7]	-	-
Chloride	1 00 mg/L	4 33	0 95 [3]	4 47	4 59	-	-
Nitrate as N	0 050 mg/L	0 248	<0 008 [7]	0 232	0 321	-	-
Total Dissolved Solids	10 mg/L	40	<10 [7]	82	336	-	-

Field Parameters (Water)

Specific Conductance (EC)	0 umhos/cm	68	-	48	519	-	-
Dissolved Oxygen	0 00 mg/L	1 18	-	1 22	0 78	-	-
pH	0 00 pH Units	4 96	-	4 78	6 79	-	-
Oxidation/Reduction Potential	mV	164 0	-	247 9	10 00	-	-
Temperature	0 00 °C	26 04	-	25 30	25 51	-	-
Turbidity	0 00 NTU	4 23	-	4 37	1 69	-	-



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Volatile Organic Compounds by GCMS - Quality Control										
<i>Batch 6G25013 - EPA 5030B_MS</i>										
Blank (6G25013-BLK1)				Prepared 07/25/2006 13 03 Analyzed 07/25/2006 15 04						
1,1,1,2-Tetrachloroethane	0 2 U	1	ug/L							
1,1,1-Trichloroethane	0 2 U	1	ug/L							
1,1,2,2-Tetrachloroethane	0 2 U	0 2	ug/L							
1,1,2-Trichloroethane	0 4 U	1	ug/L							
1,1-Dichloroethane	0 3 U	1	ug/L							
1,1-Dichloroethene	0 8 U	1	ug/L							
1,2,3-Trichloropropane	0 3 U	1	ug/L							
1,2-Dichlorobenzene	0 3 U	1	ug/L							
1,2-Dichloroethane	0 3 U	1	ug/L							
1,2-Dichloropropane	0 2 U	1	ug/L							
1,4-Dichlorobenzene	0 2 U	1	ug/L							
2-Butanone	1 U	5	ug/L							
2-Hexanone	2 U	5	ug/L							
4-Methyl-2-pentanone	2 U	5	ug/L							
Acetone	3 U	5	ug/L							
Acrylonitrile	2 U	2	ug/L							
Benzene	0 1 U	1	ug/L							
Bromochloromethane	0 9 U	1	ug/L							
Bromodichloromethane	0 2 U	0 4	ug/L							
Bromoform	0 5 U	1	ug/L							
Bromomethane	1 U	1	ug/L							
Carbon disulfide	0 4 U	5	ug/L							
Carbon tetrachloride	0 2 U	1	ug/L							
Chlorobenzene	0 1 U	1	ug/L							
Chloroethane	0 5 U	1	ug/L							
Chloroform	0 2 U	1	ug/L							
Chloromethane	0 6 U	1	ug/L							
cis-1,2-Dichloroethene	0 3 U	1	ug/L							
cis-1,3-Dichloropropene	0 1 U	0 2	ug/L							
Dibromochloromethane	0 2 U	0 2	ug/L							
Dibromomethane	0 4 U	1	ug/L							
Ethylbenzene	0 3 U	1	ug/L							
Iodomethane	1 U	3	ug/L							
m,p-Xylenes	0 6 I	2	ug/L							
Methylene chloride	5 0-01	2	ug/L							O-01
o-Xylene	0 6 U	1	ug/L							
Styrene	0 2 U	1	ug/L							
Tetrachloroethene	0 6 U	1	ug/L							
Toluene	0 2 U	1	ug/L							
trans-1,2-Dichloroethene	0 8 U	1	ug/L							
trans-1,3-Dichloropropene	0 2 U	0 2	ug/L							
trans-1,4-Dichloro-2-butene	0 5 U	1	ug/L							
Trichloroethene	0 3 U	1	ug/L							
Trichlorofluoromethane	0 7 U	1	ug/L							
Vinyl acetate	0 2 U	1	ug/L							
Vinyl chloride	0 5 U	1	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Volatile Organic Compounds by GCMS - Quality Control

Batch 6G25013 - EPA 5030B_MS

Blank (6G25013-BLK1) Continued

Prepared 07/25/2006 13 03 Analyzed 07/25/2006 15 04

Surrogate Toluene-d8	54 1		ug/L	50 0		108	70-132			
Surrogate 4-Bromofluorobenzene	48 3		ug/L	50 0		97	60-135			
Surrogate Dibromofluoromethane	47 0		ug/L	50 0		94	52-149			

LCS (6G25013-BS1)

Prepared 07/25/2006 13 03 Analyzed 07/25/2006 14 35

1,1-Dichloroethene	22 6	1	ug/L	20 0		113	49-156		200	
Benzene	22 8	1	ug/L	20 0		114	64-132		200	
Chlorobenzene	20 7	1	ug/L	20 0		104	68-135		200	
Toluene	21 7	1	ug/L	20 0		108	58-132		200	
Trichloroethene	21 5	1	ug/L	20 0		108	66-130		200	

Surrogate Toluene-d8	53 6		ug/L	50 0		107	70-132			
Surrogate 4-Bromofluorobenzene	47 6		ug/L	50 0		95	60-135			
Surrogate Dibromofluoromethane	44 6		ug/L	50 0		89	52-149			

Matrix Spike (6G25013-MS1)

Source: A603300-01

Prepared 07/25/2006 13 03 Analyzed 07/25/2006 15 33

1,1-Dichloroethene	20 3	1	ug/L	20 0	0 8 U	102	36-185		34	
Benzene	21 4	1	ug/L	20 0	0 1 U	107	65-143		25	
Chlorobenzene	18 9	1	ug/L	20 0	0 1 U	94	64-140		23	
Toluene	19 8	1	ug/L	20 0	0 2 U	99	62-144		24	
Trichloroethene	19 1	1	ug/L	20 0	0 3 U	96	51-152		28	

Surrogate Toluene-d8	51 2		ug/L	50 0		102	70-132			
Surrogate 4-Bromofluorobenzene	45 3		ug/L	50 0		91	60-135			
Surrogate Dibromofluoromethane	44 7		ug/L	50 0		89	52-149			

Matrix Spike Dup (6G25013-MSD1)

Source: A603300-01

Prepared 07/25/2006 13 03 Analyzed 07/25/2006 16 02

1,1-Dichloroethene	21 8	1	ug/L	20 0	0 8 U	109	36-185	7	34	
Benzene	21 6	1	ug/L	20 0	0 1 U	108	65-143	0 9	25	
Chlorobenzene	19 8	1	ug/L	20 0	0 1 U	99	64-140	5	23	
Toluene	20 6	1	ug/L	20 0	0 2 U	103	62-144	4	24	
Trichloroethene	19 2	1	ug/L	20 0	0 3 U	96	51-152	0 5	28	

Surrogate Toluene-d8	50 3		ug/L	50 0		101	70-132			
Surrogate 4-Bromofluorobenzene	45 6		ug/L	50 0		91	60-135			
Surrogate Dibromofluoromethane	44 2		ug/L	50 0		88	52-149			

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 6G23001 - EPA 3510C_MS

Blank (6G23001-BLK1)

Prepared 07/23/2006 09 16 Analyzed 07/25/2006 10 25

Benzo(a)anthracene	0 04 U	0 10	ug/L							
Benzo(b)fluoranthene	0 05 U	0 10	ug/L							
Benzo(k)fluoranthene	0 06 U	0 10	ug/L							
Benzo(g,h,i)perylene	0 07 U	0 10	ug/L							
1-Methylnaphthalene	0 04 U	0 10	ug/L							
Benzo(a)pyrene	0 03 U	0 10	ug/L							
Dibenzo(a,h)anthracene	0 05 U	0 10	ug/L							
Indeno(1,2,3-cd)pyrene	0 03 U	0 10	ug/L							
2-Methylnaphthalene	0 05 U	0 10	ug/L							
Acenaphthene	0 04 U	0 10	ug/L							
Acenaphthylene	0 04 U	0 10	ug/L							
Anthracene	0 04 U	0 10	ug/L							
Chrysene	0 04 U	0 10	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 6G23001 - EPA 3510C_MS

Blank (6G23001-BLK1) Continued

Prepared 07/23/2006 09 16 Analyzed 07/25/2006 10 25

Fluoranthene	0 03 U	0 10	ug/L							
Fluorene	0 03 U	0 10	ug/L							
Naphthalene	0 09 U	0 10	ug/L							
Phenanthrene	0 03 U	0 10	ug/L							
Pyrene	0 03 U	0 10	ug/L							

Surrogate p-Terphenyl 4 51 ug/L 5 00 90 39-148

LCS (6G23001-BS1)

