Environmental Compliance and Remediation

Babb & Associates, P.A.

December 13, 2010

Mr. Ervin Lane, Hydrogeologist
Field Operations Branch
NC Solid Waste Section
Mail Service Center 1646
Raleigh, North Carolina 27699-1646

Re: 2010 Second Semi-Annual Water Quality Monitoring Results
Westside C&D Facility – Permit No. 98-09
Wilson, North Carolina

Dear Ervin:

Babb & Associates, P.A. has completed the 2010 second semi-annual sampling event at the Westside C&D facility in Wilson County, North Carolina. On November 16, 2010, four groundwater monitoring wells were sampled and analyzed for volatile organics by EPA Method 8260 and inorganic compounds by EPA Method 6010B. A site map that identifies sample locations and provides the potentiometric surface of the shallow groundwater is attached as Figure 1.

No volatile organic compounds were detected in any of the monitoring wells above the Solid Waste Section Limits (SWSLs). Seven inorganic compounds were detected in three of the groundwater monitoring wells above the SWSLs. Monitoring well GMW-1 (upgradient monitoring well) reported concentrations of arsenic (0.0223 mg/l), beryllium (0.00118 mg/l), chromium (0.0177), cobalt (0.0207 mg/l), copper (0.0141 mg/l), vanadium (0.039 mg/l), and zinc (0.0599 mg/l). The concentrations of arsenic and chromium in the MW-1 background monitoring well exceeds the 2L Groundwater Standards of 0.01 mg/l and 0.01 mg/l, respectively.

The inorganic laboratory results for GMW-2 reported concentrations of cobalt (0.0233 mg/l) and zinc (0.0156 mg/l) above the SWSLs. The reported results for GMW-3 indicated concentrations of beryllium (0.00166 mg/l) and zinc (0.0426 mg/l) above the SWSLs. These reported concentrations of inorganic compounds above the SWSLs in GMW-2 and GMW-3 are all below the established 2L Groundwater Standards. The laboratory results of inorganic compounds for monitoring well GMW-4 reported no concentrations above the SWSLs.

P.O. Box 37697
Raleigh, NC 27627
(919) 325-0696

No other parameters were detected at concentrations equaling or exceeding the Solid Waste Section Limits in the groundwater samples collected. The groundwater laboratory analytical results and field parameters are summarized on Table 1. The laboratory analytical report, lab data summary table, and site map (Figure 1) are provided with this report.

If there are any questions regarding the attached information, please contact the undersigned at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.

Gary D. Babb

NORTH CAROLINA
SEAL
488
GEOLOGIST
GARY D. BABB

Gary D. Babb, P.G.
President

Attachments

cc: Mr. Andy Davis, Director
Wilson County Solid Waste

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Babb & Associates, P.A.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Gary D. Babb Phone: (919) 325-0696

E-mail: gbabb@nc.rr.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Westside C&D Facility	4537 Landfill Road Wilson, NC	98-09	.1600	November 15-16, 2010

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

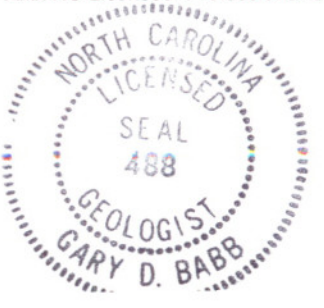
Gary D. Babb | Licensed Geologist | (919) 325-0696

