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PREMO GROUP INC

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Building 100, Suite 106
Marietta, GA 30062

Phone 770.973.2100
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www.premoteam.com

August 30, 2007

Don Heardon
Compliance Unit
NCDENR-DVM, Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Received
Waste Management

RE: Facility Permit # 4203
Low Ground Landfill
Roanoke Rapids, NC

Dear Mr. Heardon;

On behalf of International Paper, PREMO Group is submitting the attached semi-annual Environmental Monitoring Report for the above referenced site. Also enclosed with this letter is the summary table along with the laboratory report from Columbia Analytical Services.

In summarizing a phone conversation on July 31, 2007, PREMO informed NCDENR that each of the five (5) groundwater samples exceeded iron compared to the 2L standard of 300 ug/L. Historically there have been elevated levels of iron at this site. In addition, the iron appears to be naturally occurring as the most up gradient monitoring well (LG-1) had the highest level of iron detected.

Given that iron is the only constituent that exceeded the 2L standard and that the landfill does not appear the source, the Solid Waste Section concurred with waiving the requirement to prepare Water Quality Assessment Plan for this site due to this exceedance. On the basis that there is no substantial change in iron levels, PREMO will assume that this waiver will stay in effect for the duration of the monitoring program at this site.

If you have any questions on this report feel free to call at 770-973-2100..

Sincerely,

Ernie Pollitzer
Project Manager

Peter Ramsey, PG
Project Geologist

cc: Phil Slowiak, International Paper

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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

PREMO GROUP INC (Consultant)

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

Name: Ernie Politzer Phone: 770-973-2100 #2884

E-mail: ernie p@ premoteam.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Low Ground Landfill Roanoke Rapids, NC	100 Gaston Road Roanoke Rapids, NC	4203	.0500	May 15, 2007

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.

Facility Representative Name (Print)	Title	(Area Code) Telephone Number
ERNIE POLITZER	PROJECT MANAGER	770-973-2100

Signature: [signature] Date: 8/27/07

Peter E. Ramsey 8/27/07

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 2107 GEOLOGIST PETER E. RAMSEY

Revised 01/2007

International Paper **100 Gaston Road** **Low Ground Landfill**

Roanoke Rapids Mill **Roanoke Rapids, NC** **Monitoring Wells**

Samples collected on 5/15/07 by Paul Farris of URS | Contact: Ernie Pollitzer, Premo Group

Samples were analyzed by CAS, Inc NC Cert. #: 527 | Phone 770-973-2100 #2884 or email, erniep@premoteam.com

FACILITY PERMIT	SAMPLE ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	LAB QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
42-03	MW-LG 1	7440-38-2	14	Arsenic	2.1	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-39-3	15	Barium	210	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-43-9	34	Cadmium	0.12	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-47-3	51	Chromium	1.6	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-50-8	54	Copper	2.1	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7439-89-6	340	Iron	22,600	ug/L		1.0	5/15/07	5/21/07	5/22/07
42-03	MW-LG 1	7439-92-1	131	Lead	1.6	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7439-96-5	342	Manganese	2.1	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7439-97-6	132	Mercury	0.14	ug/L	U	1.0	5/15/07	5/21/07	5/23/07
42-03	MW-LG 1	7782-49-2	183	Selenium	0.79	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-22-4	184	Silver	0.039	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	7440-66-6	213	Zinc	3.8	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 1	316	316	Biochemical Oxygen Demand	930	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1	E-10195	357	Total Organic Carbon	5,800	ug/L		1.0	5/15/07	5/21/07	5/21/07
42-03	MW-LG 1	317	317	Chemical Oxygen Demand	46,000	ug/L		1.0	5/15/07	5/22/07	5/22/07
42-03	MW-LG 1	16887-00-6	301	Chloride	13,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1	16984-48-8	312	Fluoride	150	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1	14797-55-8	303	Nitrate	23	ug/L	U	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1	321	321	pH - Lab	6.7	SU		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1	311	311	Total Dissolved Solids	340,000	ug/L		1.0	5/15/07	5/17/07	5/17/07
42-03	MW-LG 1	14808-79-8	315	Sulfate	23,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 1			Total Organic Halides	7.8	ug/L	J	1.0	5/15/07	5/26/07	5/26/07
42-03	MW-LG 3	7440-38-2	14	Arsenic	0.42	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-39-3	15	Barium	61	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-43-9	34	Cadmium	0.12	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-47-3	51	Chromium	0.51	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-50-8	54	Copper	0.53	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7439-89-6	340	Iron	2,320	ug/L		1.0	5/15/07	5/21/07	5/22/07
42-03	MW-LG 3	7439-92-1	131	Lead	0.3	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7439-96-5	342	Manganese	2.3	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7439-97-6	132	Mercury	0.14	ug/L	U	1.0	5/15/07	5/21/07	5/23/07
42-03	MW-LG 3	7782-49-2	183	Selenium	0.79	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-22-4	184	Silver	0.039	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	7440-66-6	213	Zinc	15	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG 3	316	316	Biochemical Oxygen Demand	860	ug/L	U	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3	E-10195	357	Total Organic Carbon	11,000	ug/L		1.0	5/15/07	5/21/07	5/21/07
42-03	MW-LG 3	317	317	Chemical Oxygen Demand	44,000	ug/L		1.0	5/15/07	5/22/07	5/22/07
42-03	MW-LG 3	16887-00-6	301	Chloride	55,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3	16984-48-8	312	Fluoride	170	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3	14797-55-8	303	Nitrate	6,700	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3	321	321	pH - Lab	6.5	SU		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3	311	311	Total Dissolved Solids	1,200,000	ug/L		1.0	5/15/07	5/17/07	5/17/07
42-03	MW-LG 3	14808-79-8	315	Sulfate	180,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG 3			Total Organic Halides	98.7	ug/L		1.0	5/15/07	5/26/07	5/26/07

