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MAIN FILE

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Mr. Keith R. Williams
Permits Division
Office of Environmental Services
Louisiana Department of Environmental Quality
P. O. Box 4312
Baton Rouge, LA 70821-4312

RECEIVED
JAN 29 2007
LDEQ

Dear Mr. Williams:

Re: Addendum to October 2001 RECAP Report
Chemtura Corporation
Geismar, Louisiana
Permit No. : LAD 008194060
Agency Interest Number: 1433

Conestoga-Rovers & Associates (CRA), on behalf of Chemtura Corporation (Chemtura), requests approval for an addendum to the October 2001 Risk Based/Corrective Action Program (RECAP) Evaluation Report for clean closure of the Cell B impoundment at the Chemtura-Geismar, Louisiana Facility (facility). Based on the results of the investigation activities completed in 2006 and the current RECAP evaluation, Chemtura is requesting closure of Cell B and the termination of the associated groundwater corrective action. The location of the facility and Cell B are shown on Figure 1. Pertinent background information and supporting documentation related to this request follows.

BACKGROUND

In 2001, Chemtura, retained CRA to assist in preparing the closure report for Cell B located at the Chemtura Geismar facility (previously the Crompton-Geismar facility). Chemtura submitted a report entitled "RECAP Evaluation Report Cell B" (Cell B RECAP Evaluation Report) to the Louisiana Department of Environmental Quality (LDEQ) in October 2001. The LDEQ issued an October 21, 2003 letter containing notice of deficiencies (NODs) in response to the Cell B RECAP Evaluation Report. Chemtura prepared responses to the NODs and submitted the responses in a Work Plan for Cell B (Work Plan) dated September 2004. The Work Plan included additional investigation activities to address a portion of the LDEQ NODs and to collect additional data for completion of RECAP evaluation of Cell B. The Work Plan was approved by the LDEQ in November 2006. Chemtura completed the additional investigation activities in November 2006. This report presents the results of the most recent investigation activities, along with a revised RECAP evaluation of Cell B. This document is

being presented by Chemtura as an addendum to the October 2001 Cell B RECAP Evaluation Report. Accordingly, pertinent site information related to the current RECAP evaluation is contained in the previous October 2001 RECAP Evaluation Report and the September 2004 Work Plan and is not repeated herein.

SUBSURFACE INVESTIGATION ACTIVITIES

As presented in the September 2004 Cell B Work Plan, six boring locations were selected in Cell B using a grid system. Boring locations were selected to determine if the objective of the closure activities were achieved. The proposed boring locations are shown on Figure 2.

Soil Sampling. On November 27, 2006, six soil borings, designated as SO-01A through SO-06A, were advanced within Cell B to a depth of approximately 5 feet below the base of the Cell B impoundment. The depth of the base of the impoundment averages approximately 5 feet below ground surface (bgs); therefore, the soil samples were collected from a depth of approximately 5 to 10 feet bgs. The borings were advanced using a Geoprobe. The direct-push sampling equipment was equipped with new, clean, disposable acetate liners for collection of soil samples on 2- to 3-foot intervals from the base of the impoundment to the completion depth of each boring.

Immediately upon collection, a portion of each soil sample was placed into a laboratory-supplied container and preserved on ice for possible laboratory analyses. Soil samples were collected from 0 to 3 feet and 3 to 5 feet below the base of the impoundment in each soil boring for laboratory analyses. Soil samples collected for volatile organic compounds (VOCs) were collected following SW-846 Method 5035 methodologies.

A portion of each soil sample was also placed into a glass jar and covered with aluminum foil. These samples were allowed to stabilize at ambient air temperature and the headspace in each container was measured with a portable photoionization detector (PID). Prior to use, the PID was calibrated in accordance with the manufacturer's specifications. The results of the soil vapor screening of the soil samples are included on the boring logs in Attachment A.

The remaining portion of each soil sample was visually and manually inspected. Using new, clean, latex gloves, CRA personnel examined the samples for soil type, color, and visible staining. Details of the soil inspected during installation of each boring were recorded on the boring logs, included in Attachment A.

Soil samples were submitted to Gulf Coast Analytical Laboratories (GCAL) in Baton Rouge, Louisiana, an LDEQ-accredited laboratory, for analysis of the previously approved list of

constituents of concern (COCs) as specified in the LDEQ-approved Work Plan. Soil samples were analyzed by GCAL for the following parameters: benzene, benzothiazole, 2(3H)-benzothiazolone, 2(3H)-benzothiazolethione, chlorobenzene, 1,2-dichloroethane, N-nitrosodiphenylamine (NDPA), and toluene (one constituent listed in the Work Plan, N[2,2-dimethylpropyl]-N-methylbenzenamine, was not analyzed because there was no accredited analytical method for analysis of this constituent). Also, an additional sample was collected from the same intervals and submitted to Pacific Analytical, Inc. (PAI), in Carlsbad, California, for analysis for NDPA and diphenylamine (DPA) using a method capable of detecting discrete concentrations of each of the two similar compounds. For this evaluation, the PAI results for DPA and NDPA were used in place of the GCAL results for NDPA. A summary of analytical constituents and results for soil samples collected from borings SO-01A through SO-06A is presented in Table 1. The laboratory analytical reports for the soil samples are included in Attachment B1.

Groundwater Data. Groundwater data from the 2006 quarterly, semi-annual, and annual groundwater sampling events were used to define and evaluate groundwater conditions for Cell B. Monitor wells N-09R, N-13A, N-14, N-19, N-22, RN-08, N-21, N-23, RN-06, N-16, and RN-07 are completed in Zone III and monitor wells N-15, N-17, and N-20 are completed in Zone VIA. A more detailed description of the site geology is presented in the previous October 2001 RECAP Evaluation Report and the September 2004 Work Plan and is not repeated herein. All the above-referenced monitor wells were sampled quarterly or semi-annually in 2006 for a previously identified site-specific list of constituents of potential concern and other field sampling parameters. Selected wells are also sampled annually for a complete list of volatile organics, semi-volatile organics, metals, and pesticides. Copies of the quarterly to annual laboratory analytical reports for the 2006 sampling events are included in Attachment B2. The analytical results for constituents that were detected at concentrations above the sample quantitation limits (SQLs) for Zone III are shown in Table 2 and for Zone VIA are shown in Table 3. The remaining constituents included in the 2006 groundwater laboratory analytical reports were non-detect and are not believed to be present.

RECAP EVALUATION CRITERIA

This RECAP evaluation utilized soil data collected during the November 2006 site investigation and groundwater data collected during the quarterly, semi-annual, and annual 2006 groundwater sampling events. The RECAP evaluation was used to evaluate the Cell B area of concern (AOC) for compliance with calculated RECAP Standards (RS) and the potential need for remedial activities. The evaluation was conducted in accordance with the LDEQ RECAP document dated October 20, 2003. A summary of the pertinent site RECAP information is

presented in a revised RECAP submittal summary (revised RECAP Form 1) which is included as Attachment C of this submittal.

RECAP Option Identification. AOC-1 was evaluated under the RECAP SO SS and RECAP Management Option 1 (MO-1). The following information is furnished to demonstrate appropriate applicability for site evaluation using these options:

AOC-1:

- An industrial exposure scenario is under consideration. AOC-1 is within an industrial area and no sensitive subpopulations exist on the site.
- The potential for human exposure is limited to exposure pathways via ingestion, outdoor inhalation from volatilization from the soil and groundwater, and dermal contact with impacted soil. Exposure pathways via surface water are virtually non-existent.
- The area of impacted soil in AOC-1 is approximately 0. 5 acre.
- NAPL is not present at the site.
- High fugitive dust emissions are not present due to the presence of the impoundment and/or vegetation cover over the entire site.
- Based on the relatively flat topography of the site, the potential for impact to any surface water via runoff is virtually non-existent. In addition, impact to biota is similarly non-existent.
- The potential for discharge of COCs to surface water via a groundwater discharge from the AOCs is virtually non-existent due to the low permeability of soils at the site and the distance to the nearest down-gradient surface water body from the site (greater than 2,000 feet).
- There are no unusual current or future site conditions that may affect exposure potential at the site.

DATA USABILITY

The analytical laboratory data generated during the November 2006 site investigation and the 2006 groundwater sampling events have been evaluated to determine if the data could be used for risk assessment purposes. In accordance with RECAP investigation requirements,

laboratory data were generated using EPA-approved analytical methods, sample quantitation limits were within acceptable limits, and blank QA/QC samples were provided periodically to assess field and/or laboratory contamination. Based on this review, the data is considered acceptable for use in this RECAP evaluation. An analytical data evaluation (RECAP Form 3) is included as Attachment D.

AOC IDENTIFCATION

Based on the findings from the initial site investigation, AOC-1 was identified based on sample locations that contained constituent concentrations above the Screening Option Screening Standards (SO SS). A site plan showing the boundaries of AOC-1 is presented on Figure 2. AOC-1 is rectangular in shape and encompasses soil sample locations SO-01A through SO-06A and monitor well locations N-09R, N-13A, N-14, N-19, N-22, RN-08, N-21, N-23, RN-06, N-16, and RN-07 in Zone III and monitor wells N-15, N-17, and N-20 in Zone VIA. The surface area of AOC-1 is approximately 1,177,630 square feet; however, the area of soil impact that exceeds the SO SS, which includes borings SO-03A through SO-06A, is approximately 0.5 acre.

POE AND POC

The nearest perennial water body in the downgradient direction is an unnamed tributary to the New River, and is not a source of drinking water (according to the Louisiana Administrative Code [LAC] Title 33:IX Chapter II). It is located farther than 2,000 feet down-gradient (northeast) from the AOC. The location is shown on Figure 1. As depicted on the figure, the drainages located east-northeast of AOC-1 were inspected in the field to verify the closest perennial surface water body where groundwater could potentially discharge to surface water. The drainages were found to be relatively shallow and dry at distances of more than 2,000 feet from the AOC. Accordingly, the distance to the nearest surface water body is interpreted to be greater than 2,000 feet. The POC for AOC-1 is proposed to be location of monitor well RN-07. The distance from the POC to the POE is shown on Figure 1.

ESTIMATE OF AREA OF INVESTGATION AND COMPLIANCE CONCENTRATIONS

The area of investigation concentrations (AOICs) for soils at the site have been determined in accordance with RECAP requirements and are presented on Table 4. The AOICs for soils represent the highest measured concentrations of the COCs in soil samples collected during the November 2006 site investigation. Analytical results for soil samples indicate the zone of impact is within the zone of surface soils (0 to 15 ft-bgs).

The compliance concentrations (CCs) for the POC are presented on Table 4. The CC for the groundwater COCs were determined as the highest measured concentrations of the COCs in the groundwater samples collected during the quarterly, semi-annual, and annual 2006 sampling events.

IDENTIFICATION OF THE RECAP STANDARDS FOR EACH IMPACTED MEDIUM

The LDEQ RECAP SO SS and MO-1 were considered in the evaluation of all exposure pathways at the site. The standards derived for each RECAP management option were determined as discussed below.

SCREENING OPTION

The RECAP SO SS for soil and groundwater has been determined based on the site land use scenario and a determination of risk-based parameters in accordance with the SO SS of the RECAP document. The site is considered an industrial facility; therefore, industrial SO SS values are applicable for the soils that are protective of human health for contact with surface soil ($Soil\_SS_i$). The $Soil\_SS_i$ were compared with the SS protective of groundwater (Soil_SSGW) and the lowest value was selected as the Limiting SS (LSS). The applicable SO SS for soil and groundwater were taken directly from Table 1 of the RECAP document, unless there was no RECAP standard listed for the constituent. There are no SO SS provided in the RECAP document for iron, 2(3H)-benzothiazolone, 2(3H)-benzothiazolethione, benzothiazole, and diphenylamine. SS values for these constituents were determined for each medium, as applicable, in accordance with Appendix H of the RECAP document. Documentation for development of SS for these constituents was provided in the previously approved RCRA Facility Investigation (RFI) Phase II Work Plan (updated in September 2004) and in the September 2004 Cell B Work Plan and is not repeated herein.

A comparison of the SO LSS with the AOICs for the soil (Table 4) indicates the following:

- 2(3H)-benzothiazolone and 2(3H)-benzothiazolethoine exceeded the SO SS in soils (0-15 ft-bgs).

A comparison of the SO LSS with the CCs for groundwater (Tables 4) indicates the following:

- iron, silver, thallium, 2(3H)-benzothiazolone, 2(3H)-benzothiazolethione, benzothiazole, NDPA, and heptachlor epoxide exceeded the SO SS for groundwater.

The constituents with AOIC or CC that were greater than the respective SO LSS values were carried forward to the next tier of evaluation in RECAP MO-1.

IDENTIFICATION OF THE MO-1 RECAP STANDARDS FOR EACH IMPACTED MEDIUM

The RS protective of contact with soil ($Soil_i$) and protective of groundwater ($SoilGW_{3NDW}$, $Soil_{sat}$, GW_{3NDW}, and water solubility) for each impacted medium (soil and groundwater) at the AOC have been determined with the MO-1 option. The RS protective of potential exposure to vapors from groundwater to outdoor air (GW_{airi}) was not required because none of the groundwater COCs are volatile constituents. The above-referenced MO-1 RS are based on the site land use scenario and site groundwater classification. The land use is industrial and the groundwater classification is designated as groundwater 3 non-drinking water. This groundwater classification is based on well use in the area and on the well yield calculation of less than 800 gallons per day, as provided in the October 2001 RECAP Evaluation Report.

$Soil_i$: The site is considered an industrial facility; therefore, industrial RS ($Soil_i$) are applicable that are protective of human health for contact with surface soil. Typically, the initial MO-1 RS for soil would be taken directly from Table 2 of the RECAP document; however, there are no MO-1 RS provided in the RECAP document for 2(3H)-benzothiazolone and 2(3H)-benzothiazolethione. The MO-1 $Soil_i$ RS for these constituents were determined in accordance with Appendix H of the RECAP document. Documentation of the calculations and assumptions used in developing RS for these constituents is included in Attachment E.

$Soil_{GW3NDW}$: The RS for soil concentrations protective of groundwater discharging to surface water, $Soil_{GW3NDW}$, are calculated using the following criteria:

- the distance from the POC to the POE, is greater than 2,000 feet as previously noted,
- an Sd, the thickness of the impacted groundwater within the permeable zone, value of < 5 feet.

There are no MO-1 RS provided in the RECAP document for 2(3H)-benzothiazolone and 2(3H)-benzothiazolethione. The MO-1 $Soil_{GW3NDW}$ RS for these constituents were determined in

accordance with Appendix H of the RECAP document. Documentation of the calculations and assumptions used in developing RS for this constituent is included in Appendix E.

The Sd value (<5 feet) and distance from the POC to the POE (greater than 2,000 feet) determines a dilution attenuation factor (DAF) of 440 from RECAP MO-1 Longitudinal DF3 Table located on page H-7 of the RECAP document. The DAF was applied to the $Soil_{GW3NDW}$ values to calculate an Adjusted $Soil_{GW3NDW}$ RS for each COC as listed on Table 5.

$Soil_{sat}$: The standard that limits a constituent to its saturation limit in soil ($Soil_{sat}$) is not provided in the RECAP document for 2(3H)-benzothiazolone and 2(3H)-benzothiazolethione. The MO-1 $Soil_{sat}$ RS values for these constituents were determined in accordance with Appendix H of the RECAP document. Documentation of the calculations and assumptions used in developing RS for this constituent is included in Attachment E. The $Soil_{sat}$ standards for each COC are listed on Table 5.

GW_{3NDW}: The RS for groundwater protective of potential discharge of constituents to surface water was determined with the same Sd value and the distance from the POC to the POE as the soil evaluation. The initial GW_{3NDW} RS were selected from the Table 3 of the RECAP document. There are no MO-1 RS provided in the RECAP document for iron, 2(3H)-benzothiazolone, and benzothiazole. The MO-1 GW_{3NDW} RS for these constituents were determined in accordance with Appendix H of the RECAP document. Documentation for development of the MO-1 RS for these constituents is included in Attachment E. The GW_{3NDW} standards for each COC are listed on Table 6.

The DAF of 440 was determined from RECAP MO-1 Longitudinal DF3 Table located on page H-7 and was applied to the GW_{3NDW} RS values from Table 3 of the RECAP document to calculate an Adjusted GW_{3NDW} RS for each COC as listed on Table 6.

2(3H)-benzothiazolethione was not included as a COC in the routine groundwater sample conducted in the monitoring well network associated with Cell B. Therefore, 2(3H)-benzothiazolethione was not analyzed in groundwater during the 2006 groundwater sampling events. This constituent was analyzed and detected in soil samples collected from beneath Cell B. To address the soil to groundwater pathway, the analytical data for 2(3H)-benzothiazolethione was evaluated with respect to its potential to leach to groundwater (at a concentration that exceeds the MO-1 LRS).

The MO-1 groundwater standard for 2(3H)-benzothiazolethione was developed, as approved in the Cell B Work Plan, using 2(3H)-benzothiazolethione as a surrogate. Therefore, the MO-1 LRS (and other standards) for 2(3H)-benzothiazolethione are the same as the LRS for benzothiazolone. To determine if there was a potential for 2(3H)-benzothiazolethione to leach

to the groundwater, a theoretical leachate calculation was evaluated. The maximum soil concentration for 2(3H)-benzothiazolethione of 28.8 mg/kg was divided by the default leaching dilution factor of 20 to arrive at 1.44 mg/L, which represents the maximum concentration of the constituent in a leachate from the soil that could impact groundwater. The resulting concentration of 1.44 mg/L was then compared to the MO-1 LRS for groundwater of 308 mg/L (see Table 6). This comparison indicates that the concentration of 2(3H)-benzothiazolethione in the soil is protective of the groundwater because it is considerably less than the concentration that would be necessary to potentially leach 2(3H)-benzothiazolethione to the groundwater at a concentration exceeding the groundwater standard. Thus, 2(3H)-benzothiazolethione was eliminated as a groundwater COC.

$GW_{Solubility}$: The standard that limits a constituent to its solubility in water was determined from RECAP Table 3, where applicable (see Table 6). There are no MO-1 RS provided in the RECAP document for 2(3H)-benzothiazolone, and benzothiazole. MO-1 $GW_{Solubility}$ RS for these constituents were determined from published sources as provided in the previously approved September 2004 Work Plan. The $GW_{Solubility}$ standards for each COC are listed on Table 6.

ADJUSTMENT OF RISK-BASED RS

Adjustments to the $Soil_i$ RS values identified above are required to account for additivity if more than one constituent present in the soil elicits non-carcinogenic effects on the same target organ/system. Additivity was accounted for each target organ system for $Soil_i$ on Table 5. As approved in the Cell B Work Plan, 2(3H)-benzothiazolone is a surrogate for 2(3H)-benzothiazolethione, therefore, both COCs have the same target organ systems. Accordingly, the $Soil_i$ RS for these constituents were divided by two to account for additivity. The adjusted $Soil_i$ RS are shown on Table 6.

IDENTIFICATION OF THE LIMITING RS

The Limiting RECAP Standards (LRS) for soil were determined by comparing the $Soil_i$, adjusted $Soil_{GW3NDW}$, and $Soil_{sat}$, and the lowest of these RS values was selected as the LRS. The LRS determined for soil in AOC-1 are presented on Table 5.

The LRS for groundwater were determined by comparing the adjusted GW_{3NDW} with the water solubility, and the lowest of these RS values was selected as the LRS. The LRS for groundwater in AOC-1 are presented on Table 6.

COMPARISON OF THE LIMITING RS TO THE SITE CONCENTRATIONS

The MO-1 LRS were compared with the AOICs for soil and CCs for groundwater in AOC-1, as shown on Table 7. The results indicate that none of the AOICs or CCs were reported above the LRS developed for the AOC.

ECOLOGICAL EVALUATION

In accordance with the RECAP document requirements, an Ecological Checklist (RECAP Form 18) was completed for the October 2001 RECAP Report (Appendix I) in order to make an initial determination of whether an ecological risk assessment would be required for the site. Based on site conditions and the checklist assessment criteria, no additional ecological assessment activities should be required at the site.

RECOMMENDATIONS

The RECAP evaluation presented herein demonstrates that the residual concentrations in the subsurface environment beneath Cell B in soil and groundwater were protective of human health and the environment in accordance with MO-1. The data and evaluation indicate that Cell B meets the requirements for clean closure and that termination of the groundwater corrective action system associated with Cell B is warranted.

Termination of the corrective action system consists of the following:

- Deactivating and removing the subsurface drain system; and
- Plugging and abandonment the following corrective action monitoring wells and piezometers (designated with a "P"):

N-23	N-17	P-1
N-21	N-20	P-2
N-09	N-15	P-3
RN-07	N-05	P-4
N-1	RN-13	P-5

Monitoring wells RN-06, RN-08, N-14 and N-16 are associated with the groundwater monitoring network required for the closed, permitted Cell A landfill and will remain in place.

Based on the findings of the site investigation and RECAP Evaluation, CRA recommends that a No Further Action-At This Time (NFA-ATT) status be granted for Cell B. In addition, CRA recommends that the above-referenced on-site monitor wells, identified on the previous page, be plugged and abandoned.

CLOSING STATEMENT

Thank you for your prompt consideration of this matter. Should you have questions regarding this submittal, please contact me at (225) 292-9007 or via e-mail at fedwards@craworld.com.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

For Frank D. Edwards

FDE/cms/2

c.c.: Laurie Peacock, LDEQ
Keith Gordon, Chemtura

TABLE 1

SOIL ANALYTICAL RESULTS
CHEMTURA CELL B
GEISMAR, LOUISIANA

(Result and Screening Standard values in mg/kg)

Parameters	*RECAP Limiting SS*	*SO-01A (0-3) ft.*	*SO-01A (3-5) ft.*	*SO-02A (0-3) ft.*	*SO-02A (3-5) ft.*	*SO-03A (0-3) ft.*	*SO-03A (3-5) ft.*	*SO-04A (0-3) ft.*	*SO-04A (3-5) ft.*	*SO-05A (0-3) ft.*	*SO-05A (3-5) ft.*	*SO-06A (0-3) ft.*	*SO-06A (3-5) ft.*
		11/27/06	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*	*11/27/06*
Volatile Organic Compounds													
1,2-Dichloroethane	0.035	<0.00479	<0.00460	<0.00457	<0.00434	<0.00493	<0.00479	<0.00482	<0.00473	<0.00455	<0.00495	<0.00501	<0.00496
Benzene	0.051	0.00416J	0.00226J	<0.00457	0.00224J	0.00512	0.00677	<0.00482	<0.00473	<0.00455	<0.00495	<0.00501	<0.00496
Chlorobenzene	3.0	0.030	0.098	0.00248J	0.00383J	0.018	<0.00479	<0.00482	<0.00473	0.015	0.00775	0.00158J	<0.00496
Toluene	20	<0.00479	<0.00460	0.00334J	0.00403J	0.011	0.017	<0.00482	<0.00473	<0.00455	0.00526	<0.00501	<0.00496
Semi-Volatile Organic Compounds													
2(3H)-Benzothiazolone	1.5	0.185J	0.297J	0.227J	0.468	0.449J	2.65	0.189J	0.079J	0.368	0.357	0.643	0.056J
2(3H)-Benzothiazolethione	1.5	1.05	0.213J	0.282J	0.326J	11.1	0.429J	3.11	0.348J	5.92	3.32	28.8	0.401J
Benzothiazole	6.5	0.034J	<0.329	<0.330	<0.328	0.176J	0.161J	<0.326	<0.330	0.222J	<0.330	<0.329	<0.328
n-Nitrosodiphenylamine	2.1	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Diphenylamine	40.8	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	7.428E	<0.333	<0.333	<0.333

Notes:
< - Not detected at or above the associated value.
E - Result exceeded calibration curve.
J - Estimated concentration.
RECAP Limiting SS - Except for parameters mentioned below, Limiting Screening Standard values are from Table 1 of LDEQ RECAP document dated October 20, 2003.
RECAP Limiting SS for 2(3H)-Benzothiazole, 2(3H)-Benzothiazolethione, Benzothiazole, and Diphenylamine were calculated according to RECAP Appendix H.
Cells that are highlighted report concentrations above the RECAP Limiting SS.