Prepared 07/23/2006 09 16 Analyzed 07/25/2006 10 42

Benzo(g,h,i)perylene	1 13	0 10	ug/L	2 00		56	23-146		200	
Benzo(a)pyrene	1 91	0 10	ug/L	2 00		96	57-126		200	
Acenaphthene	1 94	0 10	ug/L	2 00		97	48-119		200	
Naphthalene	2 02	0 10	ug/L	2 00		101	38-138		200	

Surrogate p-Terphenyl 4 48 ug/L 5 00 90 39-148

Matrix Spike (6G23001-MS1)

Source: A603576-01

Prepared 07/23/2006 09 16 Analyzed 07/25/2006 10 58

Benzo(g,h,i)perylene	1 19	0 10	ug/L	2 00	0 07 U	60	52-155		32	
Benzo(a)pyrene	1 53	0 10	ug/L	2 00	0 03 U	76	41-157		30	
Acenaphthene	1 69	0 10	ug/L	2 00	0 04 U	84	20-150		27	
Naphthalene	1 78	0 10	ug/L	2 00	0 09 U	89	30-112		33	

Surrogate p-Terphenyl 3 72 ug/L 5 00 74 39-148

Matrix Spike Dup (6G23001-MSD1)

Source: A603576-01

Prepared 07/23/2006 09 16 Analyzed 07/25/2006 11 15

Benzo(g,h,i)perylene	1 27	0 10	ug/L	2 00	0 07 U	64	52-155	7	32	
Benzo(a)pyrene	1 63	0 10	ug/L	2 00	0 03 U	82	41-157	6	30	
Acenaphthene	1 81	0 10	ug/L	2 00	0 04 U	90	20-150	7	27	
Naphthalene	1 89	0 10	ug/L	2 00	0 09 U	94	30-112	6	33	

Surrogate p-Terphenyl 3 98 ug/L 5 00 80 39-148

Semivolatile Organic Compounds by GC - Quality Control

Batch 6G27019 - EPA 504/8011

Blank (6G27019-BLK1)

Prepared 07/27/2006 00 00 Analyzed 07/28/2006 15 36

1,2-Dibromoethane	0 01 U	0 02	ug/L							
1,2-Dibromo-3-chloropropane	0 009 U	0 02	ug/L							

LCS (6G27019-BS1)

Prepared 07/27/2006 00 00 Analyzed 07/28/2006 15 47

1,2-Dibromoethane	0 284	0 02	ug/L	0 250		114	60-140		200	
1,2-Dibromo-3-chloropropane	0 318	0 02	ug/L	0 250		127	60-140		200	

Matrix Spike (6G27019-MS1)

Source: A603225-02

Prepared 07/27/2006 00 00 Analyzed 07/28/2006 15 57

1,2-Dibromoethane	0 315 QM-07	0 02	ug/L	0 250	0 01 U	126	65-135		18	QM-07
1,2-Dibromo-3-chloropropane	0 409 QM-07	0 02	ug/L	0 250	0 009 U	164	65-135		20	QM-07

Matrix Spike Dup (6G27019-MSD1)

Source: A603225-02

Prepared 07/27/2006 00 00 Analyzed 07/28/2006 16 08

1,2-Dibromoethane	0 264 QM-07	0 02	ug/L	0 250	0 01 U	106	65-135	18	18	QM-07
1,2-Dibromo-3-chloropropane	0 329 QM-07	0 02	ug/L	0 250	0 009 U	132	65-135	22	20	QM-07

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G18006 - EPA 3005A

Blank (6G18006-BLK1)

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 22 33

Antimony	0 2 U	0 2	ug/L							
Arsenic	0 2 U	1	ug/L							
Barium	1 U	1	ug/L							



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G18006 - EPA 3005A

Blank (6G18006-BLK1) Continued

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 22 33

Beryllium	0 2 U	0 2	ug/L
Cadmium	0 2 U	0 2	ug/L
Chromium	0 6 U	1	ug/L
Cobalt	0 04 U	1	ug/L
Copper	0 3 U	0 3	ug/L
Iron	5 U	10	ug/L
Lead	0 3 U	1	ug/L
Nickel	0 3 U	1	ug/L
Selenium	0 2 U	1	ug/L
Silver	0 05	0 05	ug/L
Sodium	0 019 U	0 100	mg/L
Thallium	0 02 U	0 1	ug/L
Vanadium	0 3 U	1	ug/L
Zinc	10 U	10	ug/L

Blank (6G18006-BLK2)

Prepared 07/19/2006 10 24 Analyzed 07/20/2006 02 53

Antimony	0 2 U	0 2	ug/L
Arsenic	0 2 U	1	ug/L
Barium	1 U	1	ug/L
Beryllium	0 2 U	0 2	ug/L
Cadmium	0 2 U	0 2	ug/L
Chromium	0 6 U	1	ug/L
Cobalt	0 04 U	1	ug/L
Copper	0 3 U	0 3	ug/L
Iron	5 U	10	ug/L
Lead	0 3 U	1	ug/L
Nickel	0 3 U	1	ug/L
Selenium	0 2 U	1	ug/L
Silver	0 04 I	0 05	ug/L
Sodium	0 019 U	0 100	mg/L
Thallium	0 02 U	0 1	ug/L
Vanadium	0 3 U	1	ug/L
Zinc	10 U	10	ug/L

LCS (6G18006-BS1)

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 22 39

Antimony	49 7	0 2	ug/L	50 0	99	85-115	200
Arsenic	48 6	1	ug/L	50 0	97	85-115	200
Barium	49 5	1	ug/L	50 0	99	85-115	200
Beryllium	49 0	0 2	ug/L	50 0	98	85-115	200
Cadmium	49 2	0 2	ug/L	50 0	98	85-115	200
Chromium	48 1	1	ug/L	50 0	96	85-115	200
Cobalt	52 4	1	ug/L	50 0	105	85-115	200
Copper	52 4	0 3	ug/L	50 0	105	85-115	200
Iron	45 9	10	ug/L	50 0	92	85-115	200
Lead	48 3	1	ug/L	50 0	97	85-115	200
Nickel	51 6	1	ug/L	50 0	103	85-115	200
Selenium	47 7	1	ug/L	50 0	95	85-115	200
Silver	5 15 B	0 05	ug/L	5 00	103	85-115	200 B
Sodium	0 466	0 100	mg/L	0 500	93	85-115	200
Thallium	50 3	0 1	ug/L	50 0	101	85-115	200
Vanadium	52 0	1	ug/L	50 0	104	85-115	200



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G18006 - EPA 3005A

LCS (6G18006-BS1) Continued

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 22 39

Zinc	49 2	10	ug/L	50 0		98	85-115		200	
------	------	----	------	------	--	----	--------	--	-----	--

LCS (6G18006-BS2)

Prepared 07/19/2006 10 24 Analyzed 07/20/2006 02 58

Antimony	49 9	0 2	ug/L	50 0		100	85-115		200	
Arsenic	47 9	1	ug/L	50 0		96	85-115		200	
Barium	49 5	1	ug/L	50 0		99	85-115		200	
Beryllium	51 4	0 2	ug/L	50 0		103	85-115		200	
Cadmium	49 3	0 2	ug/L	50 0		99	85-115		200	
Chromium	48 3	1	ug/L	50 0		97	85-115		200	
Cobalt	50 8	1	ug/L	50 0		102	85-115		200	
Copper	50 7	0 3	ug/L	50 0		101	85-115		200	
Iron	47 1	10	ug/L	50 0		94	85-115		200	
Lead	49 6	1	ug/L	50 0		99	85-115		200	
Nickel	50 3	1	ug/L	50 0		101	85-115		200	
Selenium	47 5	1	ug/L	50 0		95	85-115		200	
Silver	5 15 B	0 05	ug/L	5 00		103	85-115		200	B
Sodium	0 490	0 100	mg/L	0 500		98	85-115		200	
Thallium	51 5	0 1	ug/L	50 0		103	85-115		200	
Vanadium	51 1	1	ug/L	50 0		102	85-115		200	
Zinc	48 6	10	ug/L	50 0		97	85-115		200	

Matrix Spike (6G18006-MS1)