International Paper **100 Gaston Road** **Low Ground Landfill**

Roanoke Rapids Mill **Roanoke Rapids, NC** **Monitoring Wells**

Samples collected on 5/15/07 by Paul Farris of URS | Contact: Ernie Pollitzer, Premo Group

Samples were analyzed by CAS, Inc NC Cert. #: 527 | Phone 770-973-2100 #2884 or email, erniep@premoteam.com

FACILITY PERMIT	SAMPLE ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	LAB QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
42-03	MW-LG5	7440-38-2	14	Arsenic	0.64	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-39-3	15	Barium	170	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-43-9	34	Cadmium	0.12	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-47-3	51	Chromium	1.1	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-50-8	54	Copper	0.93	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7439-89-6	340	Iron	7,640	ug/L		1.0	5/15/07	5/21/07	5/22/07
42-03	MW-LG5	7439-92-1	131	Lead	0.3	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7439-96-5	342	Manganese	7.7	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7439-97-6	132	Mercury	0.14	ug/L	U	1.0	5/15/07	5/21/07	5/23/07
42-03	MW-LG5	7782-49-2	183	Selenium	0.79	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-22-4	184	Silver	0.039	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	7440-66-6	213	Zinc	13	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG5	316	316	Biochemical Oxygen Demand	860	ug/L	U	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5	E-10195	357	Total Organic Carbon	6,500	ug/L		1.0	5/15/07	5/21/07	5/21/07
42-03	MW-LG5	317	317	Chemical Oxygen Demand	24,000	ug/L		1.0	5/15/07	5/22/07	5/22/07
42-03	MW-LG5	16887-00-6	301	Chloride	2,900	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5	16984-48-8	312	Fluoride	150	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5	14797-55-8	303	Nitrate	120	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5	321	321	pH - Lab	6.5	SU		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5	311	311	Total Dissolved Solids	490,000	ug/L		1.0	5/15/07	5/17/07	5/17/07
42-03	MW-LG5	14808-79-8	315	Sulfate	120,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG5			Total Organic Halides	7	ug/L	U	1.0	5/15/07	5/26/07	5/26/07
42-03	MW-LG6	7440-38-2	14	Arsenic	0.28	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-39-3	15	Barium	880	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-43-9	34	Cadmium	0.12	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-47-3	51	Chromium	4.1	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-50-8	54	Copper	0.48	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7439-89-6	340	Iron	2,030	ug/L		1.0	5/15/07	5/21/07	5/22/07
42-03	MW-LG6	7439-92-1	131	Lead	0.3	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7439-96-5	342	Manganese	1.4	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7439-97-6	132	Mercury	0.14	ug/L	U	1.0	5/15/07	5/21/07	5/23/07
42-03	MW-LG6	7782-49-2	183	Selenium	0.79	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-22-4	184	Silver	0.039	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	7440-66-6	213	Zinc	6.9	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG6	316	316	Biochemical Oxygen Demand	3,400	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6	E-10195	357	Total Organic Carbon	17,000	ug/L		1.0	5/15/07	5/21/07	5/21/07
42-03	MW-LG6	317	317	Chemical Oxygen Demand	96,000	ug/L		1.0	5/15/07	5/22/07	5/22/07
42-03	MW-LG6	16887-00-6	301	Chloride	20,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6	16984-48-8	312	Fluoride	130	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6	14797-55-8	303	Nitrate	23	ug/L	U	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6	321	321	pH - Lab	7.1	SU		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6	311	311	Total Dissolved Solids	2,000,000	ug/L		2.0	5/15/07	5/17/07	5/17/07
42-03	MW-LG6	14808-79-8	315	Sulfate	980	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG6			Total Organic Halides	9.71	ug/L	J	1.0	5/15/07	5/26/07	5/26/07