TABLE 2

ZONE III GROUNDWATER ANALYTICAL RESULTS
CHEMTURA CELL B
GEISMAR, LOUISIANA
(Result and Screening Standard values in mg/L)

Parameters	RECAP GWSS	*Date*	*N-09R*	*N-13A*	*N-14*	*N-16*	*N-19*	*N-21*	*N-22*	*N-23*	*RN-06*	*RN-07*	*RN-08*
Metals													
Barium	2.0	Mar. 2006	0.11	0.12	0.08	0.02	0.28	0.13	0.36	0.14	0.03	0.32	0.10
		May 2006	0.10	0.08	0.07	<0.01	NA	<0.01	NA	<0.01	<0.01	<0.01	0.06
		Aug. 2006	0.08	0.05	0.10	<0.01	0.12	<0.01	0.18	<0.01	<0.01	<0.01	0.03
		Nov. 2006	0.10	0.08	0.12	<0.01	NA	0.02	NA	0.02	<0.01	0.01	0.05
Iron	1.1	Mar. 2006	0.19	0.22	0.12	0.06	0.04	0.09	0.06	0.22	0.16	0.20	0.06
		May 2006	0.05	0.16	0.40	0.99	NA	0.14	NA	0.92	0.37	1.60	1.30
		Aug. 2006	0.22	0.11	0.46	1.68	0.72	0.30	0.85	1.13	0.68	1.62	0.16
		Nov. 2006	0.09	0.13	<0.01	1.20	NA	0.10	NA	0.51	0.43	1.10	1.10
Nickel	0.073	Mar. 2006	NA	<0.02	NA	0.02	NA	NA	NA	NA	<0.02	NA	NA
		May 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Aug. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Nov. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.018	Mar. 2006	NA	<0.01	NA	0.02	NA	NA	NA	NA	0.01	NA	NA
		May 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Aug. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Nov. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	Mar. 2006	NA	<0.01	NA	<0.01	NA	NA	NA	NA	0.01	NA	NA
		May 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Aug. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Nov. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semi-Volatile Organic Compounds													
2(3H)-Benzothiazolone	0.017	Mar. 2006	<0.01	<0.01	<0.01	0.340	<0.01	<0.01	<0.01	<0.01	0.22	2.720	<0.01
		May 2006	<0.01	<0.01	<0.01	0.480	NA	<0.01	NA	0.024	0.223	0.740	<0.01
		Aug. 2006	<0.01	<0.01	0.048	0.180	<0.01	<0.01	<0.01	0.022	0.192	0.710	<0.01
		Nov. 2006	<0.01	<0.01	0.400	0.290	NA	<0.01	NA	<0.01	0.228	1.930	<0.01
Benzothiazole	0.017	Mar. 2006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.200	<0.01
		May 2006	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01	<0.01	0.028	<0.01
		Aug. 2006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01
		Nov. 2006	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01	<0.01	0.109	<0.01
n-Nitrosodiphenylamine	0.014	Mar. 2006	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.019	<0.01
		May 2006	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01	0.011	<0.01	<0.01
		Aug. 2006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	<0.01	<0.01
		Nov. 2006	<0.01	<0.01	<0.01	<0.01	NA	<0.01	NA	<0.01	<0.01	0.011	<0.01
Pesticides													
Heptachlor Epoxide	0.0002	Mar. 2006	NA	<0.000056	NA	0.004	NA	NA	NA	NA	NA	0.014	NA
		May 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Aug. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Nov. 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
< - Not detected at or above the associated value.
NA - Not Analyzed.
RECAP GWSS - Except for parameters mentioned below, Groundwater Screening Standard values are from Table 1 of LDEQ RECAP document dated October 20, 2003.
RECAP GWSS for Iron, 2(3H)-Benzothiazolone, and Benzothiazole were calculated according to RECAP Appendix H.
Only groundwater parameters with detected concentrations are shown.
Cells that are highlighted report concentrations above the RECAP GWSS.

TABLE 3

ZONE VIA GROUNDWATER ANALYTICAL RESULTS
CHEMTURA CELL B
GEISMAR, LOUISIANA
(Result and Screening Standard values in mg/L)

Parameters	*RECAP GWSS*	*Date*	*N-15*	*N-17*	*N-20*
Metals					
Barium	2.0	Mar. 2006	0.34	0.54	0.34
		May 2006	NA	NA	NA
		Aug. 2006	0.33	0.53	0.30
		Nov. 2006	NA	NA	NA
Iron	1.1	Mar. 2006	0.02	0.06	0.52
		May 2006	NA	NA	NA
		Aug. 2006	0.30	0.74	0.54
		Nov. 2006	NA	NA	NA
Nickel	0.073	Mar. 2006	NA	<0.02	NA
		May 2006	NA	NA	NA
		Aug. 2006	NA	NA	NA
		Nov. 2006	NA	NA	NA
Silver	0.018	Mar. 2006	NA	<0.01	NA
		May 2006	NA	NA	NA
		Aug. 2006	NA	NA	NA
		Nov. 2006	NA	NA	NA
Thallium	0.002	Mar. 2006	NA	<0.01	NA
		May 2006	NA	NA	NA
		Aug. 2006	NA	NA	NA
		Nov. 2006	NA	NA	NA
Semi-Volatile Organic Compounds					
2(3H)-Benzothiazolone	0.017	Mar. 2006	<0.01	<0.01	<0.01
		May 2006	NA	NA	NA
		Aug. 2006	<0.01	<0.01	<0.01
		Nov. 2006	NA	NA	NA
Benzothiazole	0.017	Mar. 2006	<0.01	<0.01	<0.01
		May 2006	NA	NA	NA
		Aug. 2006	<0.01	<0.01	<0.01
		Nov. 2006	NA	NA	NA
n-Nitrosodiphenylamine	0.014	Mar. 2006	<0.01	<0.01	<0.01
		May 2006	NA	NA	NA
		Aug. 2006	<0.01	<0.01	<0.01
		Nov. 2006	NA	NA	NA
Pesticides					
Heptachlor Epoxide	0.0002	Mar. 2006	NA	<0.00005	NA
		May 2006	NA	NA	NA
		Aug. 2006	NA	NA	NA
		Nov. 2006	NA	NA	NA

Notes:
< - Not detected at or above the associated value.
NA - Not Analyzed.
RECAP GWSS - Except for parameters mentioned below, Groundwater Screening Standard values are from Table 1 of LDEQ RECAP document dated October 20, 2003.
RECAP GWSS for Iron, 2(3H)-Benzothiazolone, and Benzothiazole were calculated according to RECAP Appendix H.
Only groundwater parameters with detected concentrations are shown.
Cells that are highlighted report concentrations above the RECAP GWSS.

TABLE 4

LISTING OF SOIL AOIC AND GROUNDWATER CC
WITH A COMPARISON TO LIMITING SCREENING STANDARDS
CHEMTURA CELL B
GEISMAR, LOUISIANA

Constituent of Concern	*RECAP Soil Limiting Screening Standard (mg/kg)*	*Soil Area of Investigation Concentrations (AOIC) (mg/kg)*	*RECAP Groundwater Screening Standard (mg/L)*	*Groundwater Compliance Concentrations (CC) (mg/L)*
Metals				
Iron*	NA	NA	1.1	**1.68**
Silver**	NA	NA	0.018	**0.02**
Thallium**	NA	NA	0.002	**0.01**
Semi-Volatile Organic Compounds				
2(3H)-Benzothiazolone*	1.5	**2.65**	0.017	**2.720**
2(3H)-Benzothiazolethione*	1.5	**28.8**	0.017	**1.44^**
Benzothiazole*	6.5	<0.330	0.017	**0.200**
n-Nitrosodiphenylamine**	2.1	<0.333	0.014	**0.019**
Pesticides				
Heptachlor Epoxide**	NA	NA	0.0002	**0.0016**

Notes:

mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm)

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm)

* = Screening Standards calculated according to RECAP Appendix H.

** = Screening Standards are from LDEQ RECAP Table 1, Screening Standards for Soil and Groundwater.

^ = This constituent was not analyzed in groundwater; therefore, the theoretical maximum concentration that could be leached from soil to groundwater was calculated (28.8 mg/kg divided by the default dilution factor of 20 = 1.44 mg/L).

The reported soil Area of Investigation Concentrations and groundwater Compliance Concentrations are the maximum concentrations encountered for each constituent of concern from samples collected during the site investigation.

Bold and highlighted sample concentrations are those that exceed the Screening Standard.

TABLE 5

LIST OF LIMITING RS FOR SOIL
CHEMTURA CELL B
GEISMAR, LOUISIANA

Constituents of Concern (refer to Table 4)	*MO-1 Soil RECAP Standards (mg/kg)*							*Soil Limiting RECAP Standard*
	$Soil_i$	*Additivity Factor*	*Adjusted $Soil_i$*	*$Soil_{GW3NDW}$*	*Dilution Factor (POC to POE >2,000 ft)*	*Adjusted $Soil_{GW3NDW}$*	*$Soil_{sat}$*	
	A	B	C=A/B	C	D	E=C*D	F	MIN(C,E,F)
2(3H)-Benzothiazolone*	4,100	2	2,050	6.0	440	2,640	1,050	1,050
2(3H)-Benzothiazolethione*	4,100	2	2,050	6.0	440	2,640	1,050	1,050

Notes:

mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm)

* = Management Option 1 (MO-1) standards calculated according to LDEQ RECAP Appendix H.

TABLE 6

LIST OF LIMITING RS FOR GROUNDWATER
CHEMTURA CELL B
GEISMAR, LOUISIANA

Constituents of Concern (refer to Table 4)	*MO-1 Groundwater RECAP Standards (mg/L)*				*Groundwater Limiting RECAP Standard*
	GW_{3NDW}	*Dilution Factor (POC to POE >2,000 ft)*	*Adjusted GW_{3NDW}*	*GW Solubility*	
	A	B	C=A*B	D	MIN(C,D)
Iron*	192.7	440	84,788	NA	84,788
Silver**	0.54	440	238	NA	238
Thallium**	0.002	440	0.88	NA	0.88
2(3H)-Benzothiazolone*	0.7	440	308	2,350	308
2(3H)-Benzothiazolethione*	0.7	440	308	2,350	308
Benzothiazole*	0.7	440	308	28	28
n-Nitrosodiphenylamine**	0.0032	440	1.41	35	1.41
Heptachlor Epoxide**	0.0002	440	0.088	0.2	0.088

Notes:

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).

NA = Not applicable.

* = Management Option 1 (MO-1) Standards calculated according to RECAP Appendix H.

** = Standards are from LDEQ RECAP Table 3, Management Option 1 Standards for Groundwater.

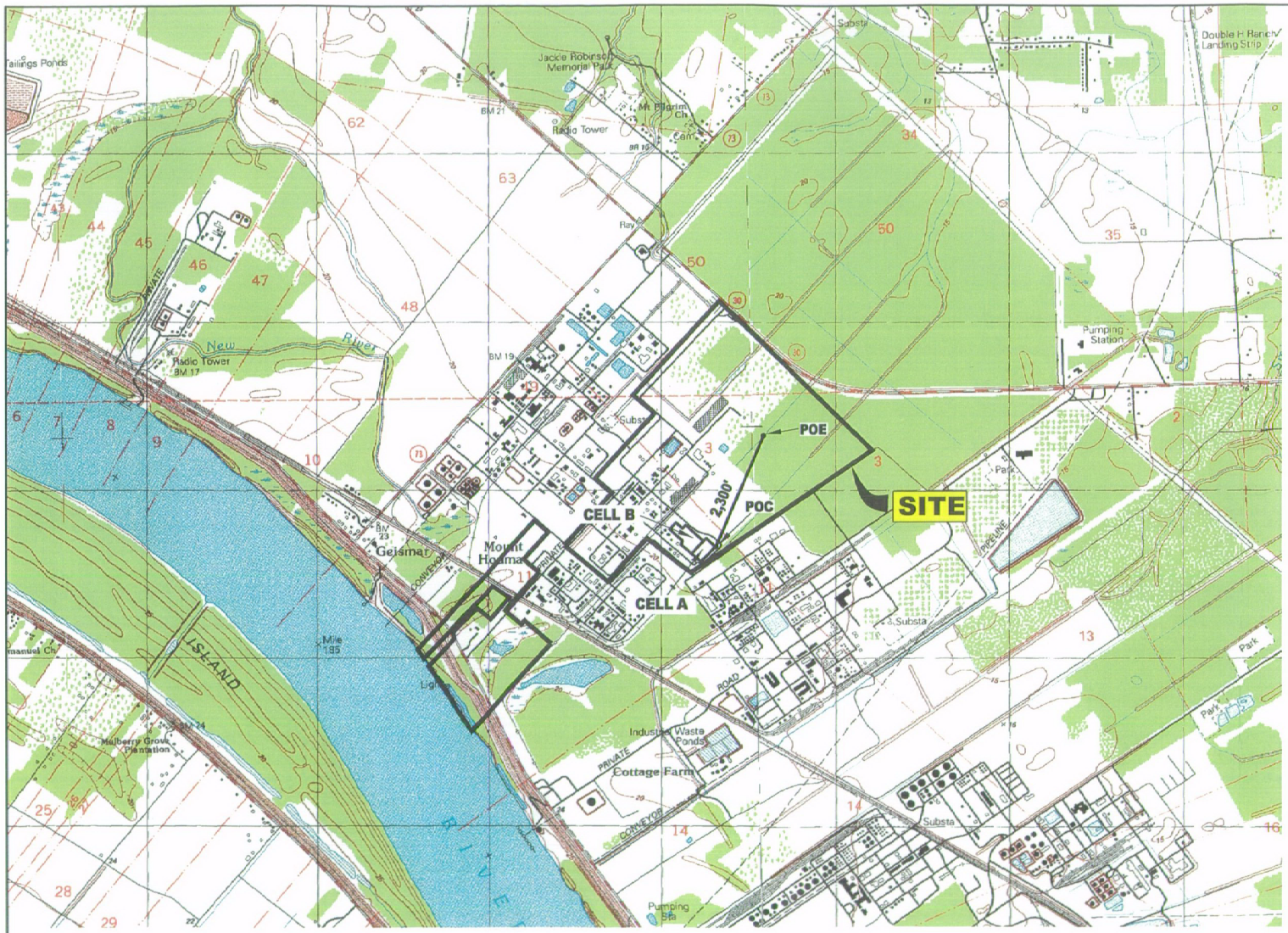
TABLE 7

COMPARISON OF LIMITING RS WITH SOIL AOI CONCENTRATIONS
AND GROUNDWATER COMPLIANCE CONCENTRATIONS
CHEMTURA CELL B
GEISMAR, LOUISIANA

Constituent of Concern	*Soil Limiting MO-1 RS*	*Source for Soil Limiting MO-1 RS*	*Soil Limiting MO-1 RS (mg/kg)*	*Soil AOICs (mg/kg)*	*Exceeds Limiting RS?*
2(3H)-Benzothiazolone	Soil Saturation	Calculated per RECAP Appendix H	1,050	2.65	No
2(3H)-Benzothiazolethione	Soil Saturation	Calculated per RECAP Appendix H	1,050	28.8	No

Constituent of Concern	*Groundwater LimitingMO-1 RS*	*Source for Groundwater LimitingMO-1 RS*	*Groundwater Limiting MO-1 RS (mg/L)*	*Groundwater CCs (mg/L)*	*Exceeds Limiting RS?*
Iron	Surface Water Protection	Calculated per RECAP Appendix H	84,788	1.68	No
Silver	Surface Water Protection	RECAP Table 3	238	0.02	No
Thallium	Surface Water Protection	RECAP Table 3	0.88	0.01	No
2(3H)-Benzothiazolone	Surface Water Protection	Calculated per RECAP Appendix H	308	2.720	No
2(3H)-Benzothiazolethione	Surface Water Protection	Calculated per RECAP Appendix H	308	1.44^	No
Benzothiazole	Groundwater Solubility	Cited from Literature	28	0.200	No
n-Nitrosodiphenylamine	Surface Water Protection	RECAP Table 3	1.41	0.019	No
Heptachlor Epoxide	Surface Water Protection	RECAP Table 3	0.088	0.0016	No

mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm).
mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).
^ = This constituent was not analyzed in groundwater; therefore, the theoretical maximum concentration that could be leached from soil to groundwater was calculated (28.8 mg/kg divided by the default dilution factor of 20 = 1.44 mg/L).



N

LEGEND

▬	CHEMTURA CORPORATION PROPERTY PERIMETER
POC	POINT OF COMPLIANCE
POE	POINT OF EXPOSURE

0 1000 2000ft

RE: U.S.G.S. 7.5-MINUTE SERIES TOPOGRAPHIC MAP, "CARVILLE, LOUISIANA", 1991 AND "GONZALES, LOUISIANA", 1991.

figure 1
VICINITY MAP
CELL B
Chemtura Corporation, Geismar, Louisiana

028093-01(WILL002)GN-BR001 JAN 25/2007

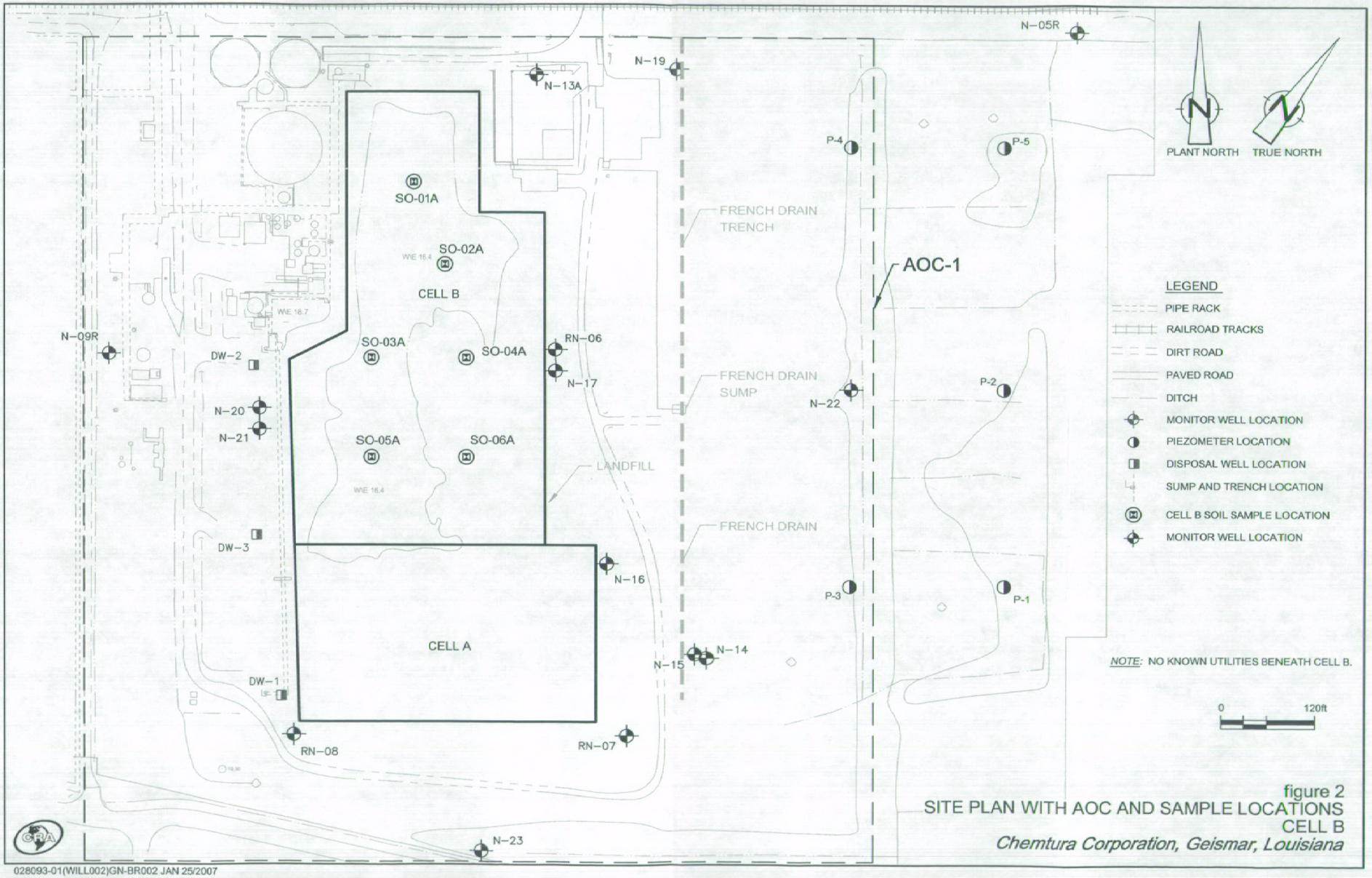


figure 2
SITE PLAN WITH AOC AND SAMPLE LOCATIONS
CELL B
Chemtura Corporation, Geismar, Louisiana

028093-01(WILL002)GN-BR002 JAN 25/2007

ATTACHMENT A

BORING LOGS
SO-01A THROUGH SO-06A

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-01A

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1245 Finish Time: 1310
					1.3						Gray and brown silty CLAY (CL) with iron nodules
					5.4						
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-02

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT
Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1315 Finish Time: 1340
					<1						Gray CLAY (CL) with black staining and iron nodules
					1.8						
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-03A

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT
Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1345 Finish Time: 1410
					<1						Gray silty CLAY (CL) with iron nodules
					<1						-- some sand
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-04A

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT
Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1605 Finish Time: 1625
					<1						Gray silty CLAY (CL)
					<1						-- some iron nodules
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-05A

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT
Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1415 Finish Time: 1440
					6.0						Gray silty CLAY (CL)
					<1						-- some iron nodules
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

BORING LOG

Project: Cell B Assessment
Chemtura Geismar Plant
Geismar, Louisiana

No. SO-06A

Client: Chemtura Corporation
LA Highway 30
Geismar, Louisiana

File No.: 28093-01
Date: 11/27/06
Drilling Co.: ProTech
Supervisor: Scott Bergeron
Type Rig: 6620DT
Logged by: JAD

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Direct-Push Sampler (2" O.D.): 0' to 5' Start Time: 1415 Finish Time: 1440
					<1		X				Gray silty CLAY (CL)
					<1		X				
								5			Boring terminated at 5' below the base of the impoundment and grouted to the surface with a thick cement-bentonite mix.
								10			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) MiniRae 2000 Photoionization Detector

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

ATTACHMENT B1

SOIL SAMPLE LABORATORY ANALYTICAL REPORTS

NELAP CERTIFICATE NUMBER 01955

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 11/30/2006

GCAL Report 206112742

Deliver To	Conestoga-Rover & Associates 4915 S. Sherwood Forest Blvd. Baton Rouge, LA 70816 292-9007
Attn	Shelley Bourgeois

Customer Conestoga-Rover & Associates

Project Crompton Cell B 28093-01

CASE NARRATIVE

Client: Conestoga-Rover & Associates **Report:** 206112742

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis for analytical batch 337831, no MS/MSD was performed due to insufficient sample volume. All LCS/LCSD recoveries and RPDs were acceptable.