Source: A603089-07

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 23 16

Antimony	501 D	2	ug/L	500	2 U	100	70-130		20	D
Arsenic	502 D	10	ug/L	500	2 U	100	70-130		20	D
Barium	495 D	12	ug/L	500	12 U	99	70-130		20	D
Beryllium	497 D	2	ug/L	500	2 U	99	70-130		20	D
Cadmium	491 D	2	ug/L	500	2 U	98	70-130		20	D
Chromium	489 D	10	ug/L	500	6 U	98	70-130		20	D
Cobalt	519 D	10	ug/L	500	0 4 U	104	70-130		20	D
Copper	532 D	3	ug/L	500	3 U	106	70-130		20	D
Iron	475 D	100	ug/L	500	54 U	95	70-130		20	D
Lead	493 D	10	ug/L	500	3 U	99	70-130		20	D
Nickel	515 D	10	ug/L	500	3 U	103	70-130		20	D
Selenium	476 D	10	ug/L	500	2 U	95	70-130		20	D
Silver	51 1 D, B	0 5	ug/L	50 0	0 499	101	70-130		20	D B
Sodium	4 93 D	1 00	mg/L	5 00	0 190 U	99	70-130		20	D
Thallium	510 D	1	ug/L	500	0 2 U	102	70-130		20	D
Vanadium	517 D	10	ug/L	500	3 U	103	70-130		20	D
Zinc	498 D	100	ug/L	500	100 U	100	70-130		20	D

Matrix Spike Dup (6G18006-MSD1)

Source: A603089-07

Prepared 07/18/2006 11 26 Analyzed 07/19/2006 23 26

Antimony	513 D	2	ug/L	500	2 U	103	70-130	2	20	D
Arsenic	500 D	10	ug/L	500	2 U	100	70-130	0 4	20	D
Barium	507 D	12	ug/L	500	12 U	101	70-130	2	20	D
Beryllium	512 D	2	ug/L	500	2 U	102	70-130	3	20	D
Cadmium	497 D	2	ug/L	500	2 U	99	70-130	1	20	D
Chromium	489 D	10	ug/L	500	6 U	98	70-130	0	20	D
Cobalt	521 D	10	ug/L	500	0 4 U	104	70-130	0 4	20	D
Copper	531 D	3	ug/L	500	3 U	106	70-130	0 2	20	D
Iron	474 D	100	ug/L	500	54 U	95	70-130	0 2	20	D
Lead	497 D	10	ug/L	500	3 U	99	70-130	0 8	20	D
Nickel	522 D	10	ug/L	500	3 U	104	70-130	1	20	D

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G18006 - EPA 3005A

Matrix Spike Dup (6G18006-MSD1) Continued				Source	A603089-07	Prepared	07/18/2006 11 26	Analyzed	07/20/2006 19 21	
Selenium	495 D	10	ug/L	500	2 U	99	70-130	4	20	D
Silver	512 D, B	0.5	ug/L	500	0.499	101	70-130	0.2	20	D B
Sodium	476 D	100	mg/L	500	0.190 U	95	70-130	4	20	D
Thallium	513 D	1	ug/L	500	0.2 U	103	70-130	0.6	20	D
Vanadium	524 D	10	ug/L	500	3 U	105	70-130	1	20	D
Zinc	486 D	100	ug/L	500	100 U	97	70-130	2	20	D

Post Spike (6G18006-PS1)				Source:	A603089-07	Prepared	07/19/2006 13 38	Analyzed	07/20/2006 02 29	
Antimony	0.0483 D	0.0002	mg/L	0.0500	-0.00424	105	75-125		200	D
Arsenic	0.0471 D	0.001	mg/L	0.0500	-0.000116	94	75-125		200	D
Barium	0.0492 D	0.001	mg/L	0.0500	-0.00239	103	75-125		200	D
Beryllium	0.0504 D	0.0002	mg/L	0.0500	-0.000239	101	75-125		200	D
Cadmium	0.0479 D	0.0002	mg/L	0.0500	-0.00325	102	75-125		200	D
Chromium	0.0484 D	0.001	mg/L	0.0500	-0.00786	113	75-125		200	D
Cobalt	0.0508 D	0.001	mg/L	0.0500	-0.00439	110	75-125		200	D
Copper	0.0513 D	0.0003	mg/L	0.0500	-0.00408	111	75-125		200	D
Iron	0.0465 D	0.01	mg/L	0.0500	-0.00367	100	75-125		200	D
Lead	0.0480 D	0.001	mg/L	0.0500	-0.00588	108	75-125		200	D
Nickel	0.0501 D	0.001	mg/L	0.0500	-0.00423	109	75-125		200	D
Selenium	0.0455 D	0.001	mg/L	0.0500	-4.71E-5	91	75-125		200	D
Silver	0.00500 D, B	0.00005	mg/L	0.00500	4.99E-5	99	75-125		200	D B
Sodium	0.461 D	0.1	mg/L	0.500	-0.0372	100	75-125		200	D
Thallium	0.0496 D	0.0001	mg/L	0.0500	-0.00527	110	75-125		200	D
Vanadium	0.0514 D	0.001	mg/L	0.0500	-0.00487	113	75-125		200	D
Zinc	0.0495 D	0.0100	mg/L	0.0500	-0.00397	107	75-125		200	D

Post Spike (6G18006-PS2)				Source:	A603486-01	Prepared	07/20/2006 14 09	Analyzed	07/20/2006 20 52	
Antimony	0.0477 D	0.0002	mg/L	0.0500	-0.00230	100	75-125		200	D
Arsenic	0.0482 D	0.001	mg/L	0.0500	-1.02E-5	96	75-125		200	D
Barium	0.0515 D	0.001	mg/L	0.0500	0.000738	102	75-125		200	D
Beryllium	0.0497 D	0.0002	mg/L	0.0500	-0.000197	100	75-125		200	D
Cadmium	0.0489 D	0.0002	mg/L	0.0500	-0.00169	101	75-125		200	D
Chromium	0.0474 D	0.001	mg/L	0.0500	-0.00598	107	75-125		200	D
Cobalt	0.0472 D	0.001	mg/L	0.0500	-0.00426	103	75-125		200	D
Copper	0.0485 D	0.0003	mg/L	0.0500	-0.00230	102	75-125		200	D
Iron	0.0593 D	0.01	mg/L	0.0500	0.000144	118	75-125		200	D
Lead	0.0477 D	0.001	mg/L	0.0500	-0.00368	103	75-125		200	D
Nickel	0.0480 D	0.001	mg/L	0.0500	-0.00160	99	75-125		200	D
Selenium	0.0491 D	0.001	mg/L	0.0500	5.70E-5	98	75-125		200	D
Silver	0.00462 D, B	0.00005	mg/L	0.00500	-0.000148	95	75-125		200	D B
Sodium	6.66 D	0.1	mg/L	0.500	6.00	132	75-125		200	D
Thallium	0.0480 D	0.0001	mg/L	0.0500	-0.00635	109	75-125		200	D
Vanadium	0.0498 D	0.001	mg/L	0.0500	-0.00372	107	75-125		200	D
Zinc	0.0482 D	0.0100	mg/L	0.0500	-0.00260	102	75-125		200	D

Batch 6G21021 - EPA 7470A

Blank (6G21021-BLK1)				Prepared	07/22/2006 12 38	Analyzed	07/24/2006 10 51
Mercury	0.11 U	0.20	ug/L				
LCS (6G21021-BS1)				Prepared	07/22/2006 12 38	Analyzed	07/24/2006 10 54
Mercury	5.31	0.20	ug/L	5.00	106	93-111	200
Matrix Spike (6G21021-MS1)		Source: A603300-02		Prepared	07/22/2006 12 38	Analyzed	07/24/2006 11 00

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6G21021 - EPA 7470A

Matrix Spike (6G21021-MS1) Continued		Source: A603300-02		Prepared 07/22/2006 12 38		Analyzed 07/24/2006 11 00				
Mercury	5 58	0 20	ug/L	5 00	0 11 U	112	85-115		12	
Matrix Spike Dup (6G21021-MSD1)		Source: A603300-02		Prepared 07/22/2006 12 38		Analyzed 07/24/2006 11 03				
Mercury	5 63	0 20	ug/L	5 00	0 11 U	113	85-115	0 9	12	

Classical Chemistry Parameters - Quality Control

Batch 6G18013 - Default Prep GenChem

Blank (6G18013-BLK1)				Prepared 07/18/2006 18 55		Analyzed 07/19/2006 17 45	
Total Dissolved Solids	10 U	10	mg/L				
LCS (6G18013-BS1)				Prepared 07/18/2006 18 55		Analyzed 07/19/2006 17 45	
Total Dissolved Solids	302	10	mg/L	300	101	86-118	200
Duplicate (6G18013-DUP1)		Source: A603300-04		Prepared 07/18/2006 18 55		Analyzed 07/19/2006 17 45	
Total Dissolved Solids	330	10	mg/L	336		2	25