Facility Representative Name (Print) | Title | (Area Code) Telephone Number

Gary D. Babb 12-13-2010

Signature | Date

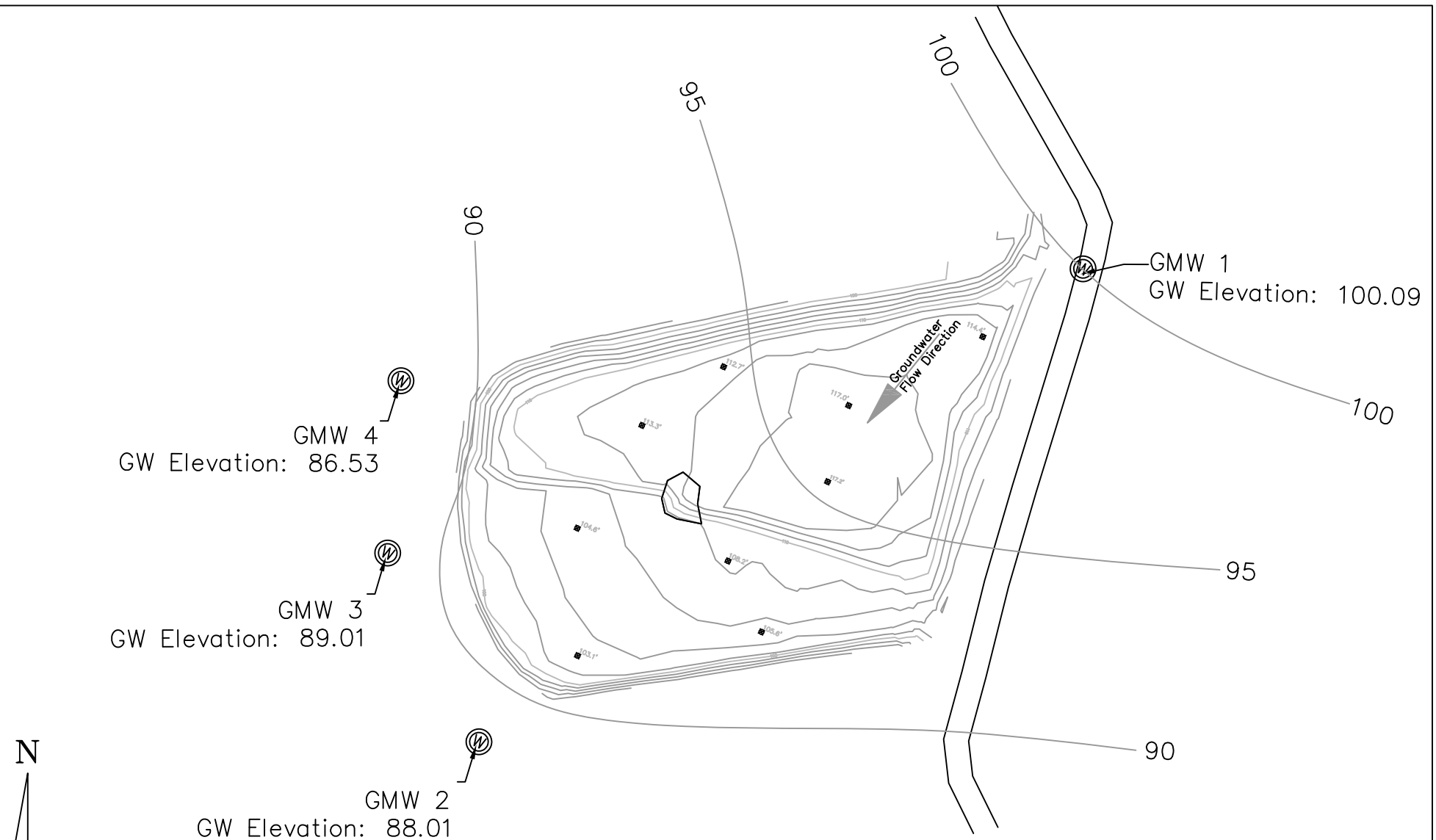
Affix NC Licensed/ Professional Geologist Seal



Babb & Associates, P.A., P.O. Box 37697, Raleigh, NC 27627

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)



Babb & Associates, P.A.