In the SW-846 8260B analysis for analytical batch 337877, the MSD exhibited a sporadic recovery failure. All LCS/LCSD recoveries and RPDs were acceptable.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, samples 20611274205 (28093-JAD-112706-SO-03A(0-3)) and 20611274213 (28093-JAD-112706-SO-06A(0-3)) had to be diluted due to compounds that were detected above the linear range of the calibration. The dilutions are reflected in elelvated detection limits.

In the SW-846 8270C analysis for prep batch 337884, the MS/MSD recoveries for 2-(3H)Benzothiazolethione were 0% because the original sample result was greater than the MS/MSD results. The samples were re-extracted and re-analyzed with similar results. This is attributed to the non-homogenous matrix of the sample. All LCS/LCSD recoveries and RPDs were acceptable. The MB (433348) had one surrogate recovery outside control limits in the base-neutral fraction. All other surrogate recoveries were acceptable for this batch QC sample.

In the SW-846 8270C analysis for analytical batch 337831, no MS/MSD was performed because the only sample in the batch was an equipment blank. All LCS/LCSD recoveries and RPDs were acceptable.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206112742

THIS REPORT CONTAINS 48 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274201	28093-JAD-112706-SO-01A(0-3)	Solid	11/27/2006 13:00	11/27/2006 17:30
20611274202	28093-JAD-112706-SO-01A(3-5)	Solid	11/27/2006 13:05	11/27/2006 17:30
20611274203	28093-JAD-112706-SO-02A(0-3)	Solid	11/27/2006 13:30	11/27/2006 17:30
20611274204	28093-JAD-112706-SO-02A(3-5)	Solid	11/27/2006 13:35	11/27/2006 17:30
20611274205	28093-JAD-112706-SO-03A(0-3)	Solid	11/27/2006 14:00	11/27/2006 17:30
20611274206	28093-JAD-112706-SO-03A(3-5)	Solid	11/27/2006 14:05	11/27/2006 17:30
20611274207	28093-JAD-112706-SO-04A(0-3)	Solid	11/27/2006 16:15	11/27/2006 17:30
20611274208	28093-JAD-112706-SO-04A(3-5)	Solid	11/27/2006 16:20	11/27/2006 17:30
20611274209	28093-JAD-112706-SO-05A(0-3)	Solid	11/27/2006 14:30	11/27/2006 17:30
20611274210	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30
20611274211	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30
20611274212	28093-JAD-112706-SO-05A(3-5)	Solid	11/27/2006 14:35	11/27/2006 17:30
20611274213	28093-JAD-112706-SO-06A(0-3)	Solid	11/27/2006 15:45	11/27/2006 17:30
20611274214	28093-JAD-112706-SO-06A(3-5)	Solid	11/27/2006 15:50	11/27/2006 17:30
20611274215	28093-KMK-112706-WF-1	Water	11/27/2006 15:20	11/27/2006 17:30
20611274216	28093-KMK-112706-WE-1	Water	11/27/2006 15:30	11/27/2006 17:30
20611274217	TRIP BLANK	Water	11/27/2006 00:00	11/27/2006 17:30

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274201	28093-JAD-112706-SO-01A(0-3)	Solid	11/27/2006 13:00	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 14:47	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00479	0.000109	mg/kg
71-43-2	Benzene	0.00416J	0.00479	0.0000996	mg/kg
108-90-7	Chlorobenzene	0.030	0.00479	0.000158	mg/kg
108-88-3	Toluene	ND	0.00479	0.000527	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.048	.048	mg/kg	99	62 - 127
1868-53-7	Dibromofluoromethane	.048	.038	mg/kg	79	65 - 130
2037-26-5	Toluene d8	.048	.04	mg/kg	83	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.048	.037	mg/kg	76	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742-01	28093-JAD-112706-SO-01A(0-3)	Solid	11/27/2006 13:00	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 16:06	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.185J	0.327	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	1.05	0.743	0.145	mg/kg
95-16-9	Benzothiazole	0.034J	0.327	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.65	1.44	mg/kg	87	40 - 120
321-60-8	2-Fluorobiphenyl	1.65	1.37	mg/kg	83	37 - 124
1718-51-0	Terphenyl-d14	1.65	1.63	mg/kg	99	28 - 151
4165-62-2	Phenol-d5	3.3	2.78	mg/kg	84	40 - 114
367-12-4	2-Fluorophenol	3.3	2.82	mg/kg	85	38 - 119
118-79-6	2,4,6-Tribromophenol	3.3	2.58	mg/kg	78	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274202	28093-JAD-112706-SO-01A(3-5)	Solid	11/27/2006 13:05	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/28/2006 15:13	VWM	337831

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00460	0.000105	mg/kg
71-43-2	Benzene	0.00226J	0.00460	0.0000958	mg/kg
108-90-7	Chlorobenzene	0.098	0.00460	0.000152	mg/kg
108-88-3	Toluene	ND	0.00460	0.000506	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.046	.047	mg/kg	102	62 - 127
1868-53-7	Dibromofluoromethane	.046	.057	mg/kg	124	65 - 130
2037-26-5	Toluene d8	.046	.057	mg/kg	123	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.046	.055	mg/kg	119	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742 02	28093-JAD-112706-SO-01A(3-5)	Solid	11/27/2006 13:05	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 16:20	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.297J	0.329	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.213J	0.748	0.146	mg/kg
95-16-9	Benzothiazole	ND	0.329	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.38	mg/kg	83	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.34	mg/kg	81	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.73	mg/kg	104	28 - 151
4165-62-2	Phenol-d5	3.32	2.67	mg/kg	80	40 - 114
367-12-4	2-Fluorophenol	3.32	2.71	mg/kg	82	38 - 119
118-79-6	2,4,6-Tribromophenol	3.32	2.25	mg/kg	68	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274203	28093-JAD-112706-SO-02A(0-3)	Solid	11/27/2006 13:30	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/28/2006 15:37	VWM	337831

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00457	0.000104	mg/kg
71-43-2	Benzene	ND	0.00457	0.0000951	mg/kg
108-90-7	Chlorobenzene	0.00248J	0.00457	0.000151	mg/kg
108-88-3	Toluene	0.00334J	0.00457	0.000503	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.046	.049	mg/kg	106	62 - 127
1868-53-7	Dibromofluoromethane	.046	.058	mg/kg	126	65 - 130
2037-26-5	Toluene d8	.046	.056	mg/kg	123	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.046	.055	mg/kg	119	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742-03	28093-JAD-112706-SO-02A(0-3)	Solid	11/27/2006 13:30	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 16:35	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.227J	0.330	0.042	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.282J	0.750	0.146	mg/kg
95-16-9	Benzothiazole	ND	0.330	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.67	1.39	mg/kg	83	40 - 120
321-60-8	2-Fluorobiphenyl	1.67	1.32	mg/kg	79	37 - 124
1718-51-0	Terphenyl-d14	1.67	1.5	mg/kg	90	28 - 151
4165-62-2	Phenol-d5	3.33	2.74	mg/kg	82	40 - 114
367-12-4	2-Fluorophenol	3.33	2.86	mg/kg	86	38 - 119
118-79-6	2,4,6-Tribromophenol	3.33	2.49	mg/kg	75	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274204	28093-JAD-112706-SO-02A(3-5)	Solid	11/27/2006 13:35	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 15:08	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00434	0.0000990	mg/kg
71-43-2	Benzene	0.00224J	0.00434	0.0000903	mg/kg
108-90-7	Chlorobenzene	0.00383J	0.00434	0.000143	mg/kg
108-88-3	Toluene	0.00403J	0.00434	0.000477	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.043	.041	mg/kg	95	82 - 127
1868-53-7	Dibromofluoromethane	.043	.034	mg/kg	79	65 - 130
2037-26-5	Toluene d8	.043	.037	mg/kg	85	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.043	.031	mg/kg	72	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742 04	28093-JAD-112706-SO-02A(3-5)	Solid	11/27/2006 13:35	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 16:50	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.468	0.328	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.326J	0.745	0.145	mg/kg
95-16-9	Benzothiazole	ND	0.328	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.33	mg/kg	80	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.28	mg/kg	77	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.54	mg/kg	93	28 - 151
4165-62-2	Phenol-d5	3.31	2.62	mg/kg	79	40 - 114
367-12-4	2-Fluorophenol	3.31	2.68	mg/kg	81	38 - 119
118-79-6	2,4,6-Tribromophenol	3.31	2.3	mg/kg	69	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274205	28093-JAD-112706-SO-03A(0-3)	Solid	11/27/2006 14:00	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 15:28	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00493	0.000112	mg/kg
71-43-2	Benzene	0.00512	0.00493	0.000103	mg/kg
108-90-7	Chlorobenzene	0.018	0.00493	0.000163	mg/kg
108-88-3	Toluene	0.011	0.00493	0.000542	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.049	.044	mg/kg	90	62 - 127
1868-53-7	Dibromofluoromethane	.049	.038	mg/kg	77	65 - 130
2037-26-5	Toluene d8	.049	.039	mg/kg	79	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.049	.035	mg/kg	71	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742-05	28093-JAD-112706-SO-03A(0-3)	Solid	11/27/2006 14:00	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	2	11/29/2006 18:08	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.449J	0.653	0.082	mg/kg
149-30-4	2-(3H)Benzothiazolethione	11.1	1.49	0.289	mg/kg
95-16-9	Benzothiazole	0.176J	0.653	0.043	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.65	1.38	mg/kg	84	40 - 120
321-60-8	2-Fluorobiphenyl	1.65	1.39	mg/kg	84	37 - 124
1718-51-0	Terphenyl-d14	1.65	1.16	mg/kg	70	28 - 151
4165-62-2	Phenol-d5	3.3	2.77	mg/kg	84	40 - 114
367-12-4	2-Fluorophenol	3.3	2.88	mg/kg	87	38 - 119
118-79-6	2,4,6-Tribromophenol	3.3	2.14	mg/kg	65	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274206	28093-JAD-112706-SO-03A(3-5)	Solid	11/27/2006 14:05	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 15:49	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00479	0.000109	mg/kg
71-43-2	Benzene	0.00677	0.00479	0.0000996	mg/kg
108-90-7	Chlorobenzene	ND	0.00479	0.000158	mg/kg
108-88-3	Toluene	0.017	0.00479	0.000527	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.048	.046	mg/kg	96	62 - 127
1868-53-7	Dibromofluoromethane	.048	.037	mg/kg	77	65 - 130
2037-26-5	Toluene d8	.048	.042	mg/kg	87	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.048	.033	mg/kg	70	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274206	28093-JAD-112706-SO-03A(3-5)	Solid	11/27/2006 14:05	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:20	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	2.65	0.329	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.429J	0.748	0.146	mg/kg
95-16-9	Benzothiazole	0.161J	0.329	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.23	mg/kg	74	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.22	mg/kg	73	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.03	mg/kg	62	28 - 151
4165-62-2	Phenol-d5	3.32	2.33	mg/kg	70	40 - 114
367-12-4	2-Fluorophenol	3.32	2.5	mg/kg	75	38 - 119
118-79-6	2,4,6-Tribromophenol	3.32	2.12	mg/kg	64	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274207	28093-JAD-112706-SO-04A(0-3)	Solid	11/27/2006 16:15	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 16:09	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00482	0.000110	mg/kg
71-43-2	Benzene	ND	0.00482	0.000100	mg/kg
108-90-7	Chlorobenzene	ND	0.00482	0.000159	mg/kg
108-88-3	Toluene	ND	0.00482	0.000530	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.048	.047	mg/kg	98	62 - 127
1868-53-7	Dibromofluoromethane	.048	.039	mg/kg	80	65 - 130
2037-26-5	Toluene d8	.048	.042	mg/kg	86	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.048	.035	mg/kg	72	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742 07	28093-JAD-112706-SO-04A(0-3)	Solid	11/27/2006 16:15	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:34	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.189J	0.326	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	3.11	0.740	0.144	mg/kg
95-16-9	Benzothiazole	ND	0.326	0.021	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.64	1.38	mg/kg	84	40 - 120
321-60-8	2-Fluorobiphenyl	1.64	1.32	mg/kg	80	37 - 124
1718-51-0	Terphenyl-d14	1.64	1.21	mg/kg	74	28 - 151
4165-62-2	Phenol-d5	3.29	2.35	mg/kg	71	40 - 114
367-12-4	2-Fluorophenol	3.29	2.6	mg/kg	79	38 - 119
118-79-6	2,4,6-Tribromophenol	3.29	2.37	mg/kg	72	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742-08	26093-JAD-112706-SO-04A(3-5)	Solid	11/27/2006 16:20	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 16:30	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00473	0.000108	mg/kg
71-43-2	Benzene	ND	0.00473	0.0000983	mg/kg
108-90-7	Chlorobenzene	ND	0.00473	0.000156	mg/kg
108-88-3	Toluene	ND	0.00473	0.000520	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.047	.047	mg/kg	100	62 - 127
1868-53-7	Dibromofluoromethane	.047	.038	mg/kg	81	65 - 130
2037-26-5	Toluene d8	.047	.04	mg/kg	84	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.047	.036	mg/kg	76	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274208	28093-JAD-112706-SO-04A(3-5)	Solids	11/27/2006 16:20	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:49	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.079J	0.330	0.042	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.348J	0.750	0.146	mg/kg
95-16-9	Benzothiazole	ND	0.330	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.67	1.42	mg/kg	85	40 - 120
321-60-8	2-Fluorobiphenyl	1.67	1.42	mg/kg	85	37 - 124
1718-51-0	Terphenyl-d14	1.67	1.27	mg/kg	76	28 - 151
4165-62-2	Phenol-d5	3.33	2.58	mg/kg	77	40 - 114
367-12-4	2-Fluorophenol	3.33	2.89	mg/kg	87	38 - 119
118-79-6	2,4,6-Tribromophenol	3.33	2.33	mg/kg	70	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274209	28093-JAD-112706-SO-05A(0-3)	Solid	11/27/2006 14:30	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 16:50	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00455	0.000104	mg/kg
71-43-2	Benzene	ND	0.00455	0.0000945	mg/kg
108-90-7	**Chlorobenzene**	**0.015**	**0.00455**	**0.000150**	**mg/kg**
108-88-3	Toluene	ND	0.00455	0.000500	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.045	.044	mg/kg	97	62 - 127
1868-53-7	Dibromofluoromethane	.045	.036	mg/kg	79	65 - 130
2037-26-5	Toluene d8	.045	.038	mg/kg	83	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.045	.034	mg/kg	75	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274209	28093-JAD-112706-SO-05A(0-3)	Solid	11/27/2006 14:30	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 15:23	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.368	0.326	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	5.92	0.740	0.144	mg/kg
95-16-9	Benzothiazole	0.222J	0.326	0.021	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.64	1.19	mg/kg	72	40 - 120
321-60-8	2-Fluorobiphenyl	1.64	1.12	mg/kg	68	37 - 124
1718-51-0	Terphenyl-d14	1.64	1.22	mg/kg	74	28 - 151
4165-62-2	Phenol-d5	3.29	2.72	mg/kg	83	40 - 114
367-12-4	2-Fluorophenol	3.29	2.62	mg/kg	80	38 - 119
118-79-6	2,4,6-Tribromophenol	3.29	2.76	mg/kg	84	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
2061127421O	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 17:46	KCB	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	0.023	0.00520	0.000119	mg/kg
71-43-2	Benzene	0.028	0.00520	0.000108	mg/kg
108-90-7	Chlorobenzene	0.038	0.00520	0.000172	mg/kg
108-88-3	Toluene	0.022	0.00520	0.000572	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.052	.048	mg/kg	92	62 - 127
1868-53-7	Dibromofluoromethane	.052	.04	mg/kg	77	65 - 130
2037-26-5	Toluene d8	.052	.041	mg/kg	78	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.052	.038	mg/kg	73	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274210	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 15:37	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	1.22	0.326	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	3.24	0.740	0.144	mg/kg
95-16-9	Benzothiazole	1.26	0.326	0.021	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.64	1.05	mg/kg	64	40 - 120
321-60-8	2-Fluorobiphenyl	1.64	.991	mg/kg	60	37 - 124
1718-51-0	Terphenyl-d14	1.64	1.03	mg/kg	63	28 - 151
4165-62-2	Phenol-d5	3.29	2.31	mg/kg	70	40 - 114
367-12-4	2-Fluorophenol	3.29	2.23	mg/kg	68	38 - 119
118-79-6	2,4,6-Tribromophenol	3.29	2.21	mg/kg	67	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274211	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 18:11	KCB	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	0.024	0.00483	0.000110	mg/kg
71-43-2	Benzene	0.032	0.00483	0.000100	mg/kg
108-90-7	Chlorobenzene	0.041	0.00483	0.000159	mg/kg
108-88-3	Toluene	0.024	0.00483	0.000531	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.048	.051	mg/kg	106	62 - 127
1868-53-7	Dibromofluoromethane	.048	.042	mg/kg	86	65 - 130
2037-26-5	Toluene d8	.048	.042	mg/kg	88	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.048	.039	mg/kg	81	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274211	28093-JAD-112706-SO-05A(0-3) M	Solid	11/27/2006 14:30	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 15:51	JAR3	337920

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	1.39	0.327	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	3.93	0.743	0.145	mg/kg
95-16-9	Benzothiazole	1.40	0.327	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.65	1.23	mg/kg	75	40 - 120
321-60-8	2-Fluorobiphenyl	1.65	1.17	mg/kg	71	37 - 124
1718-51-0	Terphenyl-d14	1.65	1.15	mg/kg	70	28 - 151
4165-62-2	Phenol-d5	3.3	2.59	mg/kg	78	40 - 114
367-12-4	2-Fluorophenol	3.3	2.59	mg/kg	78	38 - 119
118-79-6	2,4,6-Tribromophenol	3.3	2.41	mg/kg	73	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274212	28093-JAD-112706-SO-05A(3-5)	Solid	11/27/2006 14:35	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 17:11	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00495	0.000113	mg/kg
71-43-2	Benzene	ND	0.00495	0.000103	mg/kg
108-90-7	Chlorobenzene	0.00775	0.00495	0.000163	mg/kg
108-88-3	Toluene	0.00526	0.00495	0.000545	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.045	mg/kg	91	62 - 127
1868-53-7	Dibromofluoromethane	.05	.038	mg/kg	76	65 - 130
2037-26-5	Toluene d8	.05	.038	mg/kg	77	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.05	.036	mg/kg	72	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742.12	28093-JAD-112706-SO-05A(3-5)	Solid	11/27/2006 14:35	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:30	JAR3	337922

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.357	0.330	0.042	mg/kg
149-30-4	2-(3H)Benzothiazolethione	3.32	0.750	0.146	mg/kg
95-16-9	Benzothiazole	ND	0.330	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.67	1.27	mg/kg	76	40 - 120
321-60-8	2-Fluorobiphenyl	1.67	1.34	mg/kg	80	37 - 124
1718-51-0	Terphenyl-d14	1.67	1.23	mg/kg	74	28 - 151
4165-62-2	Phenol-d5	3.33	2.47	mg/kg	74	40 - 114
367-12-4	2-Fluorophenol	3.33	2.32	mg/kg	70	38 - 119
118-79-6	2,4,6-Tribromophenol	3.33	1.79	mg/kg	54	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
206112742-13	28093-JAD-112706-SO-06A(0-3)	Solid	11/27/2006 15:45	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 18:52	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00501	0.000114	mg/kg
71-43-2	Benzene	ND	0.00501	0.000104	mg/kg
108-90-7	Chlorobenzene	0.00158J	0.00501	0.000165	mg/kg
108-88-3	Toluene	ND	0.00501	0.000551	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.049	mg/kg	98	62 - 127
1868-53-7	Dibromofluoromethane	.05	.041	mg/kg	82	65 - 130
2037-26-5	Toluene d8	.05	.041	mg/kg	82	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.05	.038	mg/kg	76	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274213	28093-JAD-112706-SO-06A(0-3)	Solid	11/27/2006 15:45	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:45	JAR3	337922

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.643	0.329	0.041	mg/kg
95-16-9	Benzothiazole	ND	0.329	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.4	mg/kg	84	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.62	mg/kg	98	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.01	mg/kg	61	28 - 151
4165-62-2	Phenol-d5	3.32	2.45	mg/kg	74	40 - 114
367-12-4	2-Fluorophenol	3.32	2.35	mg/kg	71	38 - 119
118-79-6	2,4,6-Tribromophenol	3.32	2.18	mg/kg	66	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274213	28093-JAD-112706-SO-06A(0-3)	Solid	11/27/2006 15:45	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	5	11/29/2006 18:29	JAR3	337922

CAS#	Parameter	Result	RDL	MDL	Units
149-30-4	2-(3H)Benzothiazolethione	28.8	3.74	0.728	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.38	mg/kg	83	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.45	mg/kg	87	37 - 124
1718-51-0	Terphenyl-d14	1.66	.887	mg/kg	53	28 - 151
4165-62-2	Phenol-d5	3.32	2	mg/kg	60	40 - 114
367-12-4	2-Fluorophenol	3.32	2.4	mg/kg	72	38 - 119

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274214	28093-JAD-112706-SO-06A(3-5)	Solid	11/27/2006 15:50	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 19:13	JCK	337877

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00496	0.000113	mg/kg
71-43-2	Benzene	ND	0.00496	0.000103	mg/kg
108-90-7	Chlorobenzene	ND	0.00496	0.000164	mg/kg
108-88-3	Toluene	ND	0.00496	0.000546	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.052	mg/kg	104	62 - 127
1868-53-7	Dibromofluoromethane	.05	.043	mg/kg	86	65 - 130
2037-26-5	Toluene d8	.05	.044	mg/kg	88	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.05	.04	mg/kg	81	62 - 125

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274214	28093-JAD-112706-SO-06A(3-5)	Solid	11/27/2006 15:50	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 11:30	337884	3550B	1	11/29/2006 17:59	JAR3	337922

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	0.056J	0.328	0.041	mg/kg
149-30-4	2-(3H)Benzothiazolethione	0.401J	0.745	0.145	mg/kg
95-16-9	Benzothiazole	ND	0.328	0.022	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.17	mg/kg	71	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.25	mg/kg	76	37 - 124
1718-51-0	Terphenyl-d14	1.66	.916	mg/kg	55	28 - 151
4165-62-2	Phenol-d5	3.31	2.18	mg/kg	66	40 - 114
367-12-4	2-Fluorophenol	3.31	2.04	mg/kg	62	38 - 119
118-79-6	2,4,6-Tribromophenol	3.31	1.67	mg/kg	50	25 - 115

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274215	28093-KMK-112706-WF-1	Water	11/27/2006 15:20	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/28/2006 22:11	ADI	337851