Batch 6G18016 - Default Prep GenChem

Blank (6G18016-BLK1)				Prepared 07/18/2006 12 23 Analyzed 07/18/2006 14 56					
Nitrate as N	0 008 U	0 050	mg/L						
Chloride	0 76 I	1 00	mg/L						
LCS (6G18016-BS1)				Prepared 07/18/2006 12 23 Analyzed 07/18/2006 15 16					
Nitrate as N	4 96	0 050	mg/L	5 00	99	90-110	200		
Chloride	270	1 00	mg/L	250	108	90-110	200		
Matrix Spike (6G18016-MS1)		Source: A603103-01		Prepared 07/18/2006 12 23 Analyzed 07/18/2006 15 36					
Nitrate as N	5 84	0 050	mg/L	5 10	0 479	105	40-152	23	
Chloride	301	1 00	mg/L	255	45 6	100	51-149	26	
Matrix Spike Dup (6G18016-MSD1)		Source: A603103-01		Prepared 07/18/2006 12 23 Analyzed 07/18/2006 15 55					
Nitrate as N	4 97	0 050	mg/L	5 10	0 479	88	40-152	16	23
Chloride	283	1 00	mg/L	255	45 6	93	51-149	6	26

Batch 6G27009 - NO PREP

Blank (6G27009-BLK1)				Prepared 07/27/2006 11 51 Analyzed 07/27/2006 20 45			
Ammonia as N	0 003 U	0 02	mg/L				
LCS (6G27009-BS1)				Prepared 07/27/2006 11 51 Analyzed 07/27/2006 21 25			
Ammonia as N	0 968	0 02	mg/L	1 00	97	90-110	200
Matrix Spike (6G27009-MS1)		Source A603088-01		Prepared 07/27/2006 11 51 Analyzed 07/27/2006 20 49			
Ammonia as N	0 904	0 02	mg/L	1 00	0 003 U	90	90-110 10
Matrix Spike Dup (6G27009-MSD1)		Source: A603088-01		Prepared 07/27/2006 11 51 Analyzed 07/27/2006 20 50			
Ammonia as N	0 948	0 02	mg/L	1 00	0 003 U	95	90-110 5 10

Special Notes

- [1] B = Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- [2] D = Data reported from a dilution
- [3] I = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag)
- [4] O-01 = This compound is a common laboratory contaminant.
- [5] QM-0 = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- [6] S-04 = The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect
- [7] U = Analyte included in the analysis, but not detected



10775 Central Port Dr
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-5945

1015 Passport Way
Cary NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1[illegible]

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

AUGUST 2006 RE-SAMPLE DATA

Environmental Conservation Laboratories, Inc

10775 Central Port Drive

Orlando FL, 32824

Phone 407 826 5314 FAX 407 850 6945



www.encolabs.com

Tuesday, September 12, 2006

Jones Edmunds & Associates, Inc (JO006)

Attn Lynne McDaniel

730 N E Waldo Road Bldg A

Gainesville, FL 32641

**RE: Project Number: 03860-022-01, Project Name/Desc: Citrus Co. LF
ENCO Workorder: A604241**

Dear Lynne McDaniel,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 1, 2006

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

This data has been produced in accordance with NELAC standards (June, 2003) 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 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,

A handwritten signature in black ink, reading "David M. Camacho". The signature is written in a cursive, flowing style.

David Camacho

Project Manager

Enclosure(s)



www.encolabs.com

LAB #		A604241-01	A604241-02	A604241-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	EQB-1 06SSCC-EQB1R	MW-10 06SSCC-10R	TB-1	-	-	-

Volatile Organic Compounds by GCMS (Water)

1,1,1,2-Tetrachloroethane	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
1,1,1-Trichloroethane	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
1,1,2,2-Tetrachloroethane	0.2 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
1,1,2-Trichloroethane	1 ug/L	<0.4 [6]	<0.4 [6]	<0.4 [6]	-	-	-
1,1-Dichloroethane	1 ug/L	<0.3 [6]	1	<0.3 [6]	-	-	-
1,1-Dichloroethene	1 ug/L	<0.8 [6]	<0.8 [6]	<0.8 [6]	-	-	-
1,2,3-Trichloropropane	1 ug/L	<0.3 [6]	<0.3 [6]	<0.3 [6]	-	-	-
1,2-Dichlorobenzene	1 ug/L	<0.3 [6]	<0.3 [6]	<0.3 [6]	-	-	-
1,2-Dichloroethane	1 ug/L	<0.3 [6]	<0.3 [6]	<0.3 [6]	-	-	-
1,2-Dichloropropane	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
1,4-Dichlorobenzene	1 ug/L	<0.2 [6]	4	<0.2 [6]	-	-	-
2-Butanone	5 ug/L	<1 [6]	<1 [6]	<1 [6]	-	-	-
2-Hexanone	5 ug/L	<2 [6]	<2 [6]	<2 [6]	-	-	-
4-Methyl-2-pentanone	5 ug/L	<2 [6]	<2 [6]	<2 [6]	-	-	-
Acetone	5 ug/L	<3 [6]	<3 [6]	<3 [6]	-	-	-
Acrylonitrile	2 ug/L	<2 [6]	<2 [6]	<2 [6]	-	-	-
Benzene	1 ug/L	<0.1 [6]	1	<0.1 [6]	-	-	-
Bromochloromethane	1 ug/L	<0.9 [6]	<0.9 [6]	<0.9 [6]	-	-	-
Bromodichloromethane	0.4 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
Bromoform	1 ug/L	<0.5 [6]	<0.5 [6]	<0.5 [6]	-	-	-
Bromomethane	1 ug/L	<1 [6]	<1 [6]	<1 [6]	-	-	-
Carbon disulfide	5 ug/L	<0.4 [6]	<0.4 [6]	<0.4 [6]	-	-	-
Carbon tetrachloride	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
Chlorobenzene	1 ug/L	<0.1 [6]	0.5 [3]	<0.1 [6]	-	-	-
Chloroethane	1 ug/L	<0.5 [6]	<0.5 [6]	<0.5 [6]	-	-	-
Chloroform	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
Chloromethane	1 ug/L	<0.6 [6]	<0.6 [6]	<0.6 [6]	-	-	-
cis-1,2-Dichloroethene	1 ug/L	<0.3 [6]	4	<0.3 [6]	-	-	-
cis-1,3-Dichloropropene	0.2 ug/L	<0.1 [6]	<0.1 [6]	<0.1 [6]	-	-	-
Dibromochloromethane	0.2 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
Dibromomethane	1 ug/L	<0.4 [6]	<0.4 [6]	<0.4 [6]	-	-	-
Ethylbenzene	1 ug/L	<0.3 [6]	<0.3 [6]	<0.3 [6]	-	-	-
Iodomethane	3 ug/L	<1 [6]	<1 [6]	<1 [6]	-	-	-
m,p-Xylenes	2 ug/L	<0.3 [6]	5	<0.3 [6]	-	-	-
Methylene chloride	2 ug/L	<1 [6]	5	<1 [6]	-	-	-
o-Xylene	1 ug/L	<0.6 [6]	4	<0.6 [6]	-	-	-
Styrene	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
Tetrachloroethene	1 ug/L	<0.6 [6]	<0.6 [6]	<0.6 [6]	-	-	-
Toluene	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
trans-1,2-Dichloroethene	1 ug/L	<0.8 [6]	<0.8 [6]	<0.8 [6]	-	-	-
trans-1,3-Dichloropropene	0.2 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-
trans-1,4-Dichloro-2-butene	1 ug/L	<0.5 [6]	<0.5 [6]	<0.5 [6]	-	-	-
Trichloroethene	1 ug/L	<0.3 [6]	0.5 [3]	<0.3 [6]	-	-	-
Trichlorofluoromethane	1 ug/L	<0.7 [6]	<0.7 [6]	<0.7 [6]	-	-	-
Vinyl acetate	1 ug/L	<0.2 [6]	<0.2 [6]	<0.2 [6]	-	-	-



www.encolabs.com

LAB #		A604241-01	A604241-02	A604241-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	EQB-1 06SSCC- EQB1R	MW-10 06SSCC -10R	TB-1	-	-	-

Volatile Organic Compounds by GCMS (continued)

Vinyl chloride	1 ug/L	<0.5 [6]	2	<0.5 [6]	-	-	-
Toluene-d8	132 [surr]	102%	105%	102%	-	-	-
4-Bromofluorobenzene	135 [surr]	86%	93%	88%	-	-	-
Dibromofluoromethane	149 [surr]	107%	107%	109%	-	-	-

Semivolatile Organic Compounds by GC (Water)