TITLE:	FIGURE NO:	SCALE:	PROJECT NO:
SITE MAP Westside C&D Landfill Wilson County Wilson, North Carolina	Figure 1		
	CHECKED BY:	DRAWN BY: G. Babb	DATE: 11/16/10

TABLE 1

Novmerber 2010 Groundwater Analytical Results
Westside CDLF Facility
Wilson County, North Carolina
Permit No. 98-09

Parameter	GMW-1	GMW-2	GMW-3	GMW-4	2L Standard
pH	6.3	7.1	5.8	6.6	6.5 - 8.5
Conductivity	136	157	26	111	
Temperature	17.1	16.8	16.7	18.7	
Inorganics (mg/l)					
Arsenic	**0.0223**	BQL	BQL	BQL	0.01
Barium	0.955 J	0.0701 J	0.0892 J	0.0578 J	0.7
Beryllium	**0.00118**	BQL	**0.00166**	BQL	NE
Cadmium	BQL	BQL	BQL	BQL	0.002
Chromium	**0.0177 B**	0.00327 JB	0.00339 JB	0.00361 JB	0.01
Cobalt	**0.0207**	**0.0233**	0.00617 J	BQL	NE
Copper	**0.0141 B**	0.00350 JB	0.00463 JB	0.00433 JB	1.0
Lead	0.00833 J	BQL	0.00963 J	BQL	0.015
Nickel	0.0267 J	0.00540 J	0.0117 J	BQL	0.001
Selenium	0.00349 J	BQL	BQL	BQL	0.02
Silver	BQL	0.00101 JB	BQL	BQL	0.02
Vanadium	**0.0390**	BQL	0.00118 J	BQL	NE
Zinc	**0.0599 B**	**0.0156 B**	**0.0426 B**	0.00786 JB	1.0
8260 volatiles (ug/l)					
Acetone	18.7 J	2.75 J	BQL	BQL	6000
2-Butanone	1.63 J	BQL	BQL	BQL	4000
Methylene chloride	BQL	0.260 J	0.470 J	0.330 J	5.0

Notes:
Samples collected on November 16, 2010
Inorganic results reported in parts per million
8260 volatile results reported in parts per billion
BQL = Below Laboratory Quanitation Limits
Bold concentrations equal or exceed laboratory quantitation limits
Shaded concentrations equal or exceed established 2L Standards
J - Between MDL and RL
B - Amound in Prep Blank > MDL

Gary Babb
Babb & Associate
P.O. Box 37697
Raleigh, NC 27627

Report Number: G121-448

Client Project: Wilson Co. C&D

Dear Gary Babb,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Michael Feye 12/2/10

Project Manager Date
for Lori Lockamy

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

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Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-1
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-1B
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:11
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	**18.7**	100	2.18	1	11/29/2010	J
Acetonitrile	BQL	55.0	2.58	1	11/29/2010	
Acrylonitrile	BQL	200	2.93	1	11/29/2010	
Benzene	BQL	1.00	0.0650	1	11/29/2010	
Bromochloromethane	BQL	3.00	0.101	1	11/29/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	11/29/2010	
Bromoform	BQL	3.00	0.120	1	11/29/2010	
Bromomethane	BQL	10.0	0.133	1	11/29/2010	
2-butanone	**1.63**	100	0.544	1	11/29/2010	J
Carbon disulfide	BQL	100	0.0690	1	11/29/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	11/29/2010	
Chlorobenzene	BQL	3.00	0.0820	1	11/29/2010	
Chloroethane	BQL	10.0	0.106	1	11/29/2010	
Chloroform	BQL	5.00	0.0790	1	11/29/2010	
Chloromethane	BQL	1.00	0.146	1	11/29/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	11/29/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	11/29/2010	
Dibromomethane	BQL	10.0	0.113	1	11/29/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	11/29/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	11/29/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	11/29/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	11/29/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	11/29/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	11/29/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	11/29/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	11/29/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	11/29/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	11/29/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	11/29/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	11/29/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/29/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/29/2010	
Ethylbenzene	BQL	1.00	0.0770	1	11/29/2010	
2-hexanone	BQL	50.0	0.720	1	11/29/2010	
Iodomethane	BQL	10.0	0.0420	1	11/29/2010	
Methylene chloride	BQL	1.00	0.0980	1	11/29/2010	
4-methyl-2-pentanone	BQL	100	0.550	1	11/29/2010	
Styrene	BQL	1.00	0.0850	1	11/29/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	11/29/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	11/29/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	11/29/2010	
Toluene	BQL	1.00	0.0760	1	11/29/2010	
Trichloroethene	BQL	1.00	0.0540	1	11/29/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	11/29/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	11/29/2010	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-1
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-1B
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:11
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	11/29/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	11/29/2010	
Vinyl acetate	BQL	50.0	0.100	1	11/29/2010	
Vinyl chloride	BQL	1.00	0.149	1	11/29/2010	
Total Xylene	BQL	5.00	0.0650	1	11/29/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	29.9	100
Toluene-d8	30	28.5	95
4-Bromofluorobenzene	30	28.4	95