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Roanoke Rapids Mill **Roanoke Rapids, NC** **Monitoring Wells**

Samples collected on 5/15/07 by Paul Farris of URS | Contact: Ernie Pollitzer, Premo Group

Samples were analyzed by CAS, Inc NC Cert. #: 527 | Phone 770-973-2100 #2884 or email, erniep@premoteam.com

FACILITY PERMIT	SAMPLE ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	LAB QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
42-03	MW-LG7	7440-38-2	14	Arsenic	0.43	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-39-3	15	Barium	100	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-43-9	34	Cadmium	0.12	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-47-3	51	Chromium	0.32	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-50-8	54	Copper	0.59	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7439-89-6	340	Iron	902	ug/L		1.0	5/15/07	5/21/07	5/22/07
42-03	MW-LG7	7439-92-1	131	Lead	0.3	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7439-96-5	342	Manganese	1.4	ug/L		1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7439-97-6	132	Mercury	0.14	ug/L	U	1.0	5/15/07	5/21/07	5/23/07
42-03	MW-LG7	7782-49-2	183	Selenium	0.79	ug/L	U	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-22-4	184	Silver	0.16	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	7440-66-6	213	Zinc	2.3	ug/L	J	1.0	5/15/07	5/21/07	5/25/07
42-03	MW-LG7	316	316	Biochemical Oxygen Demand	860	ug/L	U	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7	E-10195	357	Total Organic Carbon	5,400	ug/L		1.0	5/15/07	5/21/07	5/21/07
42-03	MW-LG7	317	317	Chemical Oxygen Demand	27,000	ug/L		1.0	5/15/07	5/22/07	5/22/07
42-03	MW-LG7	16887-00-6	301	Chloride	16,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7	16984-48-8	312	Fluoride	140	ug/L	J	1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7	14797-55-8	303	Nitrate	450	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7	321	321	pH - Lab	7.0	SU		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7	311	311	Total Dissolved Solids	1,200,000	ug/L		1.0	5/15/07	5/17/07	5/17/07
42-03	MW-LG7	14808-79-8	315	Sulfate	150,000	ug/L		1.0	5/15/07	5/16/07	5/16/07
42-03	MW-LG7			Total Organic Halides	14.3	ug/L		1.0	5/15/07	5/26/07	5/26/07

U - Undetected above the MRL/MDL

J - Estimated value above the MDL, but below the MRL

8540 Baycenter Road Jacksonville,Florida 32256 (904) 739-2277 (904) 739-2011 fax

Columbia Analytical Services INC.
An Employee - Owned Company

June 19, 2007 Service Request No: J0702229

Ernie Pollitzer
Premier Environmental Services
1880 West Oak Parkway
Building 100, Suite 106
Marietta, GA 30062

RE: Former IP Low Ground Landfill

Dear Ernie:

Enclosed are the results of the sample(s) submitted to our laboratory on May 16, 2007. For your reference, these analyses have been assigned our service request number **J0702229**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please call if you have any questions. My extension is 289. You may also contact me via email at TKissinger@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tom Kissinger
Project Chemist

Page 1 of 35

Laboratory Manager: Greg Jordan
Quality Assurance Officer: Kathy Brungard

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502 valid through 6/30/07. Other state accreditations include: Arkansas, #88-0600 valid through 1/12/06; Georgia, #958 valid through 6/30/07; Louisiana, #02086 valid through 6/30/07; Texas, #T104704197-06-TX valid through 5/31/07; North Carolina, #527 valid through 12/31/06; South Carolina, #96021001 valid through 6/30/07.

NELAP Accredited ACIL Seal of Excellence Award 100% Recycled

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Premier Environmental Services	**Service Request No.:**	J0702229
Project:	Former IP Low Ground Landfill	**Date Received:**	5/16/07
Sample Matrix:	water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

6 water samples were received for analysis at Columbia Analytical Services on 5/16/07. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Metals by ICP-OES / Metals by ICP-MS / Mercury by CVAA

Batch QC Notes and Discussion

Quality control samples for some parameters (i.e., Dup/Spike or MS/DMS samples) were performed using samples from another sample delivery group (SDG). The frequency requirement for quality control sample analysis was consistent with the project's requirements. Matrix specific quality control results have no bearing on sample data from a different matrix or location. Therefore, control of the batch has been evaluated using the method blank and the laboratory control sample.

The control criteria for matrix spike recoveries of Iron for sample LG-1 are not applicable. The analyte concentrations in the sample were significantly higher than the added spike concentrations, preventing accurate evaluation of the spike recoveries.