1,2-Dibromoethane	0.0200 ug/L	<0.0040 [6]	<0.0040 [6]	-	-	-	-
1,2-Dibromo-3-chloropropane	0.0200 ug/L	<0.0040 [6]	<0.0040 [6]	-	-	-	-
1,3-Dichlorobenzene	140 [surr]	60.8%	75.9%	-	-	-	-

Metals by EPA 6000/7000 Series Methods (Water)

Antimony	0.2 ug/L	<2 [2] [6]	11 [2]	-	-	-	-
Arsenic	1 ug/L	<2 [2] [6]	<2 [2] [6]	-	-	-	-
Barium	1 ug/L	<12 [2] [6]	13 [2]	-	-	-	-
Beryllium	0.2 ug/L	<2 [2] [6]	<2 [2] [6]	-	-	-	-
Cadmium	0.2 ug/L	<2 [2] [6]	<2 [2] [6]	-	-	-	-
Chromium	1 ug/L	<6 [2] [6]	<6 [2] [6]	-	-	-	-
Cobalt	1 ug/L	<0.4 [2] [6]	14 [2]	-	-	-	-
Copper	0.3 ug/L	<3 [2] [6]	<3 [2] [6]	-	-	-	-
Iron	10 ug/L	<36 [2] [6]	1020 [2]	-	-	-	-
Lead	1 ug/L	<3 [2] [6]	<3 [2] [6]	-	-	-	-
Mercury	0.200 ug/L	<0.110 [6]	<0.110 [6]	-	-	-	-
Nickel	1 ug/L	<3 [2] [6]	5 [2]	-	-	-	-
Selenium	1 ug/L	2 [2] [3]	4 [2] [3]	-	-	-	-
Silver	0.05 ug/L	<0.3 [2] [6]	<0.3 [2] [6]	-	-	-	-
Sodium	0.1 mg/L	<0.2 [2] [6]	5 [2]	-	-	-	-
Thallium	0.1 ug/L	<0.2 [2] [6]	<0.2 [2] [6]	-	-	-	-
Vanadium	1 ug/L	<3 [2] [6]	<3 [2] [6]	-	-	-	-
Zinc	10 ug/L	<100 [2] [6]	<100 [2] [6]	-	-	-	-

Metals (Dissolved) by EPA 6000/7000 Series Methods (Water)

Antimony	0.2 ug/L	-	<2 [2] [6]	-	-	-	-
Arsenic	1 ug/L	-	<2 [2] [6]	-	-	-	-
Barium	1 ug/L	-	<12 [2] [6]	-	-	-	-
Beryllium	0.2 ug/L	-	<2 [2] [6]	-	-	-	-
Cadmium	0.2 ug/L	-	<2 [2] [6]	-	-	-	-
Chromium	1 ug/L	-	<6 [2] [6]	-	-	-	-
Cobalt	1 ug/L	-	17 [2]	-	-	-	-
Copper	0.3 ug/L	-	<3 [2] [6]	-	-	-	-
Iron	10 ug/L	-	1010 [2]	-	-	-	-
Lead	1 ug/L	-	<3 [2] [6]	-	-	-	-
Mercury	0.20 ug/L	-	<0.11 [6]	-	-	-	-
Nickel	1 ug/L	-	7 [2] [3]	-	-	-	-
Selenium	1 ug/L	-	3 [2] [3]	-	-	-	-
Silver	0.05 ug/L	-	<0.3 [2] [6]	-	-	-	-
Sodium	100 ug/L	-	5560 [2]	-	-	-	-



www.encolabs.com

LAB #		A604241-01	A604241-02	A604241-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	EQB-1 06SSCC- EQB1R	MW-10 06SSCC -10R	TB-1	-	-	-

Metals (Dissolved) by EPA 6000/7000 Series Methods (continued)

Thallium	0.1 ug/L	-	<0.2 [2] [6]	-	-	-	-
Vanadium	1 ug/L	-	<3 [2] [6]	-	-	-	-
Zinc	10 ug/L	-	<100 [2] [6]	-	-	-	-

Classical Chemistry Parameters (Water)

Ammonia as N	0.02 mg/L	<0.003 [6]	<0.003 [6]	-	-	-	-
Chloride	1.00 mg/L	1.14 [1]	5.86 [1]	-	-	-	-
Nitrate as N	0.050 mg/L	<0.008 [6]	0.183	-	-	-	-
Total Dissolved Solids	10 mg/L	<10 [6]	30	-	-	-	-

Field Parameters (Water)

Specific Conductance (EC)	0 umhos/cm	-	60	-	-	-	-
Dissolved Oxygen	0.00 mg/L	-	0.31	-	-	-	-
pH	0.00 pH Units	-	4.70	-	-	-	-
Oxidation/Reduction Potential	mV	-	176.3	-	-	-	-
Temperature	0.00 °C	-	26.78	-	-	-	-
Turbidity	0.00 NTU	-	24.1	-	-	-	-
Depth to Water	Ft	-	107	-	-	-	-



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Volatile Organic Compounds by GCMS - Quality Control

Batch 6101009 - EPA 5030B_MS

Blank (6101009-BLK1)

Prepared 09/01/2006 11 27 Analyzed 09/01/2006 13 09

1,1,1,2-Tetrachloroethane	0.2 U	1	ug/L
1,1,1-Trichloroethane	0.2 U	1	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2	ug/L
1,1,2-Trichloroethane	0.4 U	1	ug/L
1,1-Dichloroethane	0.3 U	1	ug/L
1,1-Dichloroethene	0.8 U	1	ug/L
1,2,3-Trichloropropane	0.3 U	1	ug/L
1,2-Dichlorobenzene	0.3 U	1	ug/L
1,2-Dichloroethane	0.3 U	1	ug/L
1,2-Dichloropropane	0.2 U	1	ug/L
1,4-Dichlorobenzene	0.2 U	1	ug/L
2-Butanone	1 U	5	ug/L
2-Hexanone	2 U	5	ug/L
4-Methyl-2-pentanone	2 U	5	ug/L
Acetone	3 U	5	ug/L
Acrylonitrile	2 U	2	ug/L
Benzene	0.1 U	1	ug/L
Bromochloromethane	0.9 U	1	ug/L
Bromodichloromethane	0.2 U	0.4	ug/L
Bromoform	0.5 U	1	ug/L
Bromomethane	1 U	1	ug/L
Carbon disulfide	0.4 U	5	ug/L
Carbon tetrachloride	0.2 U	1	ug/L
Chlorobenzene	0.1 U	1	ug/L
Chloroethane	0.5 U	1	ug/L
Chloroform	0.2 U	1	ug/L
Chloromethane	0.6 U	1	ug/L
cis-1,2-Dichloroethene	0.3 U	1	ug/L
cis-1,3-Dichloropropene	0.1 U	0.2	ug/L
Dibromochloromethane	0.2 U	0.2	ug/L
Dibromomethane	0.4 U	1	ug/L
Ethylbenzene	0.3 U	1	ug/L
Iodomethane	1 U	3	ug/L
m,p-Xylenes	0.3 U	2	ug/L
Methylene chloride	1 U	2	ug/L
o-Xylene	0.6 U	1	ug/L
Styrene	0.2 U	1	ug/L
Tetrachloroethene	0.6 U	1	ug/L
Toluene	0.2 U	1	ug/L
trans-1,2-Dichloroethene	0.8 U	1	ug/L
trans-1,3-Dichloropropene	0.2 U	0.2	ug/L
trans-1,4-Dichloro-2-butene	0.5 U	1	ug/L
Trichloroethene	0.3 U	1	ug/L
Trichlorofluoromethane	0.7 U	1	ug/L
Vinyl acetate	0.2 U	1	ug/L
Vinyl chloride	0.5 U	1	ug/L



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Volatile Organic Compounds by GCMS - Quality Control

Batch 6I01009 - EPA 5030B_MS

Blank (6I01009-BLK1) Continued

Prepared 09/01/2006 11 27 Analyzed 09/01/2006 13 09

Surrogate Toluene-d8	51 9		ug/L	50 0		104	70-132			
Surrogate 4-Bromofluorobenzene	45 1		ug/L	50 0		90	60-135			
Surrogate Dibromofluoromethane	50 6		ug/L	50 0		101	52-149			

LCS (6I01009-BS1)

Prepared 09/01/2006 11 27 Analyzed 09/01/2006 21 26

1,1-Dichloroethene	25 3	1	ug/L	20 0		126	49-156			
Benzene	21 6	1	ug/L	20 0		108	64-132			
Chlorobenzene	19 4	1	ug/L	20 0		97	68-135			
Toluene	19 4	1	ug/L	20 0		97	58-132			
Trichloroethene	21 9	1	ug/L	20 0		110	66-130			