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____ Reviewed By: _____

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-2
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-2A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:33
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	**2.75**	100	2.18	1	11/24/2010	J
Acetonitrile	BQL	55.0	2.58	1	11/24/2010	
Acrylonitrile	BQL	200	2.93	1	11/24/2010	
Benzene	BQL	1.00	0.0650	1	11/24/2010	
Bromochloromethane	BQL	3.00	0.101	1	11/24/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	11/24/2010	
Bromoform	BQL	3.00	0.120	1	11/24/2010	
Bromomethane	BQL	10.0	0.133	1	11/24/2010	
2-butanone	BQL	100	0.544	1	11/24/2010	
Carbon disulfide	BQL	100	0.0690	1	11/24/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	11/24/2010	
Chlorobenzene	BQL	3.00	0.0820	1	11/24/2010	
Chloroethane	BQL	10.0	0.106	1	11/24/2010	
Chloroform	BQL	5.00	0.0790	1	11/24/2010	
Chloromethane	BQL	1.00	0.146	1	11/24/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	11/24/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	11/24/2010	
Dibromomethane	BQL	10.0	0.113	1	11/24/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	11/24/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	11/24/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	11/24/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	11/24/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	11/24/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	11/24/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	11/24/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	11/24/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	11/24/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	11/24/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
Ethylbenzene	BQL	1.00	0.0770	1	11/24/2010	
2-hexanone	BQL	50.0	0.720	1	11/24/2010	
Iodomethane	BQL	10.0	0.0420	1	11/24/2010	
Methylene chloride	**0.260**	1.00	0.0980	1	11/24/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	11/24/2010	
Styrene	BQL	1.00	0.0850	1	11/24/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	11/24/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	11/24/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	11/24/2010	
Toluene	BQL	1.00	0.0760	1	11/24/2010	
Trichloroethene	BQL	1.00	0.0540	1	11/24/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	11/24/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	11/24/2010	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-2
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-2A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:33
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	11/24/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	11/24/2010	
Vinyl acetate	BQL	50.0	0.100	1	11/24/2010	
Vinyl chloride	BQL	1.00	0.149	1	11/24/2010	
Total Xylene	BQL	5.00	0.0650	1	11/24/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	30.3	101
Toluene-d8	30	28.7	96
4-Bromofluorobenzene	30	28.1	94

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____ Reviewed By: _____

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-3
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-3A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:46
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	11/24/2010	
Acetonitrile	BQL	55.0	2.58	1	11/24/2010	
Acrylonitrile	BQL	200	2.93	1	11/24/2010	
Benzene	BQL	1.00	0.0650	1	11/24/2010	
Bromochloromethane	BQL	3.00	0.101	1	11/24/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	11/24/2010	
Bromoform	BQL	3.00	0.120	1	11/24/2010	
Bromomethane	BQL	10.0	0.133	1	11/24/2010	
2-butanone	BQL	100	0.544	1	11/24/2010	
Carbon disulfide	BQL	100	0.0690	1	11/24/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	11/24/2010	
Chlorobenzene	BQL	3.00	0.0820	1	11/24/2010	
Chloroethane	BQL	10.0	0.106	1	11/24/2010	
Chloroform	BQL	5.00	0.0790	1	11/24/2010	
Chloromethane	BQL	1.00	0.146	1	11/24/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	11/24/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	11/24/2010	
Dibromomethane	BQL	10.0	0.113	1	11/24/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	11/24/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	11/24/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	11/24/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	11/24/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	11/24/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	11/24/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	11/24/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	11/24/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	11/24/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	11/24/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
Ethylbenzene	BQL	1.00	0.0770	1	11/24/2010	
2-hexanone	BQL	50.0	0.720	1	11/24/2010	
Iodomethane	BQL	10.0	0.0420	1	11/24/2010	
Methylene chloride	**0.470**	1.00	0.0980	1	11/24/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	11/24/2010	
Styrene	BQL	1.00	0.0850	1	11/24/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	11/24/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	11/24/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	11/24/2010	
Toluene	BQL	1.00	0.0760	1	11/24/2010	
Trichloroethene	BQL	1.00	0.0540	1	11/24/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	11/24/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	11/24/2010	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-3
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-3A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:46
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	11/24/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	11/24/2010	
Vinyl acetate	BQL	50.0	0.100	1	11/24/2010	
Vinyl chloride	BQL	1.00	0.149	1	11/24/2010	
Total Xylene	BQL	5.00	0.0650	1	11/24/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	30.3	101
Toluene-d8	30	28.2	94
4-Bromofluorobenzene	30	29.1	97