General Chemistry Parameters

Batch QC Notes and Discussion

Quality control samples for some parameters (i.e., Dup/Spike or MS/DMS samples) were performed using samples from another sample delivery group (SDG). The frequency requirement for quality control sample analysis was consistent with the project's requirements. Matrix specific quality control results have no bearing on sample data from a different matrix or location. Therefore, control of the batch has been evaluated using the method blank and the laboratory control sample.

Subcontracted Analytical Parameters

TOH analyses were sub-contracted to Test America Nashville, TN.

Approved by Tom D. Hissing **Date** 6/19/07

Data Qualifiers

Inorganic Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.

Metals Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The reported value is estimated because of the presence of matrix interference.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The result was determined by Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

Organic Data

- * The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- A The tentatively identified compound is a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria were exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides)
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

Petroleum Hydrocarbon Specific

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Premier Environmental Services
Project: Former IP Low Ground Landfill

Service Request: J0702229

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J0702229-001	LG-1	05/15/07	14:45
J0702229-002	LG-3	05/15/07	15:40
J0702229-003	LG-5	05/15/07	16:30
J0702229-004	LG-6	05/15/07	17:30
J0702229-005	LG-7	05/15/07	13:30
J0702229-006	LG-15	05/15/07	16:45

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: Premo, Inc.
Project Name: Former IP Low Ground Landfill
Project Number: NA
Matrix: WATER

Service Request: J0702229
Date Collected: 5/15/2007
Date Received: 5/16/2007

Total Metals

Sample Name: LG-1
Lab Code: J0702229-001

Units: ug/L
Basis: N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	2.1	
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	210	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	1.6	B
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	2.1	
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	22600	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	1.6	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	2.1	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	3.8	B

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: Premo, Inc.
Project Name: Former IP Low Ground Landfill
Project Number: NA
Matrix: WATER

Service Request: J0702229
Date Collected: 5/15/2007
Date Received: 5/16/2007

Total Metals

Sample Name: LG-3
Lab Code: J0702229-002

Units: ug/L
Basis: N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	0.42	B
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	61	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	0.51	B
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	0.53	B
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	2320	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	2.3	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	15	

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	5/15/2007
Project Number:	NA	**Date Received:**	5/16/2007
Matrix:	WATER		

Total Metals

Sample Name:	LG-5	**Units:**	ug/L
Lab Code:	J0702229-003	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	0.64	
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	170	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	1.1	B
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	0.93	B
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	7640	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	7.7	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	13	

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	5/15/2007
Project Number:	NA	**Date Received:**	5/16/2007
Matrix:	WATER		

Total Metals

Sample Name:	LG-6	**Units:**	ug/L
Lab Code:	J0702229-004	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	U	
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	880	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	4.1	
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	0.48	B
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	2030	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	1.4	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	6.9	B

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	5/15/2007
Project Number:	NA	**Date Received:**	5/16/2007
Matrix:	WATER		

Total Metals

Sample Name:	LG-7	**Units:**	ug/L
Lab Code:	J0702229-005	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	0.43	B
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	100	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	0.32	B
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	0.59	B
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	902	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	1.4	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	0.16	B
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	2.3	B

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	5/15/2007
Project Number:	NA	**Date Received:**	5/16/2007
Matrix:	WATER		

Total Metals

Sample Name:	LG-15	**Units:**	ug/L
Lab Code:	J0702229-006	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	0.45	B
Barium	EPA 3020A	6020	2.0	0.14	1.0	05/21/2007	05/25/2007	180	
Cadmium	EPA 3020A	6020	1.0	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.0	0.12	1.0	05/21/2007	05/25/2007	0.81	B
Copper	EPA 3020A	6020	2.0	0.29	1.0	05/21/2007	05/25/2007	0.77	B
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	9870	
Lead	EPA 3020A	6020	1.0	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.010	0.001	1.0	05/21/2007	05/25/2007	9.1	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.0	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.50	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10	1.7	1.0	05/21/2007	05/25/2007	13	

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	N/A
Project Number:	NA	**Date Received:**	N/A
Matrix:	WATER		