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00500	0.000176	mg/L
71-43-2	Benzene	ND	0.00500	0.000177	mg/L
108-90-7	Chlorobenzene	ND	0.00500	0.000162	mg/L
108-88-3	Toluene	ND	0.00500	0.000197	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.06	mg/L	120	78 - 130
1868-53-7	Dibromofluoromethane	.05	.057	mg/L	115	77 - 127
2037-26-5	Toluene d8	.05	.063	mg/L	126	76 - 134
17060-07-0	1,2-Dichloroethane-d4	.05	.05	mg/L	100	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274216	26093-KMK-112706-WE-1	Water	11/27/2006 15:30	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 00:19	ADI	337851

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00500	0.000176	mg/L
71-43-2	Benzene	ND	0.00500	0.000177	mg/L
108-90-7	Chlorobenzene	ND	0.00500	0.000162	mg/L
108-88-3	Toluene	ND	0.00500	0.000197	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.058	mg/L	116	78 - 130
1868-53-7	Dibromofluoromethane	.05	.057	mg/L	115	77 - 127
2037-26-5	Toluene d8	.05	.062	mg/L	125	76 - 134
17060-07-0	1,2-Dichloroethane-d4	.05	.051	mg/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274216	28093-KMK-112706-WE-1	Water	11/27/2006 15:30	11/27/2006 17:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
11/29/2006 17:00	337942	3510C	1	11/29/2006 19:29	JAR3	337922

CAS#	Parameter	Result	RDL	MDL	Units
934-34-9	2-(3H) Benzothiazolone	ND	0.010	0.00110	mg/L
149-30-4	2-(3H)Benzothiazolethione	ND	0.025	0.00440	mg/L
95-16-9	Benzothiazole	ND	0.010	0.000982	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	.05	.043	mg/L	87	43 - 110
321-60-3	2-Fluorobiphenyl	.05	.043	mg/L	86	16 - 128
1718-51-0	Terphenyl-d14	.05	.035	mg/L	70	47 - 121
4165-62-2	Phenol-d5	.1	.02	mg/L	20	10 - 76
367-12-4	2-Fluorophenol	.1	.035	mg/L	35	24 - 96
118-79-6	2,4,6-Tribromophenol	.1	.085	mg/L	85	19 - 133

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611274217	TRIP BLANK	Water	11/27/2006 00:00	11/27/2006 17:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/29/2006 06:47	ADI	337851

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	ND	0.00500	0.000176	mg/L
71-43-2	Benzene	ND	0.00500	0.000177	mg/L
108-90-7	Chlorobenzene	ND	0.00500	0.000162	mg/L
108-88-3	Toluene	ND	0.00500	0.000197	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.06	mg/L	119	78 - 130
1868-53-7	Dibromofluoromethane	.05	.057	mg/L	113	77 - 127
2037-26-5	Toluene d8	.05	.062	mg/L	124	76 - 134
17060-07-0	1,2-Dichloroethane-d4	.05	.049	mg/L	97	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 337831	Client ID	MB337831			LCS337831			LCSD337831			
Prep Batch N/A	GCAL ID	433572			433573			433574			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	11/28/2006 13:49			11/28/2006 13:01			11/28/2006 13:25			
	Matrix	Solid			Solid			Solid			
8260B, Volatiles		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
107-06-2	1,2-Dichloroethane	ND	0.00500	0.025	0.027	107	76 - 125	0.025	100	8	30
71-43-2	Benzene	ND	0.00500	0.025	0.028	111	80 - 120	0.027	108	4	21
108-88-3	Toluene	ND	0.00500	0.025	0.027	108	80 - 120	0.026	104	4	21
108-90-7	Chlorobenzene	ND	0.00500	0.025	0.026	104	80 - 120	0.025	101	4	21
Surrogate											
460-00-4	4-Bromofluorobenzene	49.6	99	50	53.4	107	62 - 127	53.6	107		
1868-53-7	Dibromofluoromethane	57.5	115	50	60.1	120	65 - 130	59.9	120		
2037-26-5	Toluene d8	62.1	124	50	58.5	117	71 - 132	59.1	118		
17060-07-0	1,2-Dichloroethane-d4	50.3	101	50	58.2	116	62 - 125	54.9	110		

Analytical Batch 337851	Client ID	MB337851			LCS337851			LCSD337851			
Prep Batch N/A	GCAL ID	433656			433657			433658			
	Sample Type	Method Blank			LCS			LCSD			
	Analytical Date	11/28/2006 21:46			11/28/2006 20:31			11/28/2006 20:56			
	Matrix	Water			Water			Water			
8260B, Volatiles		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
107-06-2	1,2-Dichloroethane	ND	0.00500	0.025	0.021	84	75 - 122	0.021	82	0	30
71-43-2	Benzene	ND	0.00500	0.025	0.025	99	80 - 120	0.024	96	4	11
108-88-3	Toluene	ND	0.00500	0.025	0.025	102	80 - 124	0.025	98	0	13
108-90-7	Chlorobenzene	ND	0.00500	0.025	0.028	110	80 - 125	0.027	107	4	13
Surrogate											
460-00-4	4-Bromofluorobenzene	61.1	122	50	61.2	122	78 - 130	60.3	121		
1868-53-7	Dibromofluoromethane	56.9	114	50	56.4	113	77 - 127	56.4	113		
2037-26-5	Toluene d8	63.1	126	50	62.2	124	76 - 134	61.5	123		
17060-07-0	1,2-Dichloroethane-d4	52.6	105	50	49.4	99	71 - 127	50.5	101		

000038

GC/MS Volatiles Quality Control Summary

Analytical Batch 337851	Client ID	28093-KMK-112706-WF-1	433355MS	433355MSD
Prep Batch N/A	GCAL ID	20611274215	433659	433660
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	11/28/2006 22:11	11/28/2006 22:37	11/28/2006 23:28
	Matrix	Water	Water	Water

8260B, Volatiles		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
107-06-2	1,2-Dichloroethane	0.00	0.00500	0.025	0.023	90	75 - 122	0.022	87	4	30
71-43-2	Benzene	0.00	0.00500	0.025	0.026	105	80 - 120	0.025	101	4	30
108-88-3	Toluene	0.00	0.00500	0.025	0.026	103	80 - 124	0.025	101	4	30
108-90-7	Chlorobenzene	0.00	0.00500	0.025	0.028	113	80 - 125	0.027	109	4	30
Surrogate											
460-00-4	4-Bromofluorobenzene	.06	120	50	60.2	120	78 - 130	60.6	121		
1868-53-7	Dibromofluoromethane	.057	115	50	56.9	114	77 - 127	56.9	114		
2037-26-5	Toluene d8	.063	126	50	62	124	76 - 134	60.7	121		
17060-07-0	1,2-Dichloroethane-d4	.05	100	50	54.2	108	71 - 127	52.8	106		

Analytical Batch 337877	Client ID	MB337877	LCS337877	LCSD337877
Prep Batch N/A	GCAL ID	433743	433744	433745
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	11/29/2006 14:23	11/29/2006 12:08	11/29/2006 13:10
	Matrix	Solid	Solid	Solid

8260B, Volatiles		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
107-06-2	1,2-Dichloroethane	ND	0.00500	0.025	0.020	82	76 - 125	0.021	84	5	30
71-43-2	Benzene	ND	0.00500	0.025	0.022	88	80 - 120	0.022	90	0	21
108-88-3	Toluene	ND	0.00500	0.025	0.021	83	80 - 120	0.021	82	0	21
108-90-7	Chlorobenzene	ND	0.00500	0.025	0.023	93	80 - 120	0.023	92	0	21
Surrogate											
460-00-4	4-Bromofluorobenzene	47.9	96	50	45.1	90	62 - 127	46.7	93		
1868-53-7	Dibromofluoromethane	37.1	74	50	39.1	78	65 - 130	38.7	77		
2037-26-5	Toluene d8	43	86	50	43.1	86	71 - 132	40.6	81		
17060-07-0	1,2-Dichloroethane-d4	36.2	72	50	38.4	77	62 - 125	38.1	76		

000039

GC/MS Volatiles Quality Control Summary

Analytical Batch 337877	Client ID	28093-JAD-112706-SO-05A(0-3)			28093-JAD-112706-SO-05A(0-3) M			28093-JAD-112706-SO-05A(0-3) M			
Prep Batch N/A	GCAL ID	20611274209			20611274210			20611274211			
	Sample Type	SAMPLE			MS			MSD			
	Analytical Date	11/29/2006 16:50			11/29/2006 17:46			11/29/2006 18:11			
	Matrix	Solid			Solid			Solid			
8260B, Volatiles		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
107-06-2	1,2-Dichloroethane	0.00	0.00455	0.026	0.023	87	76 - 125	0.024	98	4	30
71-43-2	Benzene	0.00	0.00455	0.026	0.028	107	80 - 120	0.032	133*	13	21
108-90-7	Chlorobenzene	0.015	0.00455	0.026	0.038	87	80 - 120	0.041	107	8	21
108-88-3	Toluene	0.00	0.00455	0.026	0.022	86	80 - 120	0.024	97	9	21
Surrogate											
460-00-4	4-Bromofluorobenzene	.044	97	.052	.048	92	62 - 127	.051	106		
1868-53-7	Dibromofluoromethane	.036	79	.052	.04	77	65 - 130	.042	86		
2037-26-5	Toluene d8	.038	83	.052	.041	78	71 - 132	.042	88		
17060-07-0	1,2-Dichloroethane-d4	.034	75	.052	.038	73	62 - 125	.039	81		

000040

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 337920		**Client ID**									
Prep Batch 337884		**GCAL ID**	433348			433349			433350		
Prep Method 3550B		**Sample Type**	Method Blank			LCS			LCSD		
		Prep Date	11/29/2006 11:30			11/29/2006 11:30			11/29/2006 11:30		
		Analytical Date	11/29/2006 14:08			11/29/2006 14:22			11/29/2006 14:37		
		Matrix	Solid			Solid			Solid		
8270C, SemiVolatiles		**Units** Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
95-16-9	Benzothiazole	ND	0.330	1.67	1.41	85	30 - 120	1.38	83	2	50
934-34-9	2-(3H) Benzothiazolone	ND	0.330	1.67	1.14	68	30 - 120	1.24	74	8	50
149-30-4	2-(3H)Benzothiazolethione	ND	0.750	1.67	0.968	58	30 - 120	1.15	69	17	50
Surrogate											
4165-60-0	Nitrobenzene-d5	652	39*	1670	775	47	40 - 120	979	59		
321-60-8	2-Fluorobiphenyl	666	40	1670	774	46	37 - 124	963	58		
1718-51-0	Terphenyl-d14	1130	68	1670	1210	73	28 - 151	1070	64		
4165-62-2	Phenol-d5	2090	63	3330	2350	71	40 - 114	2480	74		
367-12-4	2-Fluorophenol	1750	53	3330	2010	60	38 - 119	2290	69		
118-79-6	2,4,6-Tribromophenol	2150	65	3330	2360	71	25 - 115	2560	77		

Analytical Batch 337920		**Client ID**	28093-JAD-112706-SO-05A(0-3)			28093-JAD-112706-SO-05A(0-3) M			28093-JAD-112706-SO-05A(0-3) M		
Prep Batch 337884		**GCAL ID**	20611274209			20611274210			20611274211		
Prep Method 3550B		**Sample Type**	SAMPLE			MS			MSD		
		Prep Date	11/29/2006 11:30			11/29/2006 11:30			11/29/2006 11:30		
		Analytical Date	11/29/2006 15:23			11/29/2006 15:37			11/29/2006 15:51		
		Matrix	Solid			Solid			Solid		
8270C, SemiVolatiles		**Units** Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
934-34-9	2-(3H) Benzothiazolone	0.368	0.326	1.64	1.22	52	30 - 120	1.39	62	13	
149-30-4	2-(3H)Benzothiazolethione	5.92	0.740	1.64	3.24	-200*	30 - 120	3.93	-100*	19	
95-16-9	Benzothiazole	0.222	0.326	1.64	1.26	63	30 - 120	1.40	71	11	
Surrogate											
4165-60-0	Nitrobenzene-d5	1.19	72	1.64	1.05	64	40 - 120	1.23	75		
321-60-8	2-Fluorobiphenyl	1.12	68	1.64	.991	60	37 - 124	1.17	71		
1718-51-0	Terphenyl-d14	1.22	74	1.64	1.03	63	28 - 151	1.15	70		
4165-62-2	Phenol-d5	2.72	83	3.29	2.31	70	40 - 114	2.59	78		
367-12-4	2-Fluorophenol	2.62	80	3.29	2.23	68	38 - 119	2.59	78		
118-79-6	2,4,6-Tribromophenol	2.76	84	3.29	2.21	67	25 - 115	2.41	73		

000041

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 337922	**Client ID**	MB337942	LCS337942	LCSD337942
Prep Batch 337942	**GCAL ID**	434181	434182	434183
Prep Method 3510C	**Sample Type**	*Method Blank*	LCS	LCSD
	Prep Date	11/29/2006 17:00	11/29/2006 17:00	11/29/2006 17:00
	Analytical Date	11/29/2006 19:44	11/29/2006 19:59	11/29/2006 20:13
	Matrix	Water	Water	Water

8270C, SemiVolatiles		**Units**	mg/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
95-16-9	Benzothiazole	ND	0.010	0.050	0.046	92		0.048	96	4	
934-34-9	2-(3H) Benzothiazolone	ND	0.010	0.050	0.036	71		0.041	81	13	
149-30-4	2-(3H)Benzothiazolethione	0.010J	0.025	0.050	0.071	141		0.088	176	21	
Surrogate											
4165-60-0	Nitrobenzene-d5	41.9	84	50	41.6	83	43 - 110	42.7	85		
321-60-8	2-Fluorobiphenyl	39.9	80	50	40.1	80	16 - 128	40.8	82		
1718-51-0	Terphenyl-d14	32.2	64	50	32.3	65	47 - 121	33.9	68		
4165-62-2	Phenol-d5	24.7	25	100	22.3	22	10 - 76	26.4	26		
367-12-4	2-Fluorophenol	39.3	39	100	34.6	35	24 - 96	38.3	38		
118-79-6	2,4,6-Tribromophenol	84.8	85	100	78	78	19 - 133	83.7	84		

RETURN RESULTS TO CRA OFFICE NOTED:
X Baton Rouge, LA (225) 292-9007
__ Houston, TX (281) 492-8311
__ Oklahoma City, OK (405) 840-0301
__ Charlotte, NC (704) 876-0502
__ Nashville, TN (615) 778-2532
__ Shreveport, LA (318) 868-3003

Conestoga-Rovers & Associates
CHAIN-OF-CUSTODY RECORD

DOCUMENT No. № 35862
Purchase Order No. _____
Page 1 of 2

CRA 10267 / 206112742 / 11-29-06

Project No.	Project Name
28093-DO	Cell B Assessment Chemtura Geismar Plant

Samplers: (Print/Signature) 1. John Dizimo / 2. / 3. /

Sample I.D.	Date	Time	Comp.	Grab	Coll. By 1,2,3	Matrix	No. of Containers	Barium/6010 as per Shelly	Benzene/8260	Benzothiazole/8270	2(3H) Benzothiazolone/8270	2(3H) Benzothiazolethione/8270	Chlorobenzene/8260	1,2-Dichloroethane/8260	Toluene/8260			Remarks
28093-JAD-112706-SO-01A (0-3)	11/27/06	1300		X	1	SOIL	5	X	X	X	X	X	X	X	X			1
28093-JAD-112706-SO-01A (3-5)	11/27/06	1305		X	1	SOIL	5	X	X	X	X	X	X	X	X			2
28093-JAD-112706-SO-02A (0-3)	11/27/06	1330		X	1	SOIL	5	X	X	X	X	X	X	X	X			3
28093-JAD-112706-SO-02A (3-5)	11/27/06	1335		X	1	SOIL	5	X	X	X	X	X	X	X	X			4
28093-JAD-112706-SO-03A (0-3)	11/27/06	1400		X	1	SOIL	5	X	X	X	X	X	X	X	X			5
28093-JAD-112706-SO-03A (3-5)	11/27/06	1405		X	1	SOIL	5	X	X	X	X	X	X	X	X			6
28093-JAD-112706-SO-04A (0-3)	11/27/06	1615		X	1	SOIL	5	X	X	X	X	X	X	X	X			7
28093-JAD-112706-SO-04A (3-5)	11/27/06	1620		X	1	SOIL	5	X	X	X	X	X	X	X	X			8
28093-JAD-112706-SO-05A (0-3)	11/27/06	1430		X	1	SOIL	5	X	X	X	X	X	X	X	X			*MS/MSD* 9,10,11
28093-JAD-112706-SO-05A (3-5)	11/27/06	1435		X	1	SOIL	5	X	X	X	X	X	X	X	X			12
						CHECK IF PRESERVED:												

Relinquished by (Signature):	Date	Time	Received by (Signature):	Relinquished by (Signature):	Date	Time	Received by (Signature):
[signature]	11/27/06	1730	R. Herald				
Relinquished by (Signature):	**Date**	**Time**	**Received by (Signature):**	**Relinquished by (Signature):**	**Date**	**Time**	**Received for Lab by (Signature):**

ALL SAMPLES ICED IN THE FIELD AND DURING TRANSPORT TO THE LAB.
X YES ___ NO

CRA CONTACT: Frank Edwards

TRANSPORTED BY: CRA

LABORATORY: GCAL

ANALYSES TO BE COMPLETED:
X FAST TURNAROUND ___ NORMAL TURNAROUND PERIOD
DATE: _____ X CALL CRA WITH RESULTS UPON COMPLETION

WHITE (REPORT COPY) YELLOW (LABORATORY COPY) PINK (PROJECT MANAGER COPY) GOLD (FILE COPY)

000043

RETURN RESULTS TO CRA OFFICE NOTED:
X Baton Rouge, LA (225) 292-9007
__ Houston, TX (281) 492-8311
__ Oklahoma City, OK (405) 840-0301
__ Charlotte, NC (704) 676-0502
__ Nashville, TN (615) 778-2532
__ Shreveport, LA (318) 865-3003

Conestoga-Rovers & Associates
CHAIN-OF-CUSTODY RECORD

DOCUMENT No. № 35015
Purchase Order No. _____

CRA/02607/20611 2742/11-29-06

Project No. 28093-00
Project Name Cell B Assessment Chemtura Geismar Plant

Samplers: (Print/Signature)
1. John Dizinno
2. Katie Kinchen
3. _____

Sample I.D.	Date	Time	Comp.	Grab	Coll. By 1,2,3	Matrix	No. of Containers	Benzene/Toluene/8260	Benzene/8260	Benzothiazole/8270	2(3H) Benzothiazolone/8270	2(3H) Benzothiazolethione/8270	Chlorobenzene/8260	1,2-Dichloroethane/8260	Toluene/8260			Remarks
28093-JAD-112706-SO-06A(0-3)	11/27/06	1545		X	1	SOIL	5	X	X	X	X	X	X	X	X			13
28093-JAD-112706-SO-06A(3-5)	11/27/06	1550		X	1	SOIL	5	X	X	X	X	X	X	X	X			14
28093-KMK-112706-WF-1	11/27/06	1520		X	2	water	3		X				X	X	X			15
28093-KMK-112706-WF-1	11/27/06	1530		X	2	water	5	X	X	X	X	X	X	X	X			16
TRIP BLANK	—	—			LAB	Water	3		X				X	X	X			17
CHECK IF PRESERVED:																		

Relinquished by (Signature):	Date	Time	Received by (Signature):	Relinquished by (Signature):	Date	Time	Received by (Signature):
John Dizinno	11/27/06	1730	R Herald				
Relinquished by (Signature):	**Date**	**Time**	**Received by (Signature):**	**Relinquished by (Signature):**	**Date**	**Time**	**Received for Lab by (Signature)**

ALL SAMPLES ICED IN THE FIELD AND DURING TRANSPORT TO THE LAB.
X YES ___ NO

CRA CONTACT: Frank Edwards

TRANSPORTED BY: CRA

LABORATORY: GCAL 4°C

ANALYSES TO BE COMPLETED:
X FAST TURNAROUND ___ NORMAL TURNAROUND PERIOD
DATE: _____ X CALL CRA WITH RESULTS UPON COMPLETION

WHITE (REPORT COPY) YELLOW (LABORATORY COPY) PINK (PROJECT MANAGER COPY) GOLD (FILE COPY)

0000044

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206112742	Type:	D
Desc:		Report:	REVIEW_RPT
Work ID:	Crompton Cell B 28093	Status:	WP
Project Seq:	50124	Created:	11/27/2006 17:44
Client:	0267 - Conestoga-Rover & Associates	QA:	
Profile:	66883 - Cell B - Crompton Cell B 28093	PO:	4000645

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274201-1	OC	NONE			X			X	OK
20611274201-2	OC	NONE			X			X	OK
20611274201-3	OC	NONE			X			X	OK
20611274201-4	OC	NONE			X			X	OK
20611274201-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	**A**	**U**	**N\A**	**A**	**U**	**N\A**	**CONTAINER CONDITION**
20611274202-1	OC	NONE			X			X	OK
20611274202-2	OC	NONE			X			X	OK
20611274202-3	OC	NONE			X			X	OK
20611274202-4	OC	NONE			X			X	OK
20611274202-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	**A**	**U**	**N\A**	**A**	**U**	**N\A**	**CONTAINER CONDITION**
20611274203-1	OC	NONE			X			X	OK
20611274203-2	OC	NONE			X			X	OK
20611274203-3	OC	NONE			X			X	OK
20611274203-4	OC	NONE			X			X	OK
20611274203-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	**A**	**U**	**N\A**	**A**	**U**	**N\A**	**CONTAINER CONDITION**
20611274204-1	OC	NONE			X			X	OK
20611274204-2	OC	NONE			X			X	OK
20611274204-3	OC	NONE			X			X	OK
20611274204-4	OC	NONE			X			X	OK
20611274204-5	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274205-1	OC	NONE			X			X	OK
20611274205-2	OC	NONE			X			X	OK
20611274205-3	OC	NONE			X			X	OK
20611274205-4	OC	NONE			X			X	OK
20611274205-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274206-1	OC	NONE			X			X	OK
20611274206-2	OC	NONE			X			X	OK
20611274206-3	OC	NONE			X			X	OK
20611274206-4	OC	NONE			X			X	OK
20611274206-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274207-1	OC	NONE			X			X	OK
20611274207-2	OC	NONE			X			X	OK
20611274207-3	OC	NONE			X			X	OK
20611274207-4	OC	NONE			X			X	OK
20611274207-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274208-1	OC	NONE			X			X	OK
20611274208-2	OC	NONE			X			X	OK
20611274208-3	OC	NONE			X			X	OK
20611274208-4	OC	NONE			X			X	OK
20611274208-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274209-1	OC	NONE			X			X	OK
20611274209-2	OC	NONE			X			X	OK
20611274209-3	OC	NONE			X			X	OK
20611274209-4	OC	NONE			X			X	OK
20611274209-5	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20611274210-1	OC	NONE			X			X	OK
20611274210-2	OC	NONE			X			X	OK
20611274210-3	OC	NONE			X			X	OK
20611274210-4	OC	NONE			X			X	OK
20611274210-5	4	NONE			X			X	OK

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20611274211-1	OC	NONE			X			X	OK
20611274211-2	OC	NONE			X			X	OK
20611274211-3	OC	NONE			X			X	OK
20611274211-4	OC	NONE			X			X	OK
20611274211-5	4	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274212-1	OC	NONE			X			X	OK
20611274212-2	OC	NONE			X			X	OK
20611274212-3	OC	NONE			X			X	OK
20611274212-4	OC	NONE			X			X	OK
20611274212-5	4	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274213-1	OC	NONE			X			X	OK
20611274213-2	OC	NONE			X			X	OK
20611274213-3	OC	NONE			X			X	OK
20611274213-4	OC	NONE			X			X	OK
20611274213-5	4	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274214-1	OC	NONE			X			X	OK
20611274214-2	OC	NONE			X			X	OK
20611274214-3	OC	NONE			X			X	OK
20611274214-4	OC	NONE			X			X	OK
20611274214-5	4	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274215-1	40	HCL			✓	✓			OK
20611274215-2	40	HCL			✓	✓			OK
20611274215-3	40	HCL			✓	✓			OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20611274216-1	LA	NONE			X			X	OK
20611274216-2	LA	NONE			X			X	OK
20611274216-3	40	HCL			✓	✓			OK
20611274216-4	40	HCL			✓	✓			OK
20611274216-5	40	HCL			✓	✓			OK

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20611274217-1	40	HCL			✓	✓			OK
20611274217-2	40	HCL			✓				OK
20611274217-3	40	HCL			✓	✓			OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [ ] Yes [ ] No
in tact [ ] Yes [ ] No

LABEL(S) VERIFIED MM CUSTODIAN RBG

JDT

Pacific Analytical, Inc.