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: BWS

Reviewed By: [signature]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-4
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-4A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:54
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	11/24/2010	
Acetonitrile	BQL	55.0	2.58	1	11/24/2010	
Acrylonitrile	BQL	200	2.93	1	11/24/2010	
Benzene	BQL	1.00	0.0650	1	11/24/2010	
Bromochloromethane	BQL	3.00	0.101	1	11/24/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	11/24/2010	
Bromoform	BQL	3.00	0.120	1	11/24/2010	
Bromomethane	BQL	10.0	0.133	1	11/24/2010	
2-butanone	BQL	100	0.544	1	11/24/2010	
Carbon disulfide	BQL	100	0.0690	1	11/24/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	11/24/2010	
Chlorobenzene	BQL	3.00	0.0820	1	11/24/2010	
Chloroethane	BQL	10.0	0.106	1	11/24/2010	
Chloroform	BQL	5.00	0.0790	1	11/24/2010	
Chloromethane	BQL	1.00	0.146	1	11/24/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	11/24/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	11/24/2010	
Dibromomethane	BQL	10.0	0.113	1	11/24/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	11/24/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	11/24/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	11/24/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	11/24/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	11/24/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	11/24/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	11/24/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	11/24/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	11/24/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	11/24/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
Ethylbenzene	BQL	1.00	0.0770	1	11/24/2010	
2-hexanone	BQL	50.0	0.720	1	11/24/2010	
Iodomethane	BQL	10.0	0.0420	1	11/24/2010	
Methylene chloride	**0.330**	1.00	0.0980	1	11/24/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	11/24/2010	
Styrene	BQL	1.00	0.0850	1	11/24/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	11/24/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	11/24/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	11/24/2010	
Toluene	BQL	1.00	0.0760	1	11/24/2010	
Trichloroethene	BQL	1.00	0.0540	1	11/24/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	11/24/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	11/24/2010	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-GMW-4
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-4A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 11/16/2010 8:54
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	11/24/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	11/24/2010	
Vinyl acetate	BQL	50.0	0.100	1	11/24/2010	
Vinyl chloride	BQL	1.00	0.149	1	11/24/2010	
Total Xylene	BQL	5.00	0.0650	1	11/24/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	30.7	102
Toluene-d8	30	28.4	95
4-Bromofluorobenzene	30	28.3	94