Total Metals

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	MB5-0521	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Arsenic	EPA 3020A	6020	0.50	0.28	1.0	05/21/2007	05/25/2007	0.37	B
Barium	EPA 3020A	6020	2.00	0.14	1.0	05/21/2007	05/25/2007	U	
Cadmium	EPA 3020A	6020	1.00	0.12	1.0	05/21/2007	05/25/2007	U	
Chromium	EPA 3020A	6020	2.00	0.12	1.0	05/21/2007	05/25/2007	0.13	B
Copper	EPA 3020A	6020	2.00	0.29	1.0	05/21/2007	05/25/2007	U	
Iron	EPA 3010A	6010B	50	17	1.0	05/21/2007	05/22/2007	U	
Lead	EPA 3020A	6020	1.00	0.30	1.0	05/21/2007	05/25/2007	U	
Manganese	EPA 3010A	6010B	0.01	0.00	1.0	05/21/2007	05/25/2007	U	
Mercury	METHOD	7470A	0.50	0.14	1.0	05/23/2007	05/23/2007	U	
Selenium	EPA 3020A	6020	2.00	0.79	1.0	05/21/2007	05/25/2007	U	
Silver	EPA 3020A	6020	0.500	0.039	1.0	05/21/2007	05/25/2007	U	
Zinc	EPA 3020A	6020	10.0	1.7	1.0	05/21/2007	05/25/2007	U	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-1
Lab Code : J0702229-001
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	0.93	J
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	5.8	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	46	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:08	13	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.15	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 16:27	U	
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	6.7	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	340	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	23	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-3
Lab Code : J0702229-002
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	U	
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	11	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	44	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:08	55	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.17	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 16:43	6.7	
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	6.5	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	1200	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	180	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-5
Lab Code : J0702229-003
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	U	
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	6.5	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	24	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:24	2.9	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.15	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 16:58	0.12	J
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	6.5	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	490	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	120	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-6
Lab Code : J0702229-004
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	3.4	
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	17	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	96	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:08	20	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.13	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 17:14	U	
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	7.1	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	20	9.4	2	05/17/07 08:30	2000	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:24	0.98	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-7
Lab Code : J0702229-005
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	U	
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	5.4	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	27	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:08	16	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.14	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 17:29	0.45	
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	7.0	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	1200	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	150	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07

Inorganic Parameters

Sample Name : LG-15
Lab Code : J0702229-006
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	1.0	J
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	6.6	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	54	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:24	2.7	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	0.16	J
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 17:44	0.12	J
pH	pH UNITS	9040B	-	-	1	05/16/07 17:00	6.4	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	510	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	99	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : NA
Date Received : NA

Inorganic Parameters

Sample Name : Method Blank
Lab Code : J0702229-MB
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	4	0.86	1	05/16/07 17:00	U	
Carbon, Total Organic	mg/L (ppm)	415.1	1	0.5	1	05/21/07 17:35	U	
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	1.5	1	05/22/07 15:00	U	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:08	U	
Chloride	mg/L (ppm)	300.0	0.2	0.031	1	05/16/07 14:24	U	
Fluoride	mg/L (ppm)	300.0	0.2	0.048	1	05/16/07 14:24	U	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	0.023	1	05/16/07 13:48	U	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	4.7	1	05/17/07 08:30	U	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:24	U	
Sulfate	mg/L (ppm)	300.0	0.4	0.17	1	05/16/07 14:08	U	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	05/15/2007
Project Number:		**Date Received:**	05/16/2007
Matrix:	WATER	**Date Extracted:**	05/21/2007
		Date Analyzed:	05/22/2007

Matrix Spike/Matrix Spike Duplicate Summary
Total Metals

Sample Name:	LG-1		**Units:**	ug/L
Lab Code:	J0702229-001	J0702229-001S	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	RPD	% Rec Acceptance Limits	Result Notes
Iron	EPA 3010	6010B	50.000	2000	2000	22620	24260	24100	NC	NC	1	75 - 125	
Manganese	EPA 3010	6010B	0.01	2.00	2.00	2.05	4.02	4.00	98	98	<1.0	75 - 125	

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client:	Premo, Inc.	**Service Request:**	J0702229
Project Name:	Former IP Low Ground Landfill	**Date Collected:**	05/15/2007
Project Number:		**Date Received:**	05/16/2007
Matrix:	WATER	**Date Extracted:**	05/21/2007
		Date Analyzed:	05/25/2007

Matrix Spike/Matrix Spike Duplicate Summary
Total Metals

Sample Name:	LG-7		**Units:**	ug/L
Lab Code:	J0702229-005	J0702229-005S	**Basis:**	N/A

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	RPD	% Rec Acceptance Limits	Result Notes
Arsenic	EPA 3020	6020	0.5	50.0	50.0	0.4	53.8	53.4	107	106	1	75 - 125	
Barium	EPA 3020	6020	2	50.0	50.0	104	156	158	104	108	1	75 - 125	
Cadmium	EPA 3020	6020	1.0	50.0	50.0	U	49.2	49.4	98	99	<1.0	75 - 125	
Chromium	EPA 3020	6020	2.0	50.0	50.0	0.3	49.7	50.5	99	100	2	75 - 125	
Copper	EPA 3020	6020	2.0	50.0	50.0	0.6	48.3	48.8	95	96	1	75 - 125	
Lead	EPA 3020	6020	1.0	50.0	50.0	U	49.0	48.7	98	97	1	75 - 125	
Selenium	EPA 3020	6020	2.0	50.0	50.0	U	53.9	53.1	108	106	1	75 - 125	
Silver	EPA 3020	6020	0.5	50.0	50.0	0.2	49.4	49.4	98	98	<1.0	75 - 125	
Zinc	EPA 3020	6020	10.0	100	100	2.3	102.0	101.0	100	99	1	75 - 125	