6056 Corte Del Cedro, Carlsbad, CA 92011

Phone (760) 496-2200

FAX (760) 496-2211

01 December 2006

Shelley Bourgeois
Conestoga-Rovers & Associates
4915 S. Sherwood Forest Blvd.
Baton Rouge, LA 70816
Dear Ms. Bourgeois,

Please find attached the results for the diphenylamine (DPA) measurements in your clay samples received 28 November 2006. The surrogates acenaphthene-d10, phenanthrene-d10 and 2,6-dinitrotoluene-d3 are spiked into the sample before extraction. The surrogate 2,6-dinitrotoluene-d3 is associated with the NDPA fraction. The surrogates acenaphthene-d10 and phenathrene-d10 are associated with the DPA fraction and will be reported with that data.

The sample used for MS/MSD contained DPA. The sample was a thick clay with ribbons of black mixed in the matrix. We tried to composite the sample in order to take 3 representative aliquots. We were not able to do that very well because the extracts varied greatly in color and in the amount of DPA present. The sample itself contained 7400 uG/kG of DPA, however, the samples spiked at 3333 uG/kG contained less than half the amount in the spiked sample. We will try and recomposite the MS/MSD sample to produce better aliquots, but it may not be possible. The reason is that particles of DPA mixed into the thick clay may not be visible, and we cannot shear the thick clay sufficiently to homogenize the sample.

Each 30 gram aliquot of sample was ground with 60 grams of anhydrous sodium sulfate to produce a sandy type matrix. This was done to allow good contact between the extraction solvent and the clay matrix. Acetone can not be used in the determination of N-nitroso compounds, because it reacts with them.

The spiked blanks and lab blanks are still acquiring and will be reported Monday.

Sincerely,

CD Parsons

C. Stephen Parsons
Laboratory Manager
Pacific Analytical, Inc.

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-01A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-001
Lab File ID: 12K3033
Date Analyzed: 12/01/06
Time Analyzed: 0415

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	84.0 %
Phenanthrene-d10	89.2 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3033

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-01A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.020 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-002
Lab File ID: 12K3034
Date Analyzed: 12/01/06
Time Analyzed: 0452

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	77.0 %
Phenanthrene-d10	84.2 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3034

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-02A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.030 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-003
Lab File ID: 12K3035
Date Analyzed: 12/01/06
Time Analyzed: 0529

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	80.4 %
Phenanthrene-d10	87.3 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3035

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-02A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.030 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-004
Lab File ID: 12K3036
Date Analyzed: 12/01/06
Time Analyzed: 0606

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	80.1 %
Phenanthrene-d10	84.2 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3036

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-03A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-005
Lab File ID: 12K3037
Date Analyzed: 12/01/06
Time Analyzed: 0643

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	73.2 %
Phenanthrene-d10	84.1 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3037

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-03A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.040 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-006
Lab File ID: 12K3038
Date Analyzed: 12/01/06
Time Analyzed: 0720

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	76.4 %
Phenanthrene-d10	84.6 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3038

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-04A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.040 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-007
Lab File ID: 12K3039
Date Analyzed: 12/01/06
Time Analyzed: 0757

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	66.1 %
Phenanthrene-d10	79.4 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3039

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-04A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.020 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-008
Lab File ID: 12K3040
Date Analyzed: 12/01/06
Time Analyzed: 0834

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	83.2 %
Phenanthrene-d10	87.5 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3040

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009
Lab File ID: 12K3041
Date Analyzed: 12/01/06
Time Analyzed: 0911

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	7428	E	333

Surrogate Recoveries

Acenaphthene-d10	83.8 %
Phenanthrene-d10	90.6 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3041

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)MS

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009MS
Lab File ID: 12K3042
Date Analyzed: 12/01/06
Time Analyzed: 0948

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Diphenylamine	2024	333

Surrogate Recoveries

Acenaphthene-d10	77.8 %
Phenanthrene-d10	84.8 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3042

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)MSD

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009MSD
Lab File ID: 12K3043
Date Analyzed: 12/01/06
Time Analyzed: 1025

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Diphenylamine	2715	333

Surrogate Recoveries

Acenaphthene-d10	83.8 %
Phenanthrene-d10	86.8 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3043

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-010
Lab File ID: 12K3044
Date Analyzed: 12/01/06
Time Analyzed: 1102

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	76.8 %
Phenanthrene-d10	83.0 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3044

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-06A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-011
Lab File ID: 12K3045
Date Analyzed: 12/01/06
Time Analyzed: 1139

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	76.8 %
Phenanthrene-d10	86.5 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3045

DPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-06A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-012
Lab File ID: 12K3046
Date Analyzed: 12/01/06
Time Analyzed: 1216

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Diphenylamine	_____	U	333

Surrogate Recoveries

Acenaphthene-d10	79.8 %
Phenanthrene-d10	83.1 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3046

Pacific Analytical, Inc.

6056 Corte Del Cedro, Carlsbad, CA 92011

Phone (760) 496-2200

FAX (760) 496-2211

01 December 2006

Shelley Bourgeois
Conestoga-Rovers & Associates
4915 S. Sherwood Forest Blvd.
Baton Rouge, LA 70816
Dear Ms. Bourgeois,

Please find attached the results for the N-nitrosodiphenylamine (NDPA) measurements in your clay samples received 28 November 2006. In addition, we are analyzing the sample for diphenylamine (DPA) and this data will be available later today. The surrogates acenaphthene-d10, phenanthrene-d10 and 2,6-dinitrotoluene-d3 are spiked into the sample before extraction. The surrogate 2,6-dinitrotoluene-d3 is associated with the NDPA fraction. In addition we have added 2,4-dinitrotoluene-d3 to evaluate the column chromatography. This compound is added after extraction and before chromatographic fractionation to separate the NDPA from the DPA. The recovery of the surrogate 2,4-dinitrotoluene-d3 does not appear to completely recover in the NDPA fraction but we reported it anyway for completeness. The surrogates acenaphthene-d10 and phenathrene-d10 are associated with the DPA fraction and will be reported with that data.

The samples contained NDPA below the method detection limit and are thus reported as not detected.

Two ongoing precision and recovery (OPR) samples were spiked at 3333 uG/kG with DPA and NDPA. The recovery in these QC samples was 99 and 97 percent.

Sincerely,

C. Stephen Parsons
Laboratory Manager
Pacific Analytical, Inc.

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-01A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-001
Lab File ID: 12K3007
Date Analyzed: 11/30/06
Time Analyzed: 1210

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	86.9 %
2,4-Dinitrotoluene-d3	27.6 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3007

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-01A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.020 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-002
Lab File ID: 12K3008
Date Analyzed: 11/30/06
Time Analyzed: 1247

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg	
Nitrosodiphenylamine	_____	U	333	
Surrogate Recoveries				
2,6-Dinitrotoluene-d3				83.2 %
2,4-Dinitrotoluene-d3				30.6 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3008

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-02A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.030 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-003
Lab File ID: 12K3009
Date Analyzed: 11/30/06
Time Analyzed: 1324

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	78.6 %
2,4-Dinitrotoluene-d3	21.2 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3009

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-02A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.030 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-004
Lab File ID: 12K3010
Date Analyzed: 11/30/06
Time Analyzed: 1401

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	78.8 %
2,4-Dinitrotoluene-d3	1.93 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3010

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-03A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-005
Lab File ID: 12K3011
Date Analyzed: 11/30/06
Time Analyzed: 1437

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg	
Nitrosodiphenylamine	_____	U	333	
Surrogate Recoveries				
2,6-Dinitrotoluene-d3				78.3 %
2,4-Dinitrotoluene-d3				7.31 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3011

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-03A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.040 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-006
Lab File ID: 12K3012
Date Analyzed: 11/30/06
Time Analyzed: 1514

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	84.2 %
2,4-Dinitrotoluene-d3	1.26 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3012

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-04A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.040 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-007
Lab File ID: 12K3013
Date Analyzed: 11/30/06
Time Analyzed: 1551

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg	
Nitrosodiphenylamine	_____	U	333	
Surrogate Recoveries				
2,6-Dinitrotoluene-d3				90.2 %
2,4-Dinitrotoluene-d3				26.5 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3013

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-04A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.020 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-008
Lab File ID: 12K3014
Date Analyzed: 11/30/06
Time Analyzed: 1628

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	83.6 %
2,4-Dinitrotoluene-d3	11.3 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3014

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009
Lab File ID: 12K3015
Date Analyzed: 11/30/06
Time Analyzed: 1705

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg	
Nitrosodiphenylamine	_____	U	333	
Surrogate Recoveries				
2,6-Dinitrotoluene-d3				91.9 %
2,4-Dinitrotoluene-d3				52.9 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3015

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)MS

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009MS
Lab File ID: 12K3016
Date Analyzed: 11/30/06
Time Analyzed: 1742

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Nitrosodiphenylamine	2863	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	90.6 %
2,4-Dinitrotoluene-d3	7.35 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3016

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(0-3)MSD

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-009MSD
Lab File ID: 12K3017
Date Analyzed: 11/30/06
Time Analyzed: 1819

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Nitrosodiphenylamine	2640	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	99.7 %
2,4-Dinitrotoluene-d3	5.58 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3017

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-05A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-010
Lab File ID: 12K3018
Date Analyzed: 11/30/06
Time Analyzed: 1857

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	87.9 %
2,4-Dinitrotoluene-d3	18.1 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3018

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-06A(0-3)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.010 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-011
Lab File ID: 12K3019
Date Analyzed: 11/30/06
Time Analyzed: 1933

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	88.8 %
2,4-Dinitrotoluene-d3	26.3 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3019

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

SO-06A(3-5)

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: 11/27/06
Date Received: 11/28/06
Date Extracted: 11/28/06

Lab Sample ID: 2816-012
Lab File ID: 12K3020
Date Analyzed: 11/30/06
Time Analyzed: 2011

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg	
Nitrosodiphenylamine	_____	U	333	
Surrogate Recoveries				
2,6-Dinitrotoluene-d3				70.0 %
2,4-Dinitrotoluene-d3				4.04 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3020

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

B11806

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: NA
Date Received: NA
Date Extracted: 11/28/06

Lab Sample ID: 11806
Lab File ID: 12K3025
Date Analyzed: 11/30/06
Time Analyzed: 2316

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	90.5 %
2,4-Dinitrotoluene-d3	42.4 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3025

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

B11807

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: NA
Date Received: NA
Date Extracted: 11/28/06

Lab Sample ID: 11807
Lab File ID: 12K3026
Date Analyzed: 11/30/06
Time Analyzed: 2353

Compound	Sample Conc ug/Kg		Reporting Limit ug/Kg
Nitrosodiphenylamine	_____	U	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	84.4 %
2,4-Dinitrotoluene-d3	4.82 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3026

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

P&R Q30

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: NA
Date Received: NA
Date Extracted: 11/28/06

Lab Sample ID: P&R Q30
Lab File ID: 12K3023
Date Analyzed: 11/30/06
Time Analyzed: 2203

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Nitrosodiphenylamine	3308	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	98.5 %
2,4-Dinitrotoluene-d3	11.5 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference 12K3023

NDPA by Modified Method 1625
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

P&R Q30DUP

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: SOIL
Sample wt/vol: 30.000 g
Date Sampled: NA
Date Received: NA
Date Extracted: 11/28/06

Lab Sample ID: P&R Q30DUP
Lab File ID: 12K3024
Date Analyzed: 11/30/06
Time Analyzed: 2239

Compound	Sample Conc ug/Kg	Reporting Limit ug/Kg
Nitrosodiphenylamine	3222	333

Surrogate Recoveries

2,6-Dinitrotoluene-d3	94.6 %
2,4-Dinitrotoluene-d3	22.1 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve
na = Compound has no corresponding labeled reference

12K3024

ATTACHMENT B2

2006 GROUNDWATER LABORATORY ANALYTICAL REPORTS
CHEMTURA CORPORATION
GEISMAR FACILITY

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accredation Program

FIRST QUARTER 2006
MONITORING WELL SAMPLES

SAMPLES RECEIVED: 03/07-03/09/06

FOR

CROMPTON MANUFACTURING CO., INC.
POST OFFICE BOX 397
GEISMAR, LOUISIANA 70734

ATTENTION: STEVE KRUL

APRIL 25, 2006
PROJECT NO.: LD6-0420

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana
Attention: Steve Krul

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

Fifteen monitoring well samples with a duplicate, field blank and trip blanks were collected by URS Corporation and delivered to our lab on March 7 through March 9, 2006.

These samples were analyzed for parameters as specified in accordance with methods in the U.S. EPA "Test Methods for Evaluating Solid Waste Physical/Chemical Methods SW846, 3rd Edition, 1992". The results are listed on the attached pages.

The Pesticide/Herbicide/PCB samples were sent to an outside lab, SPL, for analyses. The report from SPL is attached.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni
QA Coordinator

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

js

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

	03/08/06	03/09/06	03/08/06	03/08/06	03/09/06
MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.11	0.12	0.08	0.34	0.02
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.19	0.22	0.12	0.02	0.06
Manganese	0.09	0.40	0.13	0.23	6.4
Chloride	20	290	60	10	1,330
Sodium	17	108	29	38	643
Sulfate	25.8	46.1	53.2	3.58	1028
Contamination Indicators					
Field: pH Units	6.9	7.0	6.6	6.7	6.2
pH Units	6.8	6.7	6.5	6.7	6.4
pH Units	7.0	6.7	6.7	6.9	6.3
Mean	6.9	6.8	6.6	6.8	6.3
Lab: pH Units	7.2	7.0	6.9	7.1	6.5
pH Units	7.2	7.0	7.1	7.1	6.4
pH Units	7.2	7.0	7.0	7.1	6.5
pH Units	7.2	7.0	7.1	7.2	6.5
Mean	7.2	7.0	7.0	7.1	6.5
Field: Specific Conductance	580	1,330	700	680	3,500
Specific Conductance	590	1,210	760	690	3,710
Specific Conductance	590	1,250	820	690	3,680
Mean	587	1,263	760	687	3,630
Lab: Specific Conductance	555	1,472	843	666	6,510
Specific Conductance	563	1,468	837	667	6,510
Specific Conductance	564	1,477	840	665	6,520
Specific Conductance	562	1,471	845	668	6,500
Mean	561	1,472	841	667	6,510

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
Entek Lab Identification No.:					
Metals	06-02804	06-02903	06-02740	06-02708	06-02886
pH/Conductivity	06-02799	06-02898	06-02735	06-02703	06-02881
pH/Conductivity	06-02800	06-02899	06-02736	06-02704	06-02882
pH/Conductivity	06-02801	06-02900	06-02737	06-02705	06-02883
pH/Conductivity	06-02802	06-02901	06-02738	06-02706	06-02884
Chloride/Sulfate	06-02803	06-02902	06-02739	06-02707	06-02885

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

	03/08/06	03/09/06	03/07/06	03/07/06	03/09/06
MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.54	0.28	0.34	0.13	0.36
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.06	0.04	0.52	0.09	0.06
Manganese	<0.01	1.38	0.15	1.2	0.49
Chloride	10	30	10	1,450	190
Sodium	340	15	48	716	58
Sulfate	<2.5	47.3	<2.5	630	154
Contamination Indicators					
Field: pH Units	6.8	7.1	6.5	6.1	6.6
pH Units	6.8	6.9	6.6	6.1	6.7
pH Units	6.8	6.9	6.8	6.2	6.7
Mean	6.8	7.0	6.6	6.1	6.7
Lab: pH Units	7.1	7.1	7.1	6.6	6.9
pH Units	7.1	7.1	7.1	6.6	6.9
pH Units	7.1	7.1	7.1	6.6	7.0
pH Units	7.1	7.1	7.1	6.6	7.0
Mean	7.1	7.1	7.1	6.6	7.0
Field: Specific Conductance	700	560	650	2,720	1,140
Specific Conductance	690	530	620	3,100	1,220
Specific Conductance	690	530	690	3,200	1,220
Mean	693	540	653	3,007	1,193
Lab: Specific Conductance	609	613	732	6,230	1,406
Specific Conductance	612	620	758	6,240	1,402
Specific Conductance	609	617	742	6,350	1,406
Specific Conductance	610	615	732	6,330	1,406
Mean	610	616	741	6,288	1,405

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
Entek Lab Identification No.:					
Metals	06-02788	06-02920	06-02588	06-02604	06-02936
pH/Conductivity	06-02783	06-02915	06-02583	06-02599	06-02931
pH/Conductivity	06-02784	06-02916	06-02584	06-02600	06-02932
pH/Conductivity	06-02785	06-02917	06-02585	06-02601	06-02933
pH/Conductivity	06-02786	06-02918	06-02586	06-02602	06-02934
Chloride/Sulfate	06-02787	06-02919	06-02587	06-02603	06-02935

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
(concentrations mg/L) **Contamination Indicators**					
TOC	1.0	1.0	1.0	<1.0	21
TOC	1.0	1.0	2.0	<1.0	22
TOC	1.0	1.0	2.0	<1.0	22
TOC	1.0	2.0	2.0	<1.0	22
Mean	1.0	1.3	1.7	<1.0	22
TOX	<0.01	<0.01	0.03	0.01	0.05
TOX	<0.01	<0.01	0.03	<0.01	0.04
TOX	<0.01	<0.01	0.03	0.01	0.06
TOX	<0.01	<0.01	0.04	0.01	0.06
Mean	<0.01	<0.01	0.03	0.01	0.05
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	<10.0	<10.0
2(3H)Benzothiazolone	<10.0	<10.0	<10.0	<10.0	340
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	10	<10.0	<10.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
Entek Lab Identification No.:					
TOC	06-02805-2808	06-02904-2907	06-02741-2744	06-02709-2712	06-02887-2890
TOX	06-02809-2812	06-02908-2911	06-02745-2748	06-02713-2716	06-02891-2894
Volatile Organics	06-02813	06-02912	06-02749	06-02717	06-02895
Semi-Volatile Organics	06-02814	06-02913	06-02750	06-02718	06-02896

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
(concentrations mg/L)					
Contamination Indicators					
TOC	<1.0	1.0	<1.0	19	1.0
TOC	<1.0	1.0	<1.0	19	2.0
TOC	<1.0	1.0	<1.0	19	2.0
TOC	<1.0	1.0	<1.0	18	1.0
Mean	<1.0	1.0	<1.0	19	1.5
TOX	0.03	0.01	0.04	0.12	<0.01
TOX	0.04	0.02	0.03	0.10	<0.01
TOX	0.04	0.02	0.04	0.11	<0.01
TOX	0.04	0.03	0.03	0.12	<0.01
Mean	0.04	0.02	0.04	0.11	<0.01
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	<10.0	<10.0
2(3H)Benzothiazolone	<10.0	<10.0	<10.0	<10.0	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
Entek Lab Identification No.:					
TOC	06-02789-2792	06-02921-2924	06-02589-2592	06-02605-2608	06-02937-2940
TOX	06-02793-2796	06-02925-2928	06-02593-2596	06-02609-2612	06-02941-2944
Volatile Organics	06-02797	06-02929	06-02597	06-02613	06-02945
Semi-Volatile Organics	06-02798	06-02930	06-02598	06-02614	06-02946

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Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

	03/08/06	03/08/06	03/09/06	03/07/06
MONITORING WELL NUMBER:	N23	RN06	RN07	RN08
(concentrations mg/L)				
Drinking Water Suitability				
Barium	0.14	0.03	0.32	0.10
Mercury	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality				
Iron	0.22	0.16	0.20	0.06
Manganese	7.09	2.0	3.50	2.20
Chloride	1,739	710	440	1,360
Sodium	717	509	414	682
Sulfate	1,071	711	735	197
Contamination Indicators				
Field: pH Units	5.9	6.5	6.6	6.2
pH Units	6.0	6.4	6.4	6.5
pH Units	6.0	6.6	6.5	6.3
Mean	6.0	6.5	6.5	6.3
Lab: pH Units	6.5	6.8	6.7	6.8
pH Units	6.4	6.8	6.7	6.9
pH Units	6.4	6.8	6.7	6.9
pH Units	6.4	6.8	6.6	6.8
Mean	6.4	6.8	6.7	6.9
Field: Specific Conductance	4,000	2,880	2,500	5,390
Specific Conductance	3,980	2,889	2,500	3,620
Specific Conductance	3,910	2,320	2,330	4,520
Mean	3,963	2,696	2,443	4,510
Lab: Specific Conductance	7,290	3,650	3,340	4,820
Specific Conductance	7,250	3,630	3,360	4,600
Specific Conductance	7,240	3,650	3,350	4,600
Specific Conductance	7,240	3,640	3,360	4,750
Mean	7,255	3,643	3,353	4,693

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08
Entek Lab Identification No.:				
Metals	06-02820	06-02756	06-02870	06-02620
pH/Conductivity	06-02815	06-02751	06-02865	06-02615
pH/Conductivity	06-02816	06-02752	06-02866	06-02616
pH/Conductivity	06-02817	06-02753	06-02867	06-02617
pH/Conductivity	06-02818	06-02754	06-02868	06-02618
Chloride/Sulfate	06-02819	06-02755	06-02869	06-02619

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	Field Blank 03/09/06
(concentrations mg/L)					
Contamination Indicators					
TOC	17	11	23	5.0	
TOC	17	11	22	4.0	
TOC	16	11	27	5.0	
TOC	17	11	22	5.0	
Mean	17	11	24	4.8	
TOX	0.04	0.08	0.02	0.08	
TOX	0.03	0.06	0.02	0.07	
TOX	0.04	0.08	0.03	0.06	
TOX	0.05	0.07	0.02	0.05	
Mean	0.04	0.07	0.02	0.07	Field Blank 03/09/06
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	NR
Benzothiazole	<10.0	<10.0	200	<10.0	NR
2(3H)Benzothiazolone	<10.0	220	2,720	<10.0	NR
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	19.0	<10.0	NR
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	Field Blank 03/09/06
Entek Lab Identification No.:					
TOC	06-02821-2824	06-02757-2760	06-02871-2874	06-02621-2624	
TOX	06-02825-2828	06-02761-2764	06-02875-2878	06-02625-2628	
Volatile Organics	06-02829	06-02765	06-02879	06-02629	06-02947
Semi-Volatile Organics	06-02830	06-02766	06-02880	06-02630	