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: _____ Reviewed By: _____

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-TB
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-5A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 1/0/1900 0:00
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	11/24/2010	
Acetonitrile	BQL	55.0	2.58	1	11/24/2010	
Acrylonitrile	BQL	200	2.93	1	11/24/2010	
Benzene	BQL	1.00	0.0650	1	11/24/2010	
Bromochloromethane	BQL	3.00	0.101	1	11/24/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	11/24/2010	
Bromoform	BQL	3.00	0.120	1	11/24/2010	
Bromomethane	BQL	10.0	0.133	1	11/24/2010	
2-butanone	BQL	100	0.544	1	11/24/2010	
Carbon disulfide	BQL	100	0.0690	1	11/24/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	11/24/2010	
Chlorobenzene	BQL	3.00	0.0820	1	11/24/2010	
Chloroethane	BQL	10.0	0.106	1	11/24/2010	
Chloroform	BQL	5.00	0.0790	1	11/24/2010	
Chloromethane	BQL	1.00	0.146	1	11/24/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	11/24/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	11/24/2010	
Dibromomethane	BQL	10.0	0.113	1	11/24/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	11/24/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	11/24/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	11/24/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	11/24/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	11/24/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	11/24/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	11/24/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	11/24/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	11/24/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	11/24/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	11/24/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	11/24/2010	
Ethylbenzene	BQL	1.00	0.0770	1	11/24/2010	
2-hexanone	BQL	50.0	0.720	1	11/24/2010	
Iodomethane	BQL	10.0	0.0420	1	11/24/2010	
Methylene chloride	**1.59**	1.00	0.0980	1	11/24/2010	
4-methyl-2-pentanone	BQL	100	0.550	1	11/24/2010	
Styrene	BQL	1.00	0.0850	1	11/24/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	11/24/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	11/24/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	11/24/2010	
Toluene	BQL	1.00	0.0760	1	11/24/2010	
Trichloroethene	BQL	1.00	0.0540	1	11/24/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	11/24/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	11/24/2010	

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: 9809-TB
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-5A
Lab Project ID: G121-448

Analyzed By: BWS
Date Collected: 1/0/1900 0:00
Date Received: 11/17/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	11/24/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	11/24/2010	
Vinyl acetate	BQL	50.0	0.100	1	11/24/2010	
Vinyl chloride	BQL	1.00	0.149	1	11/24/2010	
Total Xylene	BQL	5.00	0.0650	1	11/24/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	30.6	102
Toluene-d8	30	28.6	95
4-Bromofluorobenzene	30	28.8	96

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: BWS

Reviewed By: [signature]

Results for Metals

Client Sample ID: 9809-GMW-1
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-1
Lab Project ID: G121-448
ICP InitWt/Vol: 50 mL Final Vol: 50 mL
Hg InitWt/Vol: Final Vol:
Prep Batch: 17773

Analyzed By: PSW
Date Collected: 11/16/2010 08:11
Date Received: 11/17/2010
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010C	11/18/2010	
Arsenic	**0.0233**	0.0100	0.00491	1	MG/L	6010C	11/18/2010	
Barium	**0.0955**	0.100	0.00206	1	MG/L	6010C	11/18/2010	J
Beryllium	**0.00118**	0.00100	0.000442	10	MG/L	6020	11/19/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	11/19/2010	
Chromium	**0.0177**	0.0100	0.00146	1	MG/L	6010C	11/18/2010	B
Cobalt	**0.0207**	0.0100	0.00172	1	MG/L	6010C	11/18/2010	
Copper	**0.0141**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	B
Lead	**0.00833**	0.0100	0.00679	1	MG/L	6010C	11/18/2010	J
Nickel	**0.0267**	0.0500	0.00236	1	MG/L	6010C	11/18/2010	J
Selenium	**0.00349**	0.0100	0.00278	1	MG/L	6010C	11/18/2010	J
Silver	BQL	0.0100	0.000656	1	MG/L	6010C	11/18/2010	B
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	11/19/2010	
Vanadium	**0.0390**	0.0250	0.000586	10	MG/L	6020	11/19/2010	
Zinc	**0.0599**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	9809-GMW-2	Analyzed By:	PSW
Client Project ID:	Wilson Co. C&D	Date Collected:	11/16/2010 08:33
Lab Sample ID:	G121-448-2	Date Received:	11/17/2010
Lab Project ID:	G121-448	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	Final Vol:		
Prep Batch:	17773		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010C	11/18/2010	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010C	11/18/2010	
Barium	**0.0701**	0.100	0.00206	1	MG/L	6010C	11/18/2010	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	11/19/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	11/19/2010	
Chromium	**0.00327**	0.0100	0.00146	1	MG/L	6010C	11/18/2010	JB
Cobalt	**0.0233**	0.0100	0.00172	1	MG/L	6010C	11/18/2010	
Copper	**0.00350**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010C	11/18/2010	
Nickel	**0.00540**	0.0500	0.00236	1	MG/L	6010C	11/18/2010	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010C	11/18/2010	
Silver	**0.00101**	0.0100	0.000656	1	MG/L	6010C	11/18/2010	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	11/19/2010	
Vanadium	BQL	0.0250	0.000586	10	MG/L	6020	11/19/2010	
Zinc	**0.0156**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID: 9809-GMW-3
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-3
Lab Project ID: G121-448
ICP InitWt/Vol: 50 mL Final Vol: 50 mL
Hg InitWt/Vol: Final Vol:
Prep Batch: 17773