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client: Premo, Inc.
Project Name: Former IP Low Ground Landfill
Project Number:
Matrix: WATER

Service Request: J0702229
Date Collected: N/A
Date Received: N/A
Date Extracted: 05/21/2007
Date Analyzed: 05/25/2007

Laboratory Control Sample Summary
Total Metals

Sample Name: Lab Control Sample
Lab Code: LCS5-0521

Units: ug/L
Basis: N/A

Analyte	Prep Method	Analysis Method	MRL	True Value	Results	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic	EPA 3020A	6020	0.5	50.0	50.9	102	80 - 120	
Barium	EPA 3020A	6020	2.0	50.0	51.7	103	80 - 120	
Cadmium	EPA 3020A	6020	1.0	50.0	50.4	101	80 - 120	
Chromium	EPA 3020A	6020	2.0	50.0	50.8	102	80 - 120	
Copper	EPA 3020A	6020	2.0	50.0	50.4	101	80 - 120	
Iron	EPA 3010A	6010B	50	2000	1980	99	80 - 120	
Lead	EPA 3020A	6020	1.0	50.0	50.7	101	80 - 120	
Manganese	EPA 3010A	6010B	0.01	2.00	1.95	98	80 - 120	
Mercury	METHOD	7470A	0.50	5.00	5.11	102	80 - 120	
Selenium	EPA 3020A	6020	2.0	50.0	51.0	102	80 - 120	
Silver	EPA 3020A	6020	0.5	50.0	51.9	104	80 - 120	
Zinc	EPA 3020A	6020	10	100	102	102	80 - 120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07
Date Extracted : NA
Date Analyzed : 05/16-22/07

Duplicate Summary
Inorganic Parameters

Sample Name : LG-1
Lab Code : J0702229-001DUP
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	46	46	46	<1	
pH	pH UNITS	9040B	-	6.7	6.7	6.7	<1	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Premo, Inc.
Project Name : Former IP Low Ground Landfill
Project Number : NA
Sample Matrix : WATER

Service Request : J0702229
Date Collected : 05/15/07
Date Received : 05/16/07
Date Extracted : NA
Date Analyzed : 05/22/07

Matrix Spike Summary
Inorganic Parameters

Sample Name : LG-1
Lab Code : J0702229-001MS
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Chemical Oxygen Demand	mg/L (ppm)	410.2	5	50	46	97.6	103	85-115	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Premo, Inc.	**Service Request :**	J0702229
Project Name :	Former IP Low Ground Landfill	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Sample Matrix :	WATER	**Date Extracted :**	NA
		Date Analyzed :	05/16-22/07

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : J0702229-LCS
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Biochemical Oxygen Demand (BOD)	mg/L (ppm)	405.1	198	190	96	85-115	
Carbon, Total Organic	mg/L (ppm)	415.1	50	46.1	92	90-110	
Chemical Oxygen Demand	mg/L (ppm)	410.2	85.8	85.4	100	85-115	
Chloride	mg/L (ppm)	300.0	10	9.76	98	90-110	
Chloride	mg/L (ppm)	300.0	250	231	92	90-110	
Fluoride	mg/L (ppm)	300.0	10	9.79	98	90-110	
Nitrate as Nitrogen	mg/L (ppm)	300.0	10	9.89	99	90-110	
pH	pH UNITS	9040B	7.00	7.00	100	90-110	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	300	300	100	85-115	
Sulfate	mg/L (ppm)	300.0	250	253	101	90-110	
Sulfate	mg/L (ppm)	300.0	10	10.1	101	90-110	

Report By:Palimi

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

Client: Premier Service Request # J0702229

Project: Former IP Low Ground Landfill

Cooler received on 5-15-07 and opened on 5-15-07 by AP

COURIER: CAS UPS FEDEX DHL CLIENT Tracking # 95 20 8295 5044

1	Were custody seals on outside of cooler?	Yes	No	N/A
2	Were seals intact, signed and dated?	Yes	No	N/A
3	Were custody papers properly filled out?	Yes	No	N/A
4	Temperature of cooler(s) upon receipt (Should be 4 +/- 2 degrees C)	-0.2°C 0°C		
5	Correct Temperature?	Yes	No	N/A
6	Were Ice or Ice Packs present	Yes	No	N/A
7	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A
8	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A
9	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A
10	Were the correct bottles used for the tests indicated?	Yes	No	N/A
11	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A

HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2

Preservative additions noted below

12	Were all samples received within analysis holding times?	Yes	No	N/A
13	Were VOA vials checked for absence of air bubbles? If present, note below	Yes	No	N/A
14	Where did the bottles originate?	CAS	Client	

Sample ID	Reagent	Manuf. Lot # or CAS Chem ID	ml added	Inititials

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date

SR # : J0702229 Date: 5.15.07 Initials: AES

Note that pH is checked and meets the required pH criterion listed in the column heading unless otherwise noted on cooler receipt form.