NR - Not Requested

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

MONITORING WELL ANALYSES DATA

	03/07/06	03/08/06	03/08/06
MONITORING WELL NUMBER:	FDS 100	FB100	RN-06D
(concentrations mg/L)			
Drinking Water Suitability			
Barium	0.03	<0.01	0.05
Mercury	<0.0002	<0.0002	<0.0002
Ground Water Quality			
Iron	0.03	0.02	0.20
Manganese	0.13	<0.01	2.12
Chloride	200	<1.0	740
Sodium	128	1.3	509
Sulfate	251	<2.5	747
Contamination Indicators			
Field: pH Units	6.6	--	--
pH Units	6.5	--	--
pH Units	6.6	--	--
Mean	6.6		
Lab: pH Units	6.6	5.7	6.8
pH Units	6.6	5.7	6.8
pH Units	6.6	5.6	6.8
pH Units	6.6	5.7	6.8
Mean	6.6	5.7	6.8
Field: Specific Conductance	1150	--	--
Specific Conductance	1200	--	--
Specific Conductance	1290	--	--
Mean	1,213		
Lab: Specific Conductance	1,750	003	3,540
Specific Conductance	1,765	002	3,560
Specific Conductance	1,752	002	3,550
Specific Conductance	1,753	002	3,560
Mean	1,755	002	3,553

MONITORING WELL NUMBER:	FDS 100	FB100	RN-06D
Entek Lab Identification No.:			
Metals	06-02636	06-02724	06-02772
pH/Conductivity	06-02631	06-02719	06-02767
pH/Conductivity	06-02632	06-02720	06-02768
pH/Conductivity	06-02633	06-02721	06-02769
pH/Conductivity	06-02634	06-02722	06-02770
Chloride/Sulfate	06-02635	06-02723	06-02771

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MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FDS100	FB100	RN-06D	TB-01 03/07/06	TB-02 03/08/06	TB-03 03/09/06
(concentrations mg/L)						
Contamination Indicators						
TOC	4.0	<1.0	11	Not Required	Not Required	Not Required
TOC	4.0	<1.0	9.0	Not Required	Not Required	Not Required
TOC	4.0	<1.0	11	Not Required	Not Required	Not Required
TOC	4.0	1.0	11	Not Required	Not Required	Not Required
Mean	4.0	<1.0	11			
TOX	0.02	<0.01	0.07	Not Required	Not Required	Not Required
TOX	0.02	<0.01	0.06	Not Required	Not Required	Not Required
TOX	0.02	<0.01	0.05	Not Required	Not Required	Not Required
TOX	0.03	<0.01	0.06	Not Required	Not Required	Not Required
Mean	0.02	<0.01	0.06			
(concentrations ug/L)						
Priority Pollutant Organics						
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	NR	NR	NR
Benzothiazole	<10.0	<10.0	<10.0	NR	NR	NR
2(3H)Benzothiazolone	140	<10.0	200	NR	NR	NR
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	NR	NR	NR
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	FDS100	FB100	RN-06D	TB-01 03/07/06	TB-02 03/08/06	TB-03 03/09/06
Entek Lab Identification No.:						
TOC	06-02637-2640	06-02725-2728	06-02773-2776	--	--	--
TOX	06-02641-2644	06-02729-2732	06-02777-2780	--	--	--
Volatile Organics	06-02645	06-02733	06-02781	06-02582	06-02702	06-02864
Semi-Volatile Organics	06-02646	06-02734	06-02782	--	--	--

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Lab Blank		Reference QC (observed/true)
(concentrations mg/L) **Drinking Water Suitability**			
Barium	<0.01		2.10 /2.00
Mercury	<0.0002		0.0025 /0.0025
Ground Water Quality			
Iron	<0.01		2.00 /2.00
Manganese	<0.01		2.11 /2.00
Chloride	<1.0		1974 /2000
Sodium	<0.01		1.86 /2.00
Sulfate	<2.5		30.9 /30.0
Contamination Indicators			
Lab: pH Units	NA		6.0 /6.0
pH Units	NA		6.0 /6.0
Lab: Specific Conductance	NA		1411 /1412
Specific Conductance	NA		1413 /1412
(concentrations mg/L) **Contamination Indicators**			
TOC	<1.0		4.7 /5.0
TOC	<1.0		10 /10
TOX	<0.01		1.86 /2.00
TOX	<0.01		1.80 /2.00
TOX	<0.01		3.80 /4.00
(concentrations ug/L) **Priority Pollutant Organics**			
Benzene	<5.0		49 /50
Benzenethiol	<10.0		-- /--
Benzothiazole	<10.0		53 /100
2(3H)Benzothiazolone	<10.0		41 /100
1,1-Dichloroethane	<5.0		52 /50
1,2-Dichloroethane	<5.0		54 /50
1,1-Dichloroethene	<5.0		47 /50
Methylene Chloride	<5.0		52 /50
N-nitrosodiphenylamine	<10.0		69 /100
Toluene	<5.0		50 /50

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Spike N-13A Amt/Rec	Spike N-21 Amt/Rec	Spike N-22 Amt/Rec	Spike N-23 Amt/Rec	Spike RN-07 Amt/Rec
Drinking Water Suitability					
Barium			6.0ug/115%		
Mercury					0.10ug/100%
Ground Water Quality					
Iron			30ug/94%		
Manganese			6.0ug/98%		
Chloride	1.0ug/97%				
Sodium			0.04ug/88%		
Sulfate				500ug/108%	
(concentrations mg/L) **Contamination Indicators**					
TOC		4.0ug/101%			
TOX					
	Spike N-14 Amt/Rec				
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene	0.25ug/93%				
Benzothiazole	100ug/64%				
1,1-Dichloroethane	0.25ug/100%				
1,2-Dichloroethane	0.25ug/102%				
1,1-Dichloroethene	0.25ug/96%				
Methylene Chloride	0.25ug/100%				
N-nitrosodipropylamine	100ug/82%				
Toluene	0.25ug/92%				
2(3H)-Benzothiazdone	100ug/67%				

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	% Limits	N09R	N-13A	N14	N15
Dibromofluoromethane	86-118	102	100	102	102
1,2-Dichloroethane-d4	80-120	103	100	102	102
Toluene-d8	88-110	95	95	96	96
Bromofluorobenzene	86-115	109	109	106	107
2-Fluorophenol	21-100	25	33	35	28
Phenol-d6	10- 94	17	23	24	20
Nitrobenzene-d5	35-114	30*	47	43	41
2-Fluorobiphenyl	43-116	31*	51	50	44
2,4,6-Tribromophenol	10-123	36	51	62	47
Terphenyl-d14	33-141	38	58	61	59

MONITORING WELL NUMBER: (Percent Recovery)	N16	N17	N19	N20	N21
Dibromofluoromethane	100	101	101	101	100
1,2-Dichloroethane-d4	102	103	102	101	101
Toluene-d8	96	96	95	95	96
Bromofluorobenzene	108	106	110	107	106
2-Fluorophenol	7.0*	34	25	32	28
Phenol-d6	4.5*	23	17	22	21
Nitrobenzene-d5	38	46	40	52	54
2-Fluorobiphenyl	42	52	42	56	60
2,4,6-Tribromophenol	27	51	41	54	32
Terphenyl-d14	56	67	50	60	70

* Surrogate recovery poor or no surrogate recovery due to matrix interference.

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	N22	N23	RN06	RN07	RN08
Dibromofluoromethane	101	102	103	101	100
1,2-Dichloroethane-d4	100	105	101	103	102
Toluene-d8	94	95	95	95	96
Bromofluorobenzene	110	110	107	107	105
2-Fluorophenol	32	4.0*	27	29	3.5*
Phenol-d6	22	1.5*	18	20	2.0*
Nitrobenzene-d5	45	67	39	42	33
2-Fluorobiphenyl	50	66	44	43	37
2,4,6-Tribromophenol	51	10	43	50	8.0*
Terphenyl-d14	61	77	56	48	41

MONITORING WELL NUMBER: (Percent Recovery)	FDS	FB100	RN06D	N14 Spike		% Limits
Dibromofluoromethane	101	101	101	104		86-118
1,2-Dichloroethane-d4	100	104	101	104		80-120
Toluene-d8	96	96	95	94		88-110
Bromofluorobenzene	105	103	109	99		86-115
2-Fluorophenol	24	31	15*	44		21-100
Phenol-d6	17	21	11	40		10- 94
Nitrobenzene-d5	32*	40	31*	44		35-114
2-Fluorobiphenyl	35	42	38	48		35-116
2,4,6-Tribromophenol	40	45	29	94		10-123
Terphenyl-d14	39	57	54	60		33-141

* Surrogate recovery poor or no surrogate recovery due to matrix interference.

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)		TB-01 03/07/06	TB-02 03/08/06	TB-03 03/09/06	Field Blank 03/09/06
Dibromofluoromethane		101	102	99	101
1,2-Dichloroethane-d4		102	103	101	102
Toluene-d8		95	97	95	95
Bromofluorobenzene		104	106	108	107
2-Fluorophenol		NA	NA	NA	NA
Phenol-d6		NA	NA	NA	NA
Nitrobenzene-d5		NA	NA	NA	NA
2-Fluorobiphenyl		NA	NA	NA	NA
2,4,6-Tribromophenol		NA	NA	NA	NA
Terphenyl-d14		NA	NA	NA	NA

MONITORING WELL NUMBER: (Percent Recovery)	Lab Blank 03/09/06	Lab Blank 03/10/06	Lab Blank 03/14/06		% Limits
Dibromofluoromethane	103	102	NA		86-118
1,2-Dichloroethane-d4	103	100	NA		80-120
Toluene-d8	96	95	NA		88-110
Bromofluorobenzene	105	108	NA		86-115
2-Fluorophenol	NA	NA	31		21-100
Phenol-d6	NA	NA	21		10- 94
Nitrobenzene-d5	NA	NA	42		35-114
2-Fluorobiphenyl	NA	NA	41		35-116
2,4,6-Tribromophenol	NA	NA	53		10-123
Terphenyl-d14	NA	NA	53		33-141

NA - Not applicable

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QUALITY CONTROL DATA

SAMPLE DATE: 03/07/06-03/09/06
ANALYZED/METHODS DATA

Drinking Water Suitability	DTA Start	DTA Finish	Method of Analyses
Barium	03/15/06/1146/CEM	04/06/06/1123/CEM	SW846 6010B
Mercury	04/05/06/1500/CEM	04/06/06/1400/CEM	SW846 7470A
Ground Water Quality			
Iron	03/15/06/1146/CEM	04/06/06/1123/CEM	SW846 6010B
Manganese	03/15/06/1146/CEM	04/06/06/1123/CEM	SW846 6010B
Chloride	03/21/06/0900/SSP	03/21/06/1600/SSP	SW846 9252
Sodium	04/05/06/0930/DMP	04/05/06/1130/DMP	SW846, 7770
Sulfate	03/22/06/0900/SSP	03/22/06/1600/SSP	SW846 9038
Contamination Indicators			
pH Units	03/07/06/1830/LNA	03/09/06/1800/LNA	SW846 9040B
Specific Conductance	03/07/06/1830/LNA	03/09/06/1800/LNA	SW846 9050A
Contamination Indicators			
TOC	03/13/06/1000/VM	03/16/06/1130/VM	SW846, 9060A
TOX	03/22/06/0800/SLS	03/27/06/1800/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	03/09/06/JDS	03/10/06/JDS	SW846, 8260B
Semivolatile Organics	03/17/06/JDS	03/24/06/JDS	SW846, 8270C
Extractions	03/14/06/SSP	03/20/06/SSP	SW846, 3510

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MONITORING WELL ANALYSES DATA
TABLE 4

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MONITORING WELL ANALYSES DATA
TABLE 4

Metals (concentrations mg/L)	03/09/06 06-02903 N-13A	03/09/06 06-02886 N-16	03/08/06 06-02788 N-17	03/08/06 06-02756 RN-06	Lab Blank
Antimony	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium	<0.003	<0.003	<0.003	<0.003	<0.003
Cadmium	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.04	<0.04	<0.04	<0.04	<0.04
Nickel	<0.02	0.02	<0.02	<0.02	<0.02
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	<0.01	0.02	<0.01	0.01	<0.01
Thallium	<0.01	<0.01	<0.01	0.01	<0.01
Tin	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	<0.01	<0.01	<0.01	<0.01	<0.01

Metals (concentrations mg/L)	03/08/06 06-02772 RN-06D	Duplicate 06-02772 RN-06D	Spike (Amt ug/%Rec) RN-06D	03/08/06 06-02724 FB-100	Lab Blank
Antimony	<0.01	<0.01	6.0/94	<0.01	<0.01
Arsenic	<0.01	<0.01	6.0/98	<0.01	<0.01
Beryllium	<0.003	<0.003	6.0/91	<0.003	<0.003
Cadmium	<0.01	<0.01	6.0/92	<0.01	<0.01
Chromium	<0.01	<0.01	6.0/85	<0.01	<0.01
Cobalt	<0.02	<0.02	6.0/84	<0.02	<0.02
Copper	<0.01	<0.01	6.0/90	<0.01	<0.01
Lead	<0.04	<0.04	6.0/83	<0.04	<0.04
Nickel	<0.02	<0.02	6.0/83	<0.02	<0.02
Selenium	<0.005	<0.005	6.0/102	<0.005	<0.005
Silver	<0.01	0.01	6.0/96	<0.01	<0.01
Thallium	<0.01	<0.01	6.0/90	<0.01	<0.01
Tin	0.02	<0.01	6.0/76	0.03	<0.01
Vanadium	<0.01	<0.01	6.0/91	<0.01	<0.01
Zinc	<0.01	<0.01	6.0/88	<0.01	<0.01

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MONITORING WELL ANALYSES DATA
TABLE 4

Metals (concentrations mg/L)	LCS QC (obs /true)	Method
Antimony	2.04 /2.00	SW846, 6010B
Arsenic	2.08 /2.00	SW846, 6010B
Beryllium	2.07 /2.00	SW846, 6010B
Cadmium	2.05 /2.00	SW846, 6010B
Chromium	2.03 /2.00	SW846, 6010B
Cobalt	2.05 /2.00	SW846, 6010B
Copper	2.05 /2.00	SW846, 6010B
Lead	2.04 /2.00	SW846, 6010B
Nickel	2.05 /2.00	SW846, 6010B
Selenium	2.06 /2.00	SW846, 6010B
Silver	0.94 /1.00	SW846, 7760A
Thallium	2.06 /2.00	SW846, 6010B
Tin	2.10 /2.00	SW846, 6010B
Vanadium	2.03 /2.00	SW846, 6010B
Zinc	2.06 /2.00	SW846, 6010B

Metals	DTA Start	DTA Finish
Antimony	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Arsenic	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Beryllium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Cadmium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Chromium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Cobalt	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Copper	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Lead	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Nickel	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Selenium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Silver	04/04/06/0930/DMP	04/04/06/1045/DMP/CEM
Thallium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Tin	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Vanadium	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM
Zinc	03/16/06/1000/DMP/CEM	03/17/06/1100/DMP/CEM

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02912	06-02895	06-02797	06-02765	
Volatile Organics	03/09/06	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-16	N-17	RN-06	Limit
Acetone	ND	ND	ND	ND	10
Acrolein	ND	ND	ND	ND	50
Acrylonitrile	ND	ND	ND	ND	50
Allyl chloride	ND	ND	ND	ND	10
Benzene	ND	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	ND	5.0
Bromoform	ND	ND	ND	ND	5.0
Carbon disulfide	ND	ND	ND	ND	10
Carbon tetrachloride	ND	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	ND	5.0
Chloroethane	ND	ND	ND	ND	5.0
Chloroform	ND	ND	ND	ND	5.0
Chloroprene	ND	ND	ND	ND	20
Dibromochloromethane	ND	ND	ND	ND	5.0
1,2-Dibromo- 3-chloropropane	ND	ND	ND	ND	10
1,2-Dibromoethane	ND	ND	ND	ND	5.0
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	10
Dichlorodifluoromethane	ND	ND	ND	ND	10
1,1-Dichloroethane	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethylene	ND	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	ND	5.0
cis-1,3-Dichloropropene	ND	ND	ND	ND	5.0
trans-1,3-Dichloropropene	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	200
Ethylbenzene	ND	ND	ND	ND	5.0
Ethyl methacrylate	ND	ND	ND	ND	20
2-Hexanone	ND	ND	ND	ND	10
Methacrylonitrile	ND	ND	ND	ND	20
Methyl bromide	ND	ND	ND	ND	5.0
Methyl chloride	ND	ND	ND	ND	5.0
Methylene bromide	ND	ND	ND	ND	5.0

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Crompton Manufacturing Co., Inc.
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April 25, 2006
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Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02912	06-02895	06-02797	06-02765	
Volatile Organics	03/09/06	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-16	N-17	RN-06	Limit
Methylene chloride	ND	ND	ND	ND	5.0
Methyl ethyl ketone	ND	ND	ND	ND	10
Methyl iodide	ND	ND	ND	ND	20
Methylmethacrylate	ND	ND	ND	ND	20
4-Methyl-2-pentanone	ND	ND	ND	ND	10
Pentachloroethane	ND	ND	ND	ND	10
Propionitrile	ND	ND	ND	ND	20
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	5.0
Tetrachloroethylene	ND	ND	ND	ND	5.0
Toluene	ND	ND	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	ND	ND	5.0
Trichloroethylene	ND	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	ND	5.0
1,2,3-Trichloropropane	ND	ND	ND	ND	5.0
Vinyl acetate	ND	ND	ND	ND	10
Vinyl chloride	ND	ND	ND	ND	5.0
Xylene (total)	ND	ND	ND	ND	5.0

	N-13A	N-16	N-17	RN-06	
Surrogate Recovery		(Percent Recovery)			% Limits
Dibromofluoromethane	100	100	101	103	86-118
1,2-Dichloroethane-d4	100	102	103	101	80-120
Toluene-d8	95	96	96	95	88-110
Bromofluorobenzene	109	108	106	107	86-115

DTA Start 03/09/06/JDS
DTA Finish 03/10/06/JDS
Method: SW846, 8260B, 5030B

ND=Not Detected

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02781	06-02733	
Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
Acetone	ND	ND	10
Acrolein	ND	ND	50
Acrylonitrile	ND	ND	50
Allyl chloride	ND	ND	10
Benzene	ND	ND	5.0
Bromodichloromethane	ND	ND	5.0
Bromoform	ND	ND	5.0
Carbon disulfide	ND	ND	10
Carbon tetrachloride	ND	ND	5.0
Chlorobenzene	ND	ND	5.0
Chloroethane	ND	ND	5.0
Chloroform	ND	ND	5.0
Chloroprene	ND	ND	20
Dibromochloromethane	ND	ND	5.0
1,2-Dibromo- 3-chloropropane	ND	ND	10
1,2-Dibromoethane	ND	ND	5.0
trans-1,4-Dichloro-2-butene	ND	ND	10
Dichlorodifluoromethane	ND	ND	10
1,1-Dichloroethane	ND	ND	5.0
1,2-Dichloroethane	ND	ND	5.0
1,1-Dichloroethene	ND	ND	5.0
trans-1,2-Dichloroethylene	ND	ND	5.0
1,2-Dichloropropane	ND	ND	5.0
cis-1,3-Dichloropropene	ND	ND	5.0
trans-1,3-Dichloropropene	ND	ND	5.0
1,4-Dioxane	ND	ND	200
Ethylbenzene	ND	ND	5.0
Ethyl methacrylate	ND	ND	20
2-Hexanone	ND	ND	10
Methacrylonitrile	ND	ND	20
Methyl bromide	ND	ND	5.0
Methyl chloride	ND	ND	5.0
Methylene bromide	ND	ND	5.0

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02781	06-02733	
Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
Methylene chloride	ND	ND	5.0
Methyl ethyl ketone	ND	ND	10
Methyl iodide	ND	ND	20
Methylmethacrylate	ND	ND	20
4-Methyl-2-pentanone	ND	ND	10
Pentachloroethane	ND	ND	10
Propionitrile	ND	ND	20
1,1,1,2-Tetrachloroethane	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	5.0
Tetrachloroethylene	ND	ND	5.0
Toluene	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	5.0
Trichloroethylene	ND	ND	5.0
Trichlorofluoromethane	ND	ND	5.0
1,2,3-Trichloropropane	ND	ND	5.0
Vinyl acetate	ND	ND	10
Vinyl chloride	ND	ND	5.0
Xylene (total)	ND	ND	5.0

	RN-06D	FB-100	
Surrogate Recovery		(Percent Recovery)	% Limits
Dibromofluoromethane	101	101	86-118
1,2-Dichloroethane-d4	101	104	80-120
Toluene-d8	95	96	88-110
Bromofluorobenzene	109	103	86-115

DTA Start 03/09/06/JDS
DTA Finish 03/10/06/JDS
Method: SW846, 8260B, 5030B

ND=Not Detected

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Volatile Organics (concentrations ug/L)	Lab Blank 03/09/06	Lab Blank 03/10/06	Quantitation Limit	LCS QC (obs /true)
Acetone	ND	ND	10	-- /--
Acrolein	ND	ND	50	-- /--
Acrylonitrile	ND	ND	50	-- /--
Allyl chloride	ND	ND	10	-- /--
Benzene	ND	ND	5.0	49 /50
Bromodichloromethane	ND	ND	5.0	-- /--
Bromoform	ND	ND	5.0	50 /50
Carbon disulfide	ND	ND	10	-- /--
Carbon tetrachloride	ND	ND	5.0	50 /50
Chlorobenzene	ND	ND	5.0	49 /50
chloroethane	ND	ND	5.0	-- /--
Chloroform	ND	ND	5.0	53 /50
Chloroprene	ND	ND	20	-- /--
dibromochloromethane	ND	ND	5.0	50 /50
1,2-Dibromo-3-chloropropane	ND	ND	10	-- /--
1,2-Dibromoethane	ND	ND	5.0	-- /--
trans-1,4-Dichloro-2-butene	ND	ND	10	-- /--
Dichlorodifluoromethane	ND	ND	10	-- /--
1,1-Dichloroethane	ND	ND	5.0	52 /50
1,2-Dichloroethane	ND	ND	5.0	53 /50
1,1-Dichloroethene	ND	ND	5.0	47 /50
trans-1,2-Dichloroethylene	ND	ND	5.0	-- /--
1,2-Dichloropropane	ND	ND	5.0	50 /50
cis-1,3-Dichloropropene	ND	ND	5.0	-- /--
trans-1,3-Dichloropropene	ND	ND	5.0	-- /--
1,4-Dioxane	ND	ND	200	-- /--
Ethylbenzene	ND	ND	5.0	49 /50
Ethyl methacrylate	ND	ND	20	-- /--
2-Hexanone	ND	ND	10	-- /--
Methacrylonitrile	ND	ND	20	-- /--
Methyl bromide	ND	ND	5.0	-- /--
Methyl chloride	ND	ND	5.0	-- /--
Methylene bromide	ND	ND	5.0	-- /--