Analyzed By: PSW
Date Collected: 11/16/2010 08:46
Date Received: 11/17/2010
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010C	11/18/2010	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010C	11/18/2010	
Barium	**0.0892**	0.100	0.00206	1	MG/L	6010C	11/18/2010	J
Beryllium	**0.00166**	0.00100	0.000442	10	MG/L	6020	11/19/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	11/19/2010	
Chromium	**0.00339**	0.0100	0.00146	1	MG/L	6010C	11/18/2010	JB
Cobalt	**0.00617**	0.0100	0.00172	1	MG/L	6010C	11/18/2010	J
Copper	**0.00463**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	JB
Lead	**0.00963**	0.0100	0.00679	1	MG/L	6010C	11/18/2010	J
Nickel	**0.0117**	0.0500	0.00236	1	MG/L	6010C	11/18/2010	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010C	11/18/2010	
Silver	BQL	0.0100	0.000656	1	MG/L	6010C	11/18/2010	B
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	11/19/2010	
Vanadium	**0.00118**	0.0250	0.000586	10	MG/L	6020	11/19/2010	J
Zinc	**0.0426**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID: 9809-GMW-4
Client Project ID: Wilson Co. C&D
Lab Sample ID: G121-448-4
Lab Project ID: G121-448
ICP InitWt/Vol: 50 mL Final Vol: 50 mL
Hg InitWt/Vol: Final Vol:
Prep Batch: 17773

Analyzed By: PSW
Date Collected: 11/16/2010 08:54
Date Received: 11/17/2010
Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010C	11/18/2010	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010C	11/18/2010	
Barium	**0.0578**	0.100	0.00206	1	MG/L	6010C	11/18/2010	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	11/19/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	11/19/2010	
Chromium	**0.00361**	0.0100	0.00146	1	MG/L	6010C	11/18/2010	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010C	11/18/2010	
Copper	**0.00433**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010C	11/18/2010	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010C	11/18/2010	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010C	11/18/2010	
Silver	BQL	0.0100	0.000656	1	MG/L	6010C	11/18/2010	B
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	11/19/2010	
Vanadium	BQL	0.0250	0.000586	10	MG/L	6020	11/19/2010	
Zinc	**0.00786**	0.0100	0.00129	1	MG/L	6010C	11/18/2010	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

www.us.sgs.com

099504

(1)
CLIENT: Babb + Associates, P.A.
CONTACT: Gary Babb PHONE NO: (919) 325-0696
PROJECT: Wilson Co LTD SITE/PWSID#:
REPORTS TO: Babb + Assoc. gbabb@nc.rr.com FAX NO.:( )
INVOICE TO: Babb + Assoc. QUOTE #:
P.O. NUMBER:

SGS Reference: GW-448

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP, G=GRAB)	Preservatives Used	Analysis Required (3)	REMARKS
	9809-6MW-1	11/16/10	811	W	4	G	HCl	App I 8260	
	9809-6MW-2	"	733	"	"	"	HNO3	Tot Recoverable Metals	
	9809-6MW-3	"	846	"	"	"		Appendix I Metals	
	9809-6MW-4	"	854	"	"	"			
	9809-TB				2				

(5)

	Date	Time	Received By:
Collected/Relinquished By:(1) Jason M. Jump	11/16/10	1310	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 11/17/10	Time 9:40	Received By:

(4)

Shipping Carrier: Fed Ex
Shipping Ticket No: 8715 6026 4125

Samples Received Cold? (Circle) YES NO
Temperature °C: 2.2

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:
☐ RUSH _____ Date Needed ☐ STD

SGS North America, Inc.

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White - Retained by Lab
Pink - Retained by Client