	Bottle Code																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	40mL	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	5g	100mL	Misc.
Container	G	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	P	G	G	G	G	G	G	G	ENC	P	Misc.
Pres.		HCl	Sodium Thiosulfate	H2SO4		HCl	H2SO4	HNO3		H2SO4	HNO3	ZnAcetate NaOH	NaOH		HNO3		H2SO4	HNO3		HNO3		HCl	H2SO4						Sodium Thiosulfate	
Req. pH	N/A	<2	N/A	<2	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample #	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-				-	-
-001						/	/	/								/							/							
-002						/	/	/								/							/							
-003						/	/	/								/							/							
-004						/	/	/								/							/							
-005						/	/	/								/							/							
-006						/	/	/								/							/							
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-039																														
-040																														

Columbia Analytical Services inc.
An Employee-Owned Company

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 19, 2007

Client: Columbia Analytical Services (9477)
8540 Baycenter Road
Jacksonville, FL 32256

Attn: Mandy Sullivan

Work Order: NQE2310
Project Name: Columbia Analytical Services
Project Number: J0702229
Date Received: 05/17/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
J0702229-001 / LG-1	NQE2310-01	05/15/07 14:45
J0702229-002 / LG-3	NQE2310-02	05/15/07 15:40
J0702229-003 / LG-5	NQE2310-03	05/15/07 16:30
J0702229-004 / LG-6	NQE2310-04	05/15/07 17:30
J0702229-005 / LG-7	NQE2310-05	05/15/07 13:30
J0702229-006 / LG-15	NQE2310-06	05/15/07 16:45

Samples were received into laboratory at a temperature of 0.80 °C.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have recieved this material in error, please notify us immediately.

Results are reported on a wet weight basis unless otherwise noted

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

These results relate only to the items tested

Estimated uncertainity is available upon request.

Florida Certification Number: E87358

This report has been electronically signed.

Approved By:

Andy Johnson

TestAmerica - Nashville, TN
Andy Johnson
Operations Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Columbia Analytical Services (9477)
8540 Baycenter Road
Jacksonville, FL 32256
Attn: Mandy Sullivan

Work Order: NQE2310
Project: Columbia Analytical Services
Project Number: J0702229

Sampled: 05/15/07
Received: 05/17/07

LABORATORY REPORT
Sample ID: J0702229-001 / LG-1 - Lab Number: NQE2310-01 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.00780	J	mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

LABORATORY REPORT
Sample ID: J0702229-002 / LG-3 - Lab Number: NQE2310-02 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.0987		mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

LABORATORY REPORT
Sample ID: J0702229-003 / LG-5 - Lab Number: NQE2310-03 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.00700	U	mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

LABORATORY REPORT
Sample ID: J0702229-004 / LG-6 - Lab Number: NQE2310-04 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.00971	J	mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

LABORATORY REPORT
Sample ID: J0702229-005 / LG-7 - Lab Number: NQE2310-05 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.0143		mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

LABORATORY REPORT
Sample ID: J0702229-006 / LG-15 - Lab Number: NQE2310-06 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
TOX	Total Organic Halides	0.00753	J	mg/L	0.00700	0.0100	1	05/26/07 10:20	MZC	SW846 9020B	7053676

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Columbia Analytical Services (9477)
8540 Baycenter Road
Jacksonville, FL 32256
Attn: Mandy Sullivan

Work Order: NQE2310
Project: Columbia Analytical Services
Project Number: J0702229

Sampled: 05/15/07
Received: 05/17/07

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
General Chemistry Parameters					
Total Organic Halides	0.00700	U	mg/L	7053676	7053676-BLK1

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters								
Total Organic Halides	0.0392	0.0360		mg/L	9	37	7053676	NQE1713-01

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
General Chemistry Parameters							
Total Organic Halides	250	251		mg/L	100	90 - 110	7053676

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
General Chemistry Parameters									
Total Organic Halides	7.80	102		mg/L	100	94	69 - 134	7053676	NQE2310-01

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters										
Total Organic Halides	7.80	100		mg/L	100	92	2	37	7053676	NQE2310-01

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	Columbia Analytical Services (9477) 8540 Baycenter Road Jacksonville, FL 32256	Work Order:	NQE2310	Sampled:	05/15/07
		Project:	Columbia Analytical Services	Received:	05/17/07
		Project Number:	J0702229		
Attn:	Mandy Sullivan				