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Louisiana Environmental Laboratory LELAP 02039 Accredation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Volatile Organics (concentrations ug/L)	Lab Blank 03/09/06	Lab Blank 03/10/06	Quantitation Limit	LCS QC (obs /true)
Methylene chloride	ND	ND	5.0	52 /50
Methyl ethyl ketone	ND	ND	10	-- /--
Methyl iodide	ND	ND	20	-- /--
Methylmethacrylate	ND	ND	20	-- /--
4-Methyl-2-pentanone	ND	ND	10	-- /--
Pentachloroethane	ND	ND	10	-- /--
Propionitrile	ND	ND	20	-- /--
1,1,1,2-Tetrachloroethane	ND	ND	5.0	-- /--
1,1,2,2-Tetrachloroethane	ND	ND	5.0	49 /50
Tetrachloroethylene	ND	ND	5.0	-- /--
Toluene	ND	ND	5.0	50 /50
1,1,1-Trichloroethane	ND	ND	5.0	-- /--
1,1,2-Trichloroethane	ND	ND	5.0	50 /50
Trichloroethylene	ND	ND	5.0	50 /50
Trichlorofluoromethane	ND	ND	5.0	-- /--
1,2,3-Trichloropropane	ND	ND	5.0	-- /--
Vinyl acetate	ND	ND	10	-- /--
Vinyl chloride	ND	ND	5.0	-- /--
Xylene (total)	ND	ND	5.0	49 /50

Surrogate Recovery	(Percent Recovery)		% Limits
Dibromofluoromethane	103	102	86-118
1,2-Dichloroethane-d4	103	100	80-120
Toluene-d8	96	95	88-110
Bromofluorobenzene	105	108	86-115

DTA Start 03/09/06/JDS
DTA Finish 03/10/06/JDS
Method: SW846, 8260B, 5030B

ND=Not Detected

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02913	06-02913	06-02896	06-02798	06-02766	
Semi-Volatile Organics	03/09/06	Duplicate	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-13A	N-16	N-17	RN-06	Limit
Acenaphthene	ND	ND	ND	ND	ND	10
Acenaphthylene	ND	ND	ND	ND	ND	10
Acetophenone	ND	ND	ND	ND	ND	10
2-Acetylaminofluorene	ND	ND	ND	ND	ND	10
4-Amino-biphenyl	ND	ND	ND	ND	ND	10
Aniline	ND	ND	ND	ND	ND	10
Aramite	ND	ND	ND	ND	ND	10
Anthracene	ND	ND	ND	ND	ND	10
Benzo[a]anthracene	ND	ND	ND	ND	ND	10
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	10
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	10
Benzo[ghi]perylene	ND	ND	ND	ND	ND	10
Benzo[a]pyrene	ND	ND	ND	ND	ND	10
Benzyl alcohol	ND	ND	ND	ND	ND	20
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	10
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	10
Bis(2-chloro-1-methylethyl)ether	ND	ND	ND	ND	ND	10
Bis(2-ethyl-hexyl)phthalate	ND	ND	ND	ND	ND	10
4-Bromophenyl-phenyl ether	ND	ND	ND	ND	ND	10
Butyl benzyl phthalate	ND	ND	ND	ND	ND	10
p-Chloroaniline	ND	ND	ND	ND	ND	20
Chloro-benzilate	ND	ND	ND	ND	ND	10
p-Chloro-m-cresol	ND	ND	ND	ND	ND	20
2-Chloronaphthalene	ND	ND	ND	ND	ND	10
2-Chlorophenol	ND	ND	ND	ND	ND	10
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	10
Chrysene	ND	ND	ND	ND	ND	10
m-Cresol	ND	ND	ND	ND	ND	10
o-Cresol	ND	ND	ND	ND	ND	10
p-Cresol	ND	ND	ND	ND	ND	10
Diallate	ND	ND	ND	ND	ND	10
Dibenz[a,h]anthracene	ND	ND	ND	ND	ND	10
Dibenzofuran	ND	ND	ND	ND	ND	10
Di-n-butylphthalate	ND	ND	ND	ND	ND	10

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02913	06-02913	06-02896	06-02798	06-02766	
Semi-Volatile Organics	03/09/06	Duplicate	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-13A	N-16	N-17	RN-06	Limit
o-Dichlorobenzene	ND	ND	ND	ND	ND	10
m-Dichlorobenzene	ND	ND	ND	ND	ND	10
p-Dichlorobenzene	ND	ND	ND	ND	ND	10
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	20
2,4-Dichlorophenol	ND	ND	ND	ND	ND	10
2,6-Dichlorophenol	ND	ND	ND	ND	ND	10
Diethyl phthalate	ND	ND	ND	ND	ND	10
Dimethoate	ND	ND	ND	ND	ND	10
p-(Dimethyl-amino)azobenzene	ND	ND	ND	ND	ND	10
7,12-Dimethylbenz[a]anthracene	ND	ND	ND	ND	ND	10
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	50
alpha, alpha-Dimethyl-phenethylamine	ND	ND	ND	ND	ND	10
2,4-Dimethylphenol	ND	ND	ND	ND	ND	10
Dimethyl phthalate	ND	ND	ND	ND	ND	10
m-Dinitrobenzene	ND	ND	ND	ND	ND	10
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	ND	ND	ND	ND	ND	50
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	10
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	10
Dinoseb	ND	ND	ND	ND	ND	10
Di-n-octyl phthalate	ND	ND	ND	ND	ND	10
Diphenylamine	ND	ND	ND	ND	ND	10
Disulfoton	ND	ND	ND	ND	ND	10
Ethyl methane-sulfonate	ND	ND	ND	ND	ND	10
Famphur	ND	ND	ND	ND	ND	10
Fluoranthene	ND	ND	ND	ND	ND	10
Fluorene	ND	ND	ND	ND	ND	10
Hexachlorobenzene	ND	ND	ND	ND	ND	10
Hexachlorobutadiene	ND	ND	ND	ND	ND	10
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	10
Hexachloroethane	ND	ND	ND	ND	ND	10
Hexachlorophene	ND	ND	ND	ND	ND	10
Hexachloropropene	ND	ND	ND	ND	ND	10
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	10

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02913	06-02913	06-02896	06-02798	06-02766	
Semi-Volatile Organics	03/09/06	Duplicate	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-13A	N-16	N-17	RN-06	Limit
Isodrin	ND	ND	ND	ND	ND	10
Isophorone	ND	ND	ND	ND	ND	10
Isosafrole	ND	ND	ND	ND	ND	10
Kepone	ND	ND	ND	ND	ND	10
Methapyrilene	ND	ND	ND	ND	ND	10
3-Methylcholanthrene	ND	ND	ND	ND	ND	10
Methyl methanesulfonate	ND	ND	ND	ND	ND	10
2-Methyl-naphthalene	ND	ND	ND	ND	ND	10
Methyl parathion	ND	ND	ND	ND	ND	10
Naphthalene	ND	ND	ND	ND	ND	10
1,4-Naphthoquinone	ND	ND	ND	ND	ND	10
1-Naphthylamine	ND	ND	ND	ND	ND	10
2-Naphthylamine	ND	ND	ND	ND	ND	10
o-Nitroaniline	ND	ND	ND	ND	ND	50
m-Nitroaniline	ND	ND	ND	ND	ND	50
p-Nitroaniline	ND	ND	ND	ND	ND	50
Nitrobenzene	ND	ND	ND	ND	ND	10
o-Nitrophenol	ND	ND	ND	ND	ND	10
p-Nitrophenol	ND	ND	ND	ND	ND	50
4-Nitroquinoline 1-oxide	ND	ND	ND	ND	ND	10
N-Nitrosodi-n-butylamine	ND	ND	ND	ND	ND	10
N-Nitrosodiethy amine	ND	ND	ND	ND	ND	10
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	10
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	10
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	10
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	10
N-Nitrosomorpholine	ND	ND	ND	ND	ND	10
N-Nitrosopiperidine	ND	ND	ND	ND	ND	10
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	10
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	10
Parathion	ND	ND	ND	ND	ND	10
Pentachlorobenzene	ND	ND	ND	ND	ND	10
Pentachloronitrobenzene	ND	ND	ND	ND	ND	10
Pentachlorophenol	ND	ND	ND	ND	ND	50

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accrediation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02913	06-02913	06-02896	06-02798	06-02766	
Semi-Volatile Organics	03/09/06	Duplicate	03/09/06	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	N-13A	N-13A	N-16	N-17	RN-06	Limit
Phenacetin	ND	ND	ND	ND	ND	10
Phenanthrene	ND	ND	ND	ND	ND	10
Phenol	ND	ND	ND	ND	ND	10
p-Phenylenediamine	ND	ND	ND	ND	ND	10
Phorate	ND	ND	ND	ND	ND	10
2-Picoline	ND	ND	ND	ND	ND	10
Pronamide	ND	ND	ND	ND	ND	10
Pyrene	ND	ND	ND	ND	ND	10
Pyridine	ND	ND	ND	ND	ND	10
Safrole	ND	ND	ND	ND	ND	10
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	10
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	10
Sulfotepp	ND	ND	ND	ND	ND	10
Thionazin	ND	ND	ND	ND	ND	10
o-Toluidine	ND	ND	ND	ND	ND	10
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	10
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	10
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	10
O,O,O-Triethylphosphorothioate	ND	ND	ND	ND	ND	10
sym-Trinitrobenzene	ND	ND	ND	ND	ND	10

Surrogate Recovery			Percent Recovery			% Limits
2-Fluorophenol	33	36	7.0*	34	23	21-100
Phenol-d6	23	30	4.5*	23	18	10-94
Nitrobenzene-d5	47	36	38	46	39	35-114
2-Fluorobiphenyl	51	37	42	52	44	35-116
2,4,6-Tribromophenol	51	51	27	51	43	10-123
Terphenyl-d14	58	51	56	67	56	33-141

Extracted: 03/14/06/SSP
DTA Start 03/23/06/JDS
DTA Finish 03/24/06/JDS
Method: SW846, 8270C

* Poor Surrogate Recovery due to sample matrix interference.

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02782	06-02734	
Semi-Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
Acenaphthene	ND	ND	10
Acenaphthylene	ND	ND	10
Acetophenone	ND	ND	10
2-Acetylaminofluorene	ND	ND	10
4-Amino-biphenyl	ND	ND	10
Aniline	ND	ND	10
Aramite	ND	ND	10
Anthracene	ND	ND	10
Benzo[a]anthracene	ND	ND	10
Benzo[b]fluoranthene	ND	ND	10
Benzo[k]fluoranthene	ND	ND	10
Benzo[ghi]perylene	ND	ND	10
Benzo[a]pyrene	ND	ND	10
Benzyl alcohol	ND	ND	20
Bis(2-chloroethoxy)methane	ND	ND	10
Bis(2-chloroethyl)ether	ND	ND	10
Bis(2-chloro-1-methylethyl)ether	ND	ND	10
Bis(2-ethyl-hexyl)phthalate	ND	ND	10
4-Bromophenyl-phenyl ether	ND	ND	10
Butyl benzyl phthalate	ND	ND	10
p-Chloroaniline	ND	ND	20
Chloro-benzilate	ND	ND	10
p-Chloro-m-cresol	ND	ND	20
2-Chloronaphthalene	ND	ND	10
2-Chlorophenol	ND	ND	10
4-Chlorophenyl-phenyl ether	ND	ND	10
Chrysene	ND	ND	10
m-Cresol	ND	ND	10
o-Cresol	ND	ND	10
p-Cresol	ND	ND	10
Diallate	ND	ND	10
Dibenz[a,h]anthracene	ND	ND	10
Dibenzofuran	ND	ND	10
Di-n-butylphthalate	ND	ND	10

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02782	06-02734	
Semi-Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
o-Dichlorobenzene	ND	ND	10
m-Dichlorobenzene	ND	ND	10
p-Dichlorobenzene	ND	ND	10
3,3'-Dichlorobenzidine	ND	ND	20
2,4-Dichlorophenol	ND	ND	10
2,6-Dichlorophenol	ND	ND	10
Diethyl phthalate	ND	ND	10
Dimethoate	ND	ND	10
p-(Dimethyl-amino)azobenzene	ND	ND	10
7,12-Dimethylbenz[a]anthracene	ND	ND	10
3,3'-Dimethylbenzidine	ND	ND	50
alpha, alpha-Dimethyl-phenethylamine	ND	ND	10
2,4-Dimethylphenol	ND	ND	10
Dimethyl phthalate	ND	ND	10
m-Dinitrobenzene	ND	ND	10
4,6-Dinitro-o-cresol	ND	ND	50
2,4-Dinitrophenol	ND	ND	50
2,4-Dinitrotoluene	ND	ND	10
2,6-Dinitrotoluene	ND	ND	10
Dinoseb	ND	ND	10
Di-n-octyl phthalate	ND	ND	10
Diphenylamine	ND	ND	10
Disulfoton	ND	ND	10
Ethyl methane-sulfonate	ND	ND	10
Famphur	ND	ND	10
Fluoranthene	ND	ND	10
Fluorene	ND	ND	10
Hexachlorobenzene	ND	ND	10
Hexachlorobutadiene	ND	ND	10
Hexachlorocyclopentadiene	ND	ND	10
Hexachloroethane	ND	ND	10
Hexachlorophene	ND	ND	10
Hexachloropropene	ND	ND	10
Indeno(1,2,3-cd)pyrene	ND	ND	10

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02782	06-02734	
Semi-Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
Isodrin	ND	ND	10
Isophorone	ND	ND	10
Isosafrole	ND	ND	10
Kepone	ND	ND	10
Methapyrilene	ND	ND	10
3-Methylcholanthrene	ND	ND	10
Methyl methanesulfonate	ND	ND	10
2-Methyl-naphthalene	ND	ND	10
Methyl parathion	ND	ND	10
Naphthalene	ND	ND	10
1,4-Naphthoquinone	ND	ND	10
1-Naphthylamine	ND	ND	10
2-Naphthylamine	ND	ND	10
o-Nitroaniline	ND	ND	50
m-Nitroaniline	ND	ND	50
p-Nitroaniline	ND	ND	50
Nitrobenzene	ND	ND	10
o-Nitrophenol	ND	ND	10
p-Nitrophenol	ND	ND	50
4-Nitroquinoline 1-oxide	ND	ND	10
N-Nitrosodi-n-butylamine	ND	ND	10
N-Nitrosodiethy amine	ND	ND	10
N-Nitrosodimethylamine	ND	ND	10
N-Nitrosodiphenylamine	ND	ND	10
N-Nitrosodipropylamine	ND	ND	10
N-Nitrosomethylethylamine	ND	ND	10
N-Nitrosomorpholine	ND	ND	10
N-Nitrosopiperidine	ND	ND	10
N-Nitrosopyrrolidine	ND	ND	10
5-Nitro-o-toluidine	ND	ND	10
Parathion	ND	ND	10
Pentachlorobenzene	ND	ND	10
Pentachloronitrobenzene	ND	ND	10
Pentachlorophenol	ND	ND	50

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Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02782	06-02734	
Semi-Volatile Organics	03/08/06	03/08/06	Quantitation
(concentrations ug/L)	RN-06D	FB-100	Limit
Phenacetin	ND	ND	10
Phenanthrene	ND	ND	10
Phenol	ND	ND	10
p-Phenylenediamine	ND	ND	10
Phorate	ND	ND	10
2-Picoline	ND	ND	10
Pronamide	ND	ND	10
Pyrene	ND	ND	10
Pyridine	ND	ND	10
Safrole	ND	ND	10
1,2,4,5-Tetrachlorobenzene	ND	ND	10
2,3,4,6-Tetrachlorophenol	ND	ND	10
Sulfotepp	ND	ND	10
Thionazin	ND	ND	10
o-Toluidine	ND	ND	10
1,2,4-Trichlorobenzene	ND	ND	10
2,4,5-Trichlorophenol	ND	ND	10
2,4,6-Trichlorophenol	ND	ND	10
O,O,O-Triethylphosphorothioate	ND	ND	10
sym-Trinitrobenzene	ND	ND	10

Surrogate Recovery		Percent Recovery	% Limits
2-Fluorophenol	15*	31	21-100
Phenol-d6	11	21	10-94
Nitrobenzene-d5	31*	40	35-114
2-Fluorobiphenyl	38	42	35-116
2,4,6-Tribromophenol	29	45	10-123
Terphenyl-d14	54	57	33-141

Extracted: 03/14/06/SSP
DTA Start 03/23/06/JDS
DTA Finish 03/24/06/JDS
Method: SW846, 8270

** Poor Surrogate Recovery due to sample matrix interference.*

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Semi-Volatile Organics (concentrations ug/L)	Lab Blank 03/14/06	Quantitation Limit
Acenaphthene	ND	10
Acenaphthylene	ND	10
Acetophenone	ND	10
2-Acetylaminofluorene	ND	10
4-Amino-biphenyl	ND	10
Aniline	ND	10
Aramite	ND	10
Anthracene	ND	10
Benzo[a]anthracene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[k]fluoranthene	ND	10
Benzo[ghi]perylene	ND	10
Benzo[a]pyrene	ND	10
Benzyl alcohol	ND	20
Bis(2-chloroethoxy)methane	ND	10
Bis(2-chloroethyl)ether	ND	10
Bis(2-chloro-1-methylethyl)ether	ND	10
Bis(2-ethyl-hexyl)phthalate	ND	10
4-Bromophenyl-phenyl ether	ND	10
Butyl benzyl phthalate	ND	10
p-Chloroaniline	ND	20
Chloro-benzilate	ND	10
p-Chloro-m-cresol	ND	20
2-Chloronaphthalene	ND	10
2-Chlorophenol	ND	10
4-Chlorophenyl-phenyl ether	ND	10
Chrysene	ND	10
m-Cresol	ND	10
o-Cresol	ND	10
p-Cresol	ND	10
Diallate	ND	10
Dibenz[a,h]anthracene	ND	10
Dibenzofuran	ND	10
Di-n-butylphthalate	ND	10

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Louisiana Environmental Laboratory LELAP 02039 Accredation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Semi-Volatile Organics (concentrations ug/L)	Lab Blank 03/14/06	Quantitation Limit
o-Dichlorobenzene	ND	10
m-Dichlorobenzene	ND	10
p-Dichlorobenzene	ND	10
3,3'-Dichlorobenzidine	ND	20
2,4-Dichlorophenol	ND	10
2,6-Dichlorophenol	ND	10
Diethyl phthalate	ND	10
Dimethoate	ND	10
p-(Dimethyl-amino)azobenzene	ND	10
7,12-Dimethylbenz[a]anthracene	ND	10
3,3'-Dimethylbenzidine	ND	50
alpha, alpha-Dimethyl-phenethylamine	ND	10
2,4-Dimethylphenol	ND	10
Dimethyl phthalate	ND	10
m-Dinitrobenzene	ND	10
4,6-Dinitro-o-cresol	ND	50
2,4-Dinitrophenol	ND	50
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Dinoseb	ND	10
Di-n-octyl phthalate	ND	10
Diphenylamine	ND	10
Disulfoton	ND	10
Ethyl methane-sulfonate	ND	10
Famphur	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Hexachlorophene	ND	10
Hexachloropropene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10

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Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Semi-Volatile Organics (concentrations ug/L)	Lab Blank 03/14/06	Quantitation Limit
Isodrin	ND	10
Isophorone	ND	10
Isosafrole	ND	10
Kepone	ND	10
Methapyrilene	ND	10
3-Methylcholanthrene	ND	10
Methyl methanesulfonate	ND	10
2-Methyl-naphthalene	ND	10
Methyl parathion	ND	10
Naphthalene	ND	10
1,4-Naphthoquinone	ND	10
1-Naphthylamine	ND	10
2-Naphthylamine	ND	10
o-Nitroaniline	ND	50
m-Nitroaniline	ND	50
p-Nitroaniline	ND	50
Nitrobenzene	ND	10
o-Nitrophenol	ND	10
p-Nitrophenol	ND	50
4-Nitroquinoline 1-oxide	ND	10
N-Nitrosodi-n-butylamine	ND	10
N-Nitrosodiethy amine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
N-Nitrosodipropylamine	ND	10
N-Nitrosomethylethylamine	ND	10
N-Nitrosomorpholine	ND	10
N-Nitrosopiperidine	ND	10
N-Nitrosopyrrolidine	ND	10
5-Nitro-o-toluidine	ND	10
Parathion	ND	10
Pentachlorobenzene	ND	10
Pentachloronitrobenzene	ND	10
Pentachlorophenol	ND	50

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April 25, 2006
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Groundwater Monitoring List
Table 4

Semi-Volatile Organics (concentrations ug/L)	Lab Blank 03/14/06	Quantitation Limit
Phenacetin	ND	10
Phenanthrene	ND	10
Phenol	ND	10
p-Phenylenediamine	ND	10
Phorate	ND	10
2-Picoline	ND	10
Pronamide	ND	10
Pyrene	ND	10
Pyridine	ND	10
Safrole	ND	10
1,2,4,5-Tetrachlorobenzene	ND	10
2,3,4,6-Tetrachlorophenol	ND	10
Sulfotepp	ND	10
Thionazin	ND	10
o-Toluidine	ND	10
1,2,4-Trichlorobenzene	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
O,O,O-Triethylphosphorothioate	ND	10
sym-Trinitrobenzene		10

Surrogate Recovery	Percent Recovery	% Limits
2-Fluorophenol	31	21-100
Phenol-d6	21	10-94
Nitrobenzene-d5	42	35-114
2-Fluorobiphenyl	41	35-116
2,4,6-Tribromophenol	53	10-123
Terphenyl-d14	53	33-141

Extracted: 03/14,20/06/SSP
DTA Start 03/17/06/JDS
DTA Finish 03/22/06/JDS
Method: SW846, 8270

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Crompton Manufacturing Co., Inc.
Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

QUALITY CONTROL DATA

Laboratory Control Sample

Sample Matrix: Water
Date Extracted: 03/20/06/JDS
Date Analyzed: 03/22/06/JDS
Test: Semi-Volatile Organic Compounds
Method: SW846, 8270, Extraction SW846, 3510

Compound	Spike Added (ug/L)	% Recovery	EPA QC Limits Recovery
Phenol	200	29	12-110
2-Chlorophenol	200	66	27-123
1,4-Dichlorobenzene	100	57	36-97
N-Nitroso-di-n-propylamine	100	74	41-119
1,2,4-Trichlorobenzene	100	61	39-98
4-Chloro-3-methylphenol	200	78	23-97
Acenapthene	100	74	46-118
4-Nitrophenol	200	16	10-80
2,4-Dinitrotoluene	100	79	24-96
Pentachlorophenol	200	61	9-103
Pyrene	100	86	26-127

* Values outside of QA Limits.

Spike Recovery: Zero out of eleven outside limits.

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Geismar, Louisiana

April 25, 2006
Project No.: LD6-0420

Groundwater Monitoring List
Table 4

Entek Lab ID:	06-02914	06-02897	06-02834	06-02832	06-02833	06-02831
Pesticides/PCB's	03/09/06	03/09/06	03/08/06	03/08/06	03/08/06	03/08/06
Herbicides	N-13A	N-16	N-17	RN-06	RN-06D	FB-100

Samples were sent to an outside lab, SPL, for analyses. The report from SPL is attached.