Surrogate Toluene-d8	52 6		ug/L	50 0		105	70-132			
Surrogate 4-Bromofluorobenzene	39 5		ug/L	50 0		79	60-135			
Surrogate Dibromofluoromethane	51 0		ug/L	50 0		102	52-149			

Matrix Spike (6I01009-MS1)

Source A604039-19

Prepared 09/01/2006 11 27 Analyzed 09/01/2006 13 39

1,1-Dichloroethene	25 6	1	ug/L	20 0	0 8 U	128	36-185			
Benzene	21 3	1	ug/L	20 0	0 1 U	106	65-143			
Chlorobenzene	21 7	1	ug/L	20 0	0 1 U	108	64-140			
Toluene	20 2	1	ug/L	20 0	0 2 U	101	62-144			
Trichloroethene	21 8	1	ug/L	20 0	0 3 U	109	51-152			

Surrogate Toluene-d8	52 6		ug/L	50 0		105	70-132			
Surrogate 4-Bromofluorobenzene	42 6		ug/L	50 0		85	60-135			
Surrogate Dibromofluoromethane	52 2		ug/L	50 0		104	52-149			

Matrix Spike Dup (6I01009-MSD1)

Source A604039-19

Prepared 09/01/2006 11 27 Analyzed 09/01/2006 14 08

1,1-Dichloroethene	25 7	1	ug/L	20 0	0 8 U	128	36-185	0 3	34	
Benzene	21 2	1	ug/L	20 0	0 1 U	106	65-143	0 4	25	
Chlorobenzene	21 6	1	ug/L	20 0	0 1 U	108	64-140	0 3	23	
Toluene	21 0	1	ug/L	20 0	0 2 U	105	62-144	4	24	
Trichloroethene	21 9	1	ug/L	20 0	0 3 U	110	51-152	0 6	28	

Surrogate Toluene-d8	52 7		ug/L	50 0		105	70-132			
Surrogate 4-Bromofluorobenzene	43 1		ug/L	50 0		86	60-135			
Surrogate Dibromofluoromethane	53 6		ug/L	50 0		107	52-149			

Semivolatile Organic Compounds by GC - Quality Control

Batch 6I07012 - EPA 504/8011

Blank (6I07012-BLK1)

Prepared 09/07/2006 14 42 Analyzed 09/07/2006 17 59

1,2-Dibromoethane	0 0040 U	0 0200	ug/L							
1,2-Dibromo-3-chloropropane	0 0040 U	0 0200	ug/L							

LCS (6I07012-BS1)

Prepared 09/07/2006 14 42 Analyzed 09/07/2006 18 10

1,2-Dibromoethane	0 204	0 0200	ug/L	0 250		81	60-140			
1,2-Dibromo-3-chloropropane	0 152	0 0200	ug/L	0 250		61	60-140			

Matrix Spike (6I07012-MS1)

Source A604252-04

Prepared 09/07/2006 14 42 Analyzed 09/07/2006 18 20

1,2-Dibromoethane	0 248	0 0200	ug/L	0 250	0 0040 U	99	65-135			
1,2-Dibromo-3-chloropropane	0 203	0 0200	ug/L	0 250	0 0040 U	81	65-135			

Matrix Spike Dup (6I07012-MSD1)

Source A604252-04

Prepared 09/07/2006 14 42 Analyzed 09/07/2006 18 31

1,2-Dibromoethane	0 209	0 0200	ug/L	0 250	0 0040 U	84	65-135	17	18	
1,2-Dibromo-3-chloropropane	0 256 QR-02	0 0200	ug/L	0 250	0 0040 U	102	65-135	23	20	QR-02

Metals by EPA 6000/7000 Series Methods - Quality Control



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6I07003 - EPA 3005A

Blank (6I07003-BLK1)

Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 40

Antimony	0.2 U	0.2	ug/L
Arsenic	0.2 U	1	ug/L
Barium	1 U	1	ug/L
Beryllium	0.2 U	0.2	ug/L
Cadmium	0.2 U	0.2	ug/L
Chromium	0.6 U	1	ug/L
Cobalt	0.04 U	1	ug/L
Copper	0.3 U	0.3	ug/L
Iron	4 U	10	ug/L
Lead	0.3 U	1	ug/L
Nickel	0.3 U	1	ug/L
Selenium	0.2 U	1	ug/L
Silver	0.03 U	0.05	ug/L
Sodium	0.02 U	0.1	mg/L
Thallium	0.02 U	0.1	ug/L
Vanadium	0.3 U	1	ug/L
Zinc	10 U	10	ug/L

LCS (6I07003-BS1)

Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 45

Antimony	50.8	0.2	ug/L	50.0	102	85-115
Arsenic	46.1	1	ug/L	50.0	92	85-115
Barium	51.5	1	ug/L	50.0	103	85-115
Beryllium	50.4	0.2	ug/L	50.0	101	85-115
Cadmium	48.2	0.2	ug/L	50.0	96	85-115
Chromium	54.6	1	ug/L	50.0	109	85-115
Cobalt	50.7	1	ug/L	50.0	101	85-115
Copper	49.2	0.3	ug/L	50.0	98	85-115
Iron	51.5	10	ug/L	50.0	103	85-115
Lead	51.6	1	ug/L	50.0	103	85-115
Nickel	51.5	1	ug/L	50.0	103	85-115
Selenium	44.3	1	ug/L	50.0	89	85-115
Silver	4.81	0.05	ug/L	5.00	96	85-115
Sodium	0.492	0.1	mg/L	0.500	98	85-115
Thallium	50.3	0.1	ug/L	50.0	101	85-115
Vanadium	52.5	1	ug/L	50.0	105	85-115
Zinc	47.5	10	ug/L	50.0	95	85-115

Matrix Spike (6I07003-MS1)

Source A604241-02

Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 58

Antimony	515 D	2	ug/L	500	10.6	101	70-130	D
Arsenic	471 D	10	ug/L	500	2 U	94	70-130	D
Barium	523 D	12	ug/L	500	13.0	102	70-130	D
Beryllium	500 D	2	ug/L	500	2 U	100	70-130	D
Cadmium	485 D	2	ug/L	500	2 U	97	70-130	D
Chromium	497 D	10	ug/L	500	6 U	99	70-130	D
Cobalt	524 D	10	ug/L	500	13.6	102	70-130	D
Copper	502 D	3	ug/L	500	3 U	100	70-130	D
Iron	1500 D	100	ug/L	500	1020	96	70-130	D
Lead	524 D	10	ug/L	500	3 U	105	70-130	D
Nickel	521 D	10	ug/L	500	5.49	103	70-130	D
Selenium	463 D	10	ug/L	500	4.37	92	70-130	D
Silver	51.2 D	0.5	ug/L	50.0	0.3 U	102	70-130	D