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	A2LA	AIHA	Nelac	Florida
SW846 9020B	Water		N/A	X	X

DATA QUALIFIERS AND DEFINITIONS

J	The reported value is between the laboratory method detection limit and method reporting limit.
U	The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica
Nashville, TN

COOLER RECEIPT FORM

NQE2310

Cooler Received/Opened On: 5/17/07 @ 9:30

Tracking # 1ZX5W0980142258793 (last 4 digits, I

Courier: UPS IR Gun ID: 92171982

1. Temperature of rep. sample or temp blank when opened: 0.8 Degrees Celsius
3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA
4. Were custody seals on outside of cooler? YES...NO...NA
   If yes, how many and where: 1 front
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JR

7. Were custody seals on containers: YES NO and intact YES...NO...NA
   Were these signed and dated correctly? YES...NO...NA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA
13a. Were VOA vials received? YES...NO...NA
   b. Was there any observable headspace present in any VOA vial? YES...NO...NA
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA
   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
   If preservation in-house was needed, record standard ID of preservative used here _____
16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JR

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JR

I certify that I attached a label with the unique LIMS number to each container (intial) JR

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

Columbia Analytical Services, Inc. Chain of Custody

8540 Baycenter Rd. • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

CAS Contact: Tom Kissinger

Project Number: J0702229
Project Manager: Tom Kissinger

NQE2310
05/27/07 23:59

35

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	TOX 9020B	
J0702229-001	LG-1	1	Water	05/15/07	1445	~~H2M Lab~~ Test America	II	NQE2310-1
J0702229-002	LG-3	1	Water	05/15/07	1540	H2M Lab	II	2
J0702229-003	LG-5	1	Water	05/15/07	1630	H2M Lab	II	3
J0702229-004	LG-6	1	Water	05/15/07	1730	H2M Lab	II	4
J0702229-005	LG-7	1	Water	05/15/07	1330	H2M Lab	II	5
J0702229-006	LG-15	1	Water	05/15/07	1645	H2M Lab	II	6

Test Comments
TOX - 9020B J0702229-001,2,3,4,5,6 Send to Test America Nashville TN

Special Instructions/Comments

PLEASE SEND
RESULTS TO
MANDY SULLIVAN

Turnaround Requirements

____ RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

____ STANDARD

Requested FAX Date: _____

Requested Report Date: 05/27/07

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y
EDD Y

Invoice Information

PO# J0702229

Bill to

Relinquished By: [signature] 5-16-07

Received By: [signature] 5/17/07 9:30 0.8C

Airbill Number:

Columbia Analytical Services INC
An Employee - Owned Company
www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

8540 Baycenter Rd. • Jacksonville, FL 32256 • (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR # J0702229

[redacted]

Project Name: Former IP Low Ground Landfill	Project Number:
Project Manager: Ernie Pollitzer	Email Address: epollitzer@premiercorp-usa.com
Company/Address: Premier Environmental Services, Inc 1880 West Oak Pkwy, Building 100, Suite 106 Marietta, GA 30062	
Phone #: 770-973-2100	FAX#: 770-973-7395
Sampler's Signature:	Sampler's Printed Name: PAUL FARRIS

ANALYSIS REQUESTED (Include Method Number and [redacted]

PRESERVATIVE	1	2	3	0	3															
NUMBER OF CONTAINERS		TOC	Metals	COD	BOD, Cl, TDS, pH, NO3, SO4, F	TOH (9020B)														

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX																REMARKS/ ALTERNATE DESCRIPTION
LG-1		5/15	1445	W	5	1	1	1	1	1										
LG-3		5/15	1540	W	5	1	1	1	1	1										
LG-5		5/15	1630	W	5	1	1	1	1	1										
LG-6		5/15	1730	W	5	1	1	1	1	1										
LG-7		5/15	1330	W	5	1	1	1	1	1										
LG-15		5/15	1645	W	5	1	1	1	1	1										

SPECIAL INSTRUCTIONS/COMMENTS

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
✓ STANDARD
REQUESTED FAX DATE _____
REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

CALL Ernie @ # above

INVOICE INFORMATION
PO#
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature: Abigail Sure	Signature:	Signature:
Printed Name: PAUL FARRIS	Printed Name: FEDEX	Printed Name: FEDEX	Printed Name: Abigail Sure	Printed Name:	Printed Name:
Firm: URS Corp.	Firm:	Firm:	Firm: CAS	Firm:	Firm:
Date/Time: 5-15-07 2045	Date/Time:	Date/Time:	Date/Time: 5-15-07 0855	Date/Time:	Date/Time:

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

JSCOC-08/28/06