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6I07003 - EPA 3005A

Matrix Spike (6I07003-MS1) Continued				Source A604241-02		Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 58				
Sodium	10 4 D	1	mg/L	5 00	5 49	99	70-130			D
Thallium	518 D	1	ug/L	500	0 2 U	104	70-130			D
Vanadium	529 D	10	ug/L	500	3 U	106	70-130			D
Zinc	512 D	100	ug/L	500	100 U	102	70-130			D
Matrix Spike Dup (6I07003-MSD1)				Source A604241-02		Prepared 09/07/2006 15 05 Analyzed 09/08/2006 19 05				
Antimony	526 D	2	ug/L	500	10 6	103	70-130	2	20	D
Arsenic	468 D	10	ug/L	500	2 U	94	70-130	0 6	20	D
Barium	530 D	12	ug/L	500	13 0	103	70-130	1	20	D
Beryllium	518 D	2	ug/L	500	2 U	104	70-130	4	20	D
Cadmium	492 D	2	ug/L	500	2 U	98	70-130	1	20	D
Chromium	499 D	10	ug/L	500	6 U	100	70-130	0 4	20	D
Cobalt	528 D	10	ug/L	500	13 6	103	70-130	0 9	20	D
Copper	501 D	3	ug/L	500	3 U	100	70-130	0 2	20	D
Iron	1480 D	100	ug/L	500	1020	92	70-130	1	20	D
Lead	526 D	10	ug/L	500	3 U	105	70-130	0 4	20	D
Nickel	528 D	10	ug/L	500	5 49	104	70-130	1	20	D
Selenium	451 D	10	ug/L	500	4 37	89	70-130	3	20	D
Silver	51 0 D	0 5	ug/L	50 0	0 3 U	102	70-130	0 5	20	D
Sodium	10 7 D	1	mg/L	5 00	5 49	105	70-130	3	20	D
Thallium	517 D	1	ug/L	500	0 2 U	103	70-130	0 2	20	D
Vanadium	526 D	10	ug/L	500	3 U	105	70-130	0 6	20	D
Zinc	507 D	100	ug/L	500	100 U	101	70-130	0 8	20	D
Post Spike (6I07003-PS1)				Source A604241-02		Prepared 09/08/2006 14 00 Analyzed 09/08/2006 19 12				
Antimony	0 0498 D	0 0002	mg/L	0 0495	0 00105	98	75-125			D
Arsenic	0 0462 D	0 001	mg/L	0 0495	-3 66E-5	93	75-125			D
Barium	0 0508 D	0 001	mg/L	0 0495	0 00129	100	75-125			D
Beryllium	0 0479 D	0 0002	mg/L	0 0495	8 68E-5	97	75-125			D
Cadmium	0 0461 D	0 0002	mg/L	0 0495	1 45E-5	93	75-125			D
Chromium	0 0489 D	0 001	mg/L	0 0495	6 71E-5	99	75-125			D
Cobalt	0 0502 D	0 001	mg/L	0 0495	0 00135	99	75-125			D
Copper	0 0480 D	0 0003	mg/L	0 0495	-0 00112	99	75-125			D
Iron	0 149 D	0 01	mg/L	0 0495	0 101	98	75-125			D
Lead	0 0491 D	0 001	mg/L	0 0495	-0 000104	99	75-125			D
Nickel	0 0500 D	0 001	mg/L	0 0495	0 000544	100	75-125			D
Selenium	0 0439 D	0 001	mg/L	0 0495	0 000432	88	75-125			D
Silver	0 00483 D	0 00005	mg/L	0 00495	1 57E-5	97	75-125			D
Sodium	0 959 D	0 1	mg/L	0 495	0 544	84	75-125			D
Thallium	0 0483 D	0 0001	mg/L	0 0495	3 02E-6	98	75-125			D
Vanadium	0 0498 D	0 001	mg/L	0 0495	6 73E-6	101	75-125			D
Zinc	0 0491 D	0 0100	mg/L	0 0495	0 00214	95	75-125			D

Batch 6I08007 - EPA 7470A

Blank (6I08007-BLK1)				Prepared 09/08/2006 12 20 Analyzed 09/11/2006 07 16						
Mercury	0 11 U	0 20	ug/L							
LCS (6I08007-BS1)				Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 25						
Mercury	8 30 D	0 40	ug/L	8 00		104	93-111			D
Matrix Spike (6I08007-MS1)				Source A604241-01		Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 41				
Mercury	8 54 D	0 40	ug/L	8 00	0 22 U	107	85-115			D
Matrix Spike Dup (6I08007-MSD1)				Source A604241-01		Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 45				



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6I08007 - EPA 7470A

Matrix Spike Dup (6I08007-MSD1) Continued Source A604241-01 Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 45

Mercury	8 50 D	0 40	ug/L	8 00	0 22 U	106	85-115	0 5	12	D
---------	--------	------	------	------	--------	-----	--------	-----	----	---

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 6I07003 - EPA 3005A

Blank (6I07003-BLK1) Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 40

Antimony	0 2 U	0 2	ug/L
Arsenic	0 2 U	1	ug/L
Barium	1 U	1	ug/L
Beryllium	0 2 U	0 2	ug/L
Cadmium	0 2 U	0 2	ug/L
Chromium	0 6 U	1	ug/L
Cobalt	0 04 U	1	ug/L
Copper	0 3 U	0 3	ug/L
Iron	4 U	10	ug/L
Lead	0 3 U	1	ug/L
Nickel	0 3 U	1	ug/L
Selenium	0 2 U	1	ug/L
Silver	0 03 U	0 05	ug/L
Sodium	19 U	100	ug/L
Thallium	0 02 U	0 1	ug/L
Vanadium	0 3 U	1	ug/L
Zinc	10 U	10	ug/L

LCS (6I07003-BS1) Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 45

Antimony	50 8	0 2	ug/L	50 0	102	85-115
Arsenic	46 1	1	ug/L	50 0	92	85-115
Barium	51 5	1	ug/L	50 0	103	85-115
Beryllium	50 4	0 2	ug/L	50 0	101	85-115
Cadmium	48 2	0 2	ug/L	50 0	96	85-115
Chromium	54 6	1	ug/L	50 0	109	85-115
Cobalt	50 7	1	ug/L	50 0	101	85-115
Copper	49 2	0 3	ug/L	50 0	98	85-115
Iron	51 5	10	ug/L	50 0	103	85-115
Lead	51 6	1	ug/L	50 0	103	85-115
Nickel	51 5	1	ug/L	50 0	103	85-115
Selenium	44 3	1	ug/L	50 0	89	85-115
Silver	4 81	0 05	ug/L	5 00	96	85-115
Sodium	492	100	ug/L	500	98	85-115
Thallium	50 3	0 1	ug/L	50 0	101	85-115
Vanadium	52 5	1	ug/L	50 0	105	85-115
Zinc	47 5	10	ug/L	50 0	95	85-115

Matrix Spike (6I07003-MS1) Source A604241-02 Prepared 09/07/2006 15 05 Analyzed 09/08/2006 18 58

Antimony	515 D	2	ug/L	500	2 U	103	70-130	D
Arsenic	471 D	10	ug/L	500	2 U	94	70-130	D
Barium	523 D	12	ug/L	500	12 U	105	70-130	D
Beryllium	500 D	2	ug/L	500	2 U	100	70-130	D
Cadmium	485 D	2	ug/L	500	2 U	97	70-130	D
Chromium	497 D	10	ug/L	500	6 U	99	70-130	D
Cobalt	524 D	10	ug/L	500	17 3	101	70-130	D
Copper	502 D	3	ug/L	500	3 U	100	70-130	D



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 6I07003 - EPA 3005A

Matrix Spike (6I07003-MS1) Continued				Source A604241-02		Prepared 09/07/2006 15 05		Analyzed 09/08/2006 18 58		
Iron	1500 D	100	ug/L	500	1010	98	70-130			D
Lead	524 D	10	ug/L	500	3 U	105	70-130			D
Nickel	521 D	10	ug/L	500	6 81	103	70-130			D
Selenium	463 D	10	ug/L	500	3 16	92	70-130			D
Silver	51 2 D	0 5	ug/L	50 0	0 3 U	102	70-130			D
Sodium	10400 D	1000	ug/L	5000	5560	97	70-130			D
Thallium	518 D	1	ug/L	500	0 2 U	104	70-130			D
Vanadium	529 D	10	ug/L	500	3 U	106	70-130			D
Zinc	512 D	100	ug/L	500	100 U	102	70-130			D

Matrix Spike Dup (6I07003-MSD1)				Source A604241-02		Prepared 09/07/2006 15 05		Analyzed 09/08/2006 19 05		
Antimony	526 D	2	ug/L	500	2 U	105	70-130	2	20	D
Arsenic	468 D	10	ug/L	500	2 U	94	70-130	0 6	20	D
Barium	530 D	12	ug/L	500	12 U	106	70-130	1	20	D
Beryllium	518 D	2	ug/L	500	2 U	104	70-130	4	20	D
Cadmium	492 D	2	ug/L	500	2 U	98	70-130	1	20	D
Chromium	499 D	10	ug/L	500	6 U	100	70-130	0 4	20	D
Cobalt	528 D	10	ug/L	500	17 3	102	70-130	0 9	20	D
Copper	501 D	3	ug/L	500	3 U	100	70-130	0 2	20	D
Iron	1480 D	100	ug/L	500	1010	94	70-130	1	20	D
Lead	526 D	10	ug/L	500	3 U	105	70-130	0 4	20	D
Nickel	528 D	10	ug/L	500	6 81	104	70-130	1	20	D
Selenium	451 D	10	ug/L	500	3 16	89	70-130	3	20	D
Silver	51 0 D	0 5	ug/L	50 0	0 3 U	102	70-130	0 5	20	D
Sodium	10700 D	1000	ug/L	5000	5560	104	70-130	3	20	D
Thallium	517 D	1	ug/L	500	0 2 U	103	70-130	0 2	20	D
Vanadium	526 D	10	ug/L	500	3 U	105	70-130	0 6	20	D
Zinc	507 D	100	ug/L	500	100 U	101	70-130	0 8	20	D

Post Spike (6I07003-PS1)				Source A604241-02		Prepared 09/08/2006 14 00		Analyzed 09/08/2006 19 12		
Antimony	0 0498 D	0 0002	mg/L	0 0495	-5 94E-8	101	75-125			D
Arsenic	0 0462 D	0 001	mg/L	0 0495	-2 33E-6	93	75-125			D
Barium	0 0508 D	0 001	mg/L	0 0495	0 00110	100	75-125			D
Beryllium	0 0479 D	0 0002	mg/L	0 0495	1 95E-5	97	75-125			D
Cadmium	0 0461 D	0 0002	mg/L	0 0495	1 64E-5	93	75-125			D
Chromium	0 0489 D	0 001	mg/L	0 0495	5 41E-5	99	75-125			D
Cobalt	0 0502 D	0 001	mg/L	0 0495	0 00171	98	75-125			D
Copper	0 0480 D	0 0003	mg/L	0 0495	-0 000808	99	75-125			D
Iron	0 149 D	0 01	mg/L	0 0495	0 100	99	75-125			D
Lead	0 0491 D	0 001	mg/L	0 0495	-9 99E-5	99	75-125			D
Nickel	0 0500 D	0 001	mg/L	0 0495	0 000674	100	75-125			D
Selenium	0 0439 D	0 001	mg/L	0 0495	0 000312	88	75-125			D
Silver	0 00483 D	0 00005	mg/L	0 00495	9 27E-6	97	75-125			D
Sodium	0 959 D	0 1	mg/L	0 495	0 550	82	75-125			D
Thallium	0 0483 D	0 0001	mg/L	0 0495	-2 28E-7	98	75-125			D
Vanadium	0 0498 D	0 001	mg/L	0 0495	-8 82E-6	101	75-125			D
Zinc	0 0491 D	0 0100	mg/L	0 0495	0 00271	94	75-125			D

Batch 6I08007 - EPA 7470A

Blank (6I08007-BLK1)				Prepared 09/08/2006 12 20		Analyzed 09/11/2006 07 16				
Mercury	0 11 U	0 20	ug/L							



www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control*Batch 6I08007 - EPA 7470A*

LCS (6I08007-BS1)				Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 25						
Mercury	8 30 D	0 40	ug/L	8 00		104	93-111			D
Matrix Spike (6I08007-MS1)				Source A604241-01 Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 41						
Mercury	8 54 D	0 40	ug/L	8 00	0 22 U	107	85-115			D
Matrix Spike Dup (6I08007-MSD1)				Source A604241-01 Prepared 09/08/2006 12 20 Analyzed 09/11/2006 08 45						
Mercury	8 50 D	0 40	ug/L	8 00	0 22 U	106	85-115	0 5	12	D

Classical Chemistry Parameters - Quality Control*Batch 6I01015 - Default Prep GenChem*

Blank (6I01015-BLK1)				Prepared 09/01/2006 11 42 Analyzed 09/02/2006 03 19						
Nitrate as N	0 008 U	0 050	mg/L							
Chloride	1 12 B	1 00	mg/L							B
LCS (6I01015-BS1)				Prepared 09/01/2006 11 42 Analyzed 09/02/2006 03 34						
Nitrate as N	5 12	0 050	mg/L	5 00		102	90-110			
Chloride	275 B	1 00	mg/L	250		110	90-110			B
Matrix Spike (6I01015-MS1)				Source A603675-01 Prepared 09/01/2006 11 42 Analyzed 09/02/2006 03 49						
Nitrate as N	10 2	0 050	mg/L	5 10	0 260	195	40-152			
Chloride	238 B	1 00	mg/L	255	60 0	70	51-149			B
Matrix Spike Dup (6I01015-MSD1)				Source A603675-01 Prepared 09/01/2006 11 42 Analyzed 09/02/2006 04 03						
Nitrate as N	10 3	0 050	mg/L	5 10	0 260	196	40-152	0 6	23	
Chloride	241 B	1 00	mg/L	255	60 0	71	51-149	1	26	B

Batch 6I05003 - Default Prep GenChem

Blank (6I05003-BLK1)				Prepared 09/05/2006 08 31 Analyzed 09/06/2006 17 05						
Total Dissolved Solids	10 U	10	mg/L							
LCS (6I05003-BS1)				Prepared 09/05/2006 08 31 Analyzed 09/06/2006 17 05						
Total Dissolved Solids	300	10	mg/L	300		100	86-118			
Duplicate (6I05003-DUP1)				Source A603682-01 Prepared 09/05/2006 08 31 Analyzed 09/06/2006 17 05						
Total Dissolved Solids	436	10	mg/L		440			0 9	25	

Batch 6I11007 - NO PREP

Blank (6I11007-BLK1)				Prepared 09/11/2006 09 55 Analyzed 09/11/2006 15 20						
Ammonia as N	0 003 U	0 02	mg/L							
LCS (6I11007-BS1)				Prepared 09/11/2006 09 55 Analyzed 09/11/2006 15 21						
Ammonia as N	1 04	0 02	mg/L	1 00		104	90-110			
Matrix Spike (6I11007-MS1)				Source A604241-02 Prepared 09/11/2006 09 55 Analyzed 09/11/2006 15 24						
Ammonia as N	0 901 QL-01	0 02	mg/L	1 00	0 003 U	90	90-110			QL-01
Matrix Spike Dup (6I11007-MSD1)				Source A604241-02 Prepared 09/11/2006 09 55 Analyzed 09/11/2006 15 25						
Ammonia as N	0 885 QL-01	0 02	mg/L	1 00	0 003 U	88	90-110	2	10	QL-01



Special Notes

- [1] B = Analyte is found in the associated blank as well as in the sample (CLP B-flag)
- [2] D = Data reported from a dilution
- [3] I = Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag)
- [4] QL-01 = Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values
- [5] QR-02 = The RPD result exceeded the QC control limits, however, both percent recoveries were acceptable Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data
- [6] U = Analyte included in the analysis, but not detected

Laboratory Certification Summary

Analysis	Matrix	Cert ID	Cert Number
8011	Water	NELAC	E83182
8260B Appendix 1	Water	NELAC	E83182
Ammonia 350 1	Water	NELAC	E83182
Antimony Dissolved EPA 6020	Water	NELAC	E83182
Antimony Total EPA 6020	Water	NELAC	E83182
Arsenic Dissolved EPA 6020	Water	NELAC	E83182
Arsenic Total EPA 6020	Water	NELAC	E83182
Barium Dissolved EPA 6020	Water	NELAC	E83182
Barium Total EPA 6020	Water	NELAC	E83182
Beryllium Dissolved EPA 6020	Water	NELAC	E83182
Beryllium Total EPA 6020	Water	NELAC	E83182
Cadmium Dissolved EPA 6020	Water	NELAC	E83182
Cadmium Total EPA 6020	Water	NELAC	E83182
Chloride 300	Water	NELAC	E83182
Chromium Dissolved EPA 6020	Water	NELAC	E83182
Chromium Total EPA 6020	Water	NELAC	E83182
Cobalt Dissolved EPA 6020	Water	NELAC	E83182
Cobalt Total EPA 6020	Water	NELAC	E83182
Copper Dissolved EPA 6020	Water	NELAC	E83182
Copper Total EPA 6020	Water	NELAC	E83182
Iron Dissolved EPA 6020	Water	NELAC	E83182
Iron Total EPA 6020	Water	NELAC	E83182
Lead Dissolved EPA 6020	Water	NELAC	E83182
Lead Total EPA 6020	Water	NELAC	E83182
Mercury Dissolved EPA 7470A	Water	NELAC	E83182
Mercury Total EPA 7470A	Water	NELAC	E83182
Nickel Dissolved EPA 6020	Water	NELAC	E83182
Nickel Total EPA 6020	Water	NELAC	E83182
Nitrate as N 300	Water	NELAC	E83182
Selenium Dissolved EPA 6020	Water	NELAC	E83182
Selenium Total EPA 6020	Water	NELAC	E83182
Silver Dissolved EPA 6020	Water	NELAC	E83182
Silver Total EPA 6020	Water	NELAC	E83182
Sodium Dissolved EPA 6020	Water	NELAC	E83182
Sodium Total EPA 6020	Water	NELAC	E83182
TDS 160 1	Water	NELAC	E83182
Thallium Dissolved EPA 6020	Water	NELAC	E83182
Thallium Total EPA 6020	Water	NELAC	E83182
Vanadium Dissolved EPA 6020	Water	NELAC	E83182
Vanadium Total EPA 6020	Water	NELAC	E83182
Zinc Dissolved EPA 6020	Water	NELAC	E83182
Zinc Total EPA 6020	Water	NELAC	E83182