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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

ENTEK ENVIRONMENTAL LABORATORIES

Certificate of Analysis Number:

06030356

Report To:	**Project Name:** LD6UNR0420
ENTEK ENVIRONMENTAL LABORATORIES	**Site:** CHEMTURA
SAYI MALINENI	**Site Address:**
14285 AIRLINE HIGHWAY	
BATON ROUGE	**PO Number:**
LA	**State:** Louisiana
70817-	**State Cert. No.:** 02048
ph: (225) 752-2900 fax: (225) 756-2706	**Date Reported:** 3/21/2006

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC). Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

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SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: 22 PAGES

Amy K. Jackson
Project Manager

3/21/2006
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

ENTEK ENVIRONMENTAL LABORATORIES

Certificate of Analysis Number:

06030356

Report To: ENTEK ENVIRONMENTAL LABORATORIES
SAYI MALINENI
14285 AIRLINE HIGHWAY

BATON ROUGE
LA
70817-
ph: (225) 752-2900 fax: (225) 756-2706

Fax To: ENTEK ENVIRONMENTAL LABORATORIES
SAYI MALINENI fax: (225) 756-2706

Project Name: LD6UNR0420
Site: CHEMTURA
Site Address:

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 3/21/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
FB-100	06030356-01	Water	3/8/2006	3/9/2006 6:00:00 PM	235161	☐
RN-06	06030356-02	Water	3/8/2006	3/9/2006 6:00:00 PM	235161	☐
RN-06D	06030356-03	Water	3/8/2006	3/9/2006 6:00:00 PM	235161	☐
N-17	06030356-04	Water	3/8/2006	3/9/2006 6:00:00 PM	235161	☐
N-16	06030356-05	Water	3/9/2006	3/9/2006 6:00:00 PM	235161	☐
N-13A	06030356-06	Water	3/9/2006	3/9/2006 6:00:00 PM	235161	☐

Amy K. Jackson
ProjectManager

3/21/2006
Date

Ron Benjamin
LaboratoryDirector

Tristan Davis
Quality Assurance Officer

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: FB-100 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-01

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-TP(Silvex)	ND		0.1	1	03/17/06 0:54	RAH	1767751
2,4-D	ND		1.2	1	03/17/06 0:54	RAH	1767751
Surr: DCAA	89.8		% 23-126	1	03/17/06 0:54	RAH	1767751

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			**MCL**	**SW8081**	**Units: ug/L**		
4,4'-DDD	ND		0.056	1	03/14/06 21:09	RAH	1765362
4,4'-DDE	ND		0.056	1	03/14/06 21:09	RAH	1765399
4,4'-DDT	ND		0.056	1	03/14/06 21:09	RAH	1765399
Aldrin	ND		0.056	1	03/14/06 21:09	RAH	1765362
alpha-BHC	ND		0.056	1	03/14/06 21:09	RAH	1765362
beta-BHC	ND		0.056	1	03/14/06 21:09	RAH	1765362
Chlordane	ND		0.22	1	03/14/06 21:09	RAH	1765362
delta-BHC	ND		0.056	1	03/14/06 21:09	RAH	1765362
Dieldrin	ND		0.056	1	03/14/06 21:09	RAH	1765362
Endosulfan I	ND		0.056	1	03/14/06 21:09	RAH	1765362
Endosulfan II	ND		0.056	1	03/14/06 21:09	RAH	1765362
Endosulfansulfate	ND		0.056	1	03/14/06 21:09	RAH	1765362
Endrin	ND		0.056	1	03/14/06 21:09	RAH	1765362
Endrinaldehyde	ND		0.056	1	03/14/06 21:09	RAH	1765362
gamma-BHC	ND		0.056	1	03/14/06 21:09	RAH	1765362
Heptachlor	ND		0.056	1	03/14/06 21:09	RAH	1765362
Heptachlorepoxide	ND		0.056	1	03/14/06 21:09	RAH	1765362
Methoxychlor	ND		0.056	1	03/14/06 21:09	RAH	1765362
Toxaphene	ND		2.2	1	03/14/06 21:09	RAH	1765362
Surr:Decachlorobiphenyl	51.8		% 10-121	1	03/14/06 21:09	RAH	1765399
Surr:Decachlorobiphenyl	55.0		% 10-121	1	03/14/06 21:09	RAH	1765362
Surr:Tetrachloro-m-xylene	70.1		% 17-109	1	03/14/06 21:09	RAH	1765399
Surr:Tetrachloro-m-xylene	67.0		% 17-109	1	03/14/06 21:09	RAH	1765362

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.11

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
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Client Sample ID: FB-100 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-01

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**		**SW8082**	**Units: ug/L**	
Aroclor 1016	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1221	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1232	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1242	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1248	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1254	ND		0.56	1	03/14/06 2:11	RAH	1768845
Aroclor 1260	ND		0.56	1	03/14/06 2:11	RAH	1768845
Surr:Decachlorobiphenyl	51.6		% 13-121	1	03/14/06 2:11	RAH	1768845
Surr:Tetrachloro-m-xylene	62.0		% 19-114	1	03/14/06 2:11	RAH	1768845

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.11

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Client Sample ID: RN-06 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-02

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-TP(Silvex)	ND		0.1	1	03/17/06 1:26	RAH	1767752
2,4-D	ND		1.2	1	03/17/06 1:26	RAH	1767752
Surr: DCAA	326	MI	% 23-126	1	03/17/06 1:26	RAH	1767752

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			MCL	SW8081	Units: ug/L		
4,4'-DDD	ND		0.05	1	03/14/06 21:31	RAH	1765363
4,4'-DDE	ND		0.05	1	03/14/06 21:31	RAH	1765400
4,4'-DDT	ND		0.05	1	03/14/06 21:31	RAH	1765400
Aldrin	ND		0.05	1	03/14/06 21:31	RAH	1765363
alpha-BHC	ND		0.05	1	03/14/06 21:31	RAH	1765363
beta-BHC	ND		0.05	1	03/14/06 21:31	RAH	1765363
Chlordane	ND		0.2	1	03/14/06 21:31	RAH	1765363
delta-BHC	ND		0.05	1	03/14/06 21:31	RAH	1765363
Dieldrin	ND		0.05	1	03/14/06 21:31	RAH	1765363
Endosulfan I	ND		0.05	1	03/14/06 21:31	RAH	1765363
Endosulfan II	ND		0.05	1	03/14/06 21:31	RAH	1765363
Endosulfan sulfate	ND		0.05	1	03/14/06 21:31	RAH	1765363
Endrin	ND		0.05	1	03/14/06 21:31	RAH	1765363
Endrinaldehyde	ND		0.05	1	03/14/06 21:31	RAH	1765363
gamma-BHC	ND		0.05	1	03/14/06 21:31	RAH	1765363
Heptachlor	ND		0.05	1	03/14/06 21:31	RAH	1765363
Heptachlorepoxide	14		0.25	5	03/20/06 15:38	RAH	1770123
Methoxychlor	ND		0.05	1	03/14/06 21:31	RAH	1765363
Toxaphene	ND		2	1	03/14/06 21:31	RAH	1765363
Surr: Decachlorobiphenyl	56.5		% 10-121	1	03/14/06 21:31	RAH	1765363
Surr: Decachlorobiphenyl	58.3		% 10-121	1	03/14/06 21:31	RAH	1765400
Surr: Decachlorobiphenyl	48.6		% 10-121	5	03/20/06 15:38	RAH	1770123
Surr: Tetrachloro-m-xylene	79.0		% 17-109	5	03/20/06 15:38	RAH	1770123
Surr: Tetrachloro-m-xylene	64.4		% 17-109	1	03/14/06 21:31	RAH	1765363
Surr: Tetrachloro-m-xylene	68.8		% 17-109	1	03/14/06 21:31	RAH	1765400

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
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Client Sample ID: RN-06 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-02

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**		**SW8082**	**Units: ug/L**	
Aroclor 1016	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1221	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1232	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1242	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1248	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1254	ND		0.5	1	03/14/06 2:29	RAH	1768846
Aroclor 1260	ND		0.5	1	03/14/06 2:29	RAH	1768846
Surr:Decachlorobiphenyl	58.8		% 13-121	1	03/14/06 2:29	RAH	1768846
Surr:Tetrachloro-m-xylene	62.1		% 19-114	1	03/14/06 2:29	RAH	1768846

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: RN-06D **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-03

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-TP(Silvex)	ND		0.1	1	03/17/06 1:57	RAH	1767753
2,4-D	ND		1.2	1	03/17/06 1:57	RAH	1767753
Surr: DCAA	336	MI	% 23-126	1	03/17/06 1:57	RAH	1767753

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			**MCL**	**SW8081**	**Units: ug/L**		
4,4'-DDD	ND		0.05	1	03/14/06 21:54	RAH	1765364
4,4'-DDE	ND		0.05	1	03/14/06 21:54	RAH	1765401
4,4'-DDT	ND		0.05	1	03/14/06 21:54	RAH	1765401
Aldrin	ND		0.05	1	03/14/06 21:54	RAH	1765364
alpha-BHC	ND		0.05	1	03/14/06 21:54	RAH	1765364
beta-BHC	ND		0.05	1	03/14/06 21:54	RAH	1765364
Chlordane	ND		0.2	1	03/14/06 21:54	RAH	1765364
delta-BHC	ND		0.05	1	03/14/06 21:54	RAH	1765364
Dieldrin	ND		0.05	1	03/14/06 21:54	RAH	1765364
Endosulfan I	ND		0.05	1	03/14/06 21:54	RAH	1765364
Endosulfan II	ND		0.05	1	03/14/06 21:54	RAH	1765364
Endosulfan sulfate	ND		0.05	1	03/14/06 21:54	RAH	1765364
Endrin	ND		0.05	1	03/14/06 21:54	RAH	1765364
Endrinaldehyde	ND		0.05	1	03/14/06 21:54	RAH	1765364
gamma-BHC	ND		0.05	1	03/14/06 21:54	RAH	1765364
Heptachlor	ND		0.05	1	03/14/06 21:54	RAH	1765364
Heptachlorepoxide	9.5		0.25	5	03/20/06 16:00	RAH	1770124
Methoxychlor	ND		0.05	1	03/14/06 21:54	RAH	1765364
Toxaphene	ND		2	1	03/14/06 21:54	RAH	1765364
Surr:Decachlorobiphenyl	66.5		% 10-121	1	03/14/06 21:54	RAH	1765401
Surr:Decachlorobiphenyl	67.7		% 10-121	1	03/14/06 21:54	RAH	1765364
Surr:Decachlorobiphenyl	46.5		% 10-121	5	03/20/06 16:00	RAH	1770124
Surr:Tetrachloro-m-xylene	89.4		% 17-109	5	03/20/06 16:00	RAH	1770124
Surr:Tetrachloro-m-xylene	72.8		% 17-109	1	03/14/06 21:54	RAH	1765401
Surr:Tetrachloro-m-xylene	73.0		% 17-109	1	03/14/06 21:54	RAH	1765364

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: RN-06D **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-03

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**	**SW8082**	**Units: ug/L**		
Aroclor 1016	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1221	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1232	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1242	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1248	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1254	ND		0.5	1	03/14/06 2:46	RAH	1768847
Aroclor 1260	ND		0.5	1	03/14/06 2:46	RAH	1768847
Surr:Decachlorobiphenyl	67.1		% 13-121	1	03/14/06 2:46	RAH	1768847
Surr:Tetrachloro-m-xylene	65.4		% 19-114	1	03/14/06 2:46	RAH	1768847

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: N-17 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-04

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-TP (Silvex)	ND		0.1	1	03/17/06 2:29	RAH	1767754
2,4-D	ND		1.2	1	03/17/06 2:29	RAH	1767754
Surr: DCAA	95.8		% 23-126	1	03/17/06 2:29	RAH	1767754

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			**MCL**	**SW8081**	**Units: ug/L**		
4,4'-DDD	ND		0.05	1	03/14/06 22:16	RAH	1765365
4,4'-DDE	ND		0.05	1	03/14/06 22:16	RAH	1765402
4,4'-DDT	ND		0.05	1	03/14/06 22:16	RAH	1765402
Aldrin	ND		0.05	1	03/14/06 22:16	RAH	1765365
alpha-BHC	ND		0.05	1	03/14/06 22:16	RAH	1765365
beta-BHC	ND		0.05	1	03/14/06 22:16	RAH	1765365
Chlordane	ND		0.2	1	03/14/06 22:16	RAH	1765365
delta-BHC	ND		0.05	1	03/14/06 22:16	RAH	1765365
Dieldrin	ND		0.05	1	03/14/06 22:16	RAH	1765365
Endosulfan I	ND		0.05	1	03/14/06 22:16	RAH	1765365
Endosulfan II	ND		0.05	1	03/14/06 22:16	RAH	1765365
Endosulfan sulfate	ND		0.05	1	03/14/06 22:16	RAH	1765365
Endrin	ND		0.05	1	03/14/06 22:16	RAH	1765365
Endrin aldehyde	ND		0.05	1	03/14/06 22:16	RAH	1765365
gamma-BHC	ND		0.05	1	03/14/06 22:16	RAH	1765365
Heptachlor	ND		0.05	1	03/14/06 22:16	RAH	1765365
Heptachlor epoxide	ND		0.05	1	03/14/06 22:16	RAH	1765365
Methoxychlor	ND		0.05	1	03/14/06 22:16	RAH	1765365
Toxaphene	ND		2	1	03/14/06 22:16	RAH	1765365
Surr: Decachlorobiphenyl	80.6		% 10-121	1	03/14/06 22:16	RAH	1765402
Surr: Decachlorobiphenyl	94.0		% 10-121	1	03/14/06 22:16	RAH	1765365
Surr: Tetrachloro-m-xylene	74.9		% 17-109	1	03/14/06 22:16	RAH	1765402
Surr: Tetrachloro-m-xylene	71.5		% 17-109	1	03/14/06 22:16	RAH	1765365

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: N-17 **Collected:** 03/08/2006 0:00 **SPL Sample ID:** 06030356-04

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**	**SW8082**	**Units: ug/L**		
Aroclor 1016	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1221	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1232	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1242	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1248	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1254	ND		0.5	1	03/14/06 3:04	RAH	1768848
Aroclor 1260	ND		0.5	1	03/14/06 3:04	RAH	1768848
Surr:Decachlorobiphenyl	79.5		% 13-121	1	03/14/06 3:04	RAH	1768848
Surr:Tetrachloro-m-xylene	62.1		% 19-114	1	03/14/06 3:04	RAH	1768848

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: N-16 **Collected:** 03/09/2006 0:00 **SPL Sample ID:** 06030356-05

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-TP(Silvex)	ND		0.1	1	03/17/06 3:00	RAH	1767755
2,4-D	ND		1.2	1	03/17/06 3:00	RAH	1767755
Surr: DCAA	301	MI	% 23-126	1	03/17/06 3:00	RAH	1767755

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			**MCL**	**SW8081**	**Units: ug/L**		
4,4'-DDD	ND		0.05	1	03/14/06 22:38	RAH	1765408
4,4'-DDE	ND		0.05	1	03/14/06 22:38	RAH	1765408
4,4'-DDE	ND		0.05	1	03/14/06 22:38	RAH	1765403
4,4'-DDT	ND		0.05	1	03/14/06 22:38	RAH	1765408
4,4'-DDT	ND		0.05	1	03/14/06 22:38	RAH	1765403
Aldrin	ND		0.05	1	03/14/06 22:38	RAH	1765408
alpha-BHC	ND		0.05	1	03/14/06 22:38	RAH	1765408
beta-BHC	ND		0.05	1	03/14/06 22:38	RAH	1765408
Chlordane	ND		0.2	1	03/14/06 22:38	RAH	1765408
delta-BHC	ND		0.05	1	03/14/06 22:38	RAH	1765408
Dieldrin	ND		0.05	1	03/14/06 22:38	RAH	1765408
Endosulfan I	ND		0.05	1	03/14/06 22:38	RAH	1765408
Endosulfan II	ND		0.05	1	03/14/06 22:38	RAH	1765408
Endosulfan sulfate	ND		0.05	1	03/14/06 22:38	RAH	1765408
Endrin	ND		0.05	1	03/14/06 22:38	RAH	1765408
Endrinaldehyde	ND		0.05	1	03/14/06 22:38	RAH	1765408
gamma-BHC	ND		0.05	1	03/14/06 22:38	RAH	1765408
Heptachlor	ND		0.05	1	03/14/06 22:38	RAH	1765408
Heptachlorepoxide	4		0.25	5	03/20/06 16:21	RAH	1770125
Methoxychlor	ND		0.05	1	03/14/06 22:38	RAH	1765408
Toxaphene	ND		2	1	03/14/06 22:38	RAH	1765408
Surr:Decachlorobiphenyl	87.3		% 10-121	1	03/14/06 22:38	RAH	1765408
Surr:Decachlorobiphenyl	ND	MI	% 10-121	1	03/14/06 22:38	RAH	1765403
Surr:Decachlorobiphenyl	55.0		% 10-121	5	03/20/06 16:21	RAH	1770125
Surr:Tetrachloro-m-xylene	86.2		% 17-109	5	03/20/06 16:21	RAH	1770125
Surr:Tetrachloro-m-xylene	68.2		% 17-109	1	03/14/06 22:38	RAH	1765403
Surr:Tetrachloro-m-xylene	72.8		% 17-109	1	03/14/06 22:38	RAH	1765408

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: N-16 **Collected:** 03/09/2006 0:00 **SPL Sample ID:** 06030356-05

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**		**SW8082**	**Units: ug/L**	
Aroclor 1016	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1221	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1232	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1242	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1248	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1254	ND		0.5	1	03/14/06 3:22	RAH	1768849
Aroclor 1260	ND		0.5	1	03/14/06 3:22	RAH	1768849
Surr:Decachlorobiphenyl	81.7		% 13-121	1	03/14/06 3:22	RAH	1768849
Surr:Tetrachloro-m-xylene	66.5		% 19-114	1	03/14/06 3:22	RAH	1768849

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: N-13A **Collected:** 03/09/2006 0:00 **SPL Sample ID:** 06030356-06

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			MCL	SW8151A	Units: ug/L		
2,4,5-TP(Silvex)	ND		0.1	1	03/17/06 3:31	RAH	1767756
2,4-D	ND		1.2	1	03/17/06 3:31	RAH	1767756
Surr: DCAA	201	MI	% 23-126	1	03/17/06 3:31	RAH	1767756

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 17:21	E_G	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE			MCL	SW8081	Units: ug/L		
4,4'-DDD	ND		0.056	1	03/14/06 23:01	RAH	1765367
4,4'-DDE	ND		0.056	1	03/14/06 23:01	RAH	1765404
4,4'-DDT	ND		0.056	1	03/14/06 23:01	RAH	1765404
Aldrin	ND		0.056	1	03/14/06 23:01	RAH	1765367
alpha-BHC	ND		0.056	1	03/14/06 23:01	RAH	1765367
beta-BHC	ND		0.056	1	03/14/06 23:01	RAH	1765367
Chlordane	ND		0.22	1	03/14/06 23:01	RAH	1765367
delta-BHC	ND		0.056	1	03/14/06 23:01	RAH	1765367
Dieldrin	ND		0.056	1	03/14/06 23:01	RAH	1765367
Endosulfan I	ND		0.056	1	03/14/06 23:01	RAH	1765367
Endosulfan II	ND		0.056	1	03/14/06 23:01	RAH	1765367
Endosulfan sulfate	ND		0.056	1	03/14/06 23:01	RAH	1765367
Endrin	ND		0.056	1	03/14/06 23:01	RAH	1765367
Endrinaldehyde	ND		0.056	1	03/14/06 23:01	RAH	1765367
gamma-BHC	ND		0.056	1	03/14/06 23:01	RAH	1765367
Heptachlor	ND		0.056	1	03/14/06 23:01	RAH	1765367
Heptachlorepoxide	ND		0.056	1	03/14/06 23:01	RAH	1765367
Methoxychlor	ND		0.056	1	03/14/06 23:01	RAH	1765367
Toxaphene	ND		2.2	1	03/14/06 23:01	RAH	1765367
Surr:Decachlorobiphenyl	56.4		% 10-121	1	03/14/06 23:01	RAH	1765404
Surr:Decachlorobiphenyl	59.5		% 10-121	1	03/14/06 23:01	RAH	1765367
Surr:Tetrachloro-m-xylene	67.8		% 17-109	1	03/14/06 23:01	RAH	1765404
Surr:Tetrachloro-m-xylene	66.9		% 17-109	1	03/14/06 23:01	RAH	1765367

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:52	E_G	1.11

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: N-13A **Collected:** 03/09/2006 0:00 **SPL Sample ID:** 06030356-06

Site: CHEMTURA

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER			**MCL**		**SW8082**	**Units: ug/L**	
Aroclor 1016	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1221	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1232	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1242	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1248	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1254	ND		0.56	1	03/14/06 3:40	RAH	1768850
Aroclor 1260	ND		0.56	1	03/14/06 3:40	RAH	1768850
Surr:Decachlorobiphenyl	56.9		% 13-121	1	03/14/06 3:40	RAH	1768850
Surr:Tetrachloro-m-xylene	57.7		% 19-114	1	03/14/06 3:40	RAH	1768850

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3510B	03/13/2006 11:53	E_G	1.11

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENTEK ENVIRONMENTAL LABORATORIES

LD6UNR0420

Analysis: Organochlorine Pesticides by Method 8081A - water
Method: SW8081

WorkOrder: 06030356
Lab Batch ID: 47651

Method Blank

RunID: PCBB_060314B-1765395 Units: ug/L
AnalysisDate: 03/14/2006 19:40 Analyst: RAH
PreparationDate: 03/13/2006 11:52 Prep By: E_G Method: SW3510B

Analyte	Result	Rep Limit
4,4'-DDE	ND	0.050
4,4'-DDT	ND	0.050
Surr: Decachlorobiphenyl	52.1	10-121
Surr: Tetrachloro-m-xylene	80.9	17-109

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
06030356-01A	FB-100
06030356-02A	RN-06
06030356-03A	RN-06D
06030356-04A	N-17
06030356-05A	N-16
06030356-06A	N-13A

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PCBB_060314B-1765396 Units: ug/L
AnalysisDate: 03/14/2006 20:02 Analyst: RAH
PreparationDate: 03/13/2006 11:52 Prep By: E_G Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
,4'-DDT	0.250	0.227	90.8	0.250	0.224	89.4	1.6	41	41	131

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENTEK ENVIRONMENTAL LABORATORIES

LD6UNR0420

Analysis: Organochlorine Pesticides by Method 8081A - water
Method: SW8081
WorkOrder: 06030356
Lab Batch ID: 47651

Method Blank

RunID: PCBB_060314A-1765358 Units: ug/L
Analysis Date: 03/14/2006 19:40 Analyst: RAH
Preparation Date: 03/13/2006 11:52 Prep By: E_G Method: SW3510B

Analyte	Result	Rep Limit
4,4'-DDD	ND	0.050
Aldrin	ND	0.050
alpha-BHC	ND	0.050
beta-BHC	ND	0.050
Chlordane	ND	0.20
delta-BHC	ND	0.050
Dieldrin	ND	0.050
Endosulfan I	ND	0.050
Endosulfan II	ND	0.050
Endosulfan sulfate	ND	0.050
Endrin	ND	0.050
Endrin aldehyde	ND	0.050
gamma-BHC	ND	0.050
Heptachlor	ND	0.050
Heptachlor epoxide	ND	0.050
Methoxychlor	ND	0.050
Toxaphene	ND	2.0
Surr: Decachlorobiphenyl	61.1	10-121
Surr: Tetrachloro-m-xylene	76.6	17-109

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
06030356-01A	FB-100
06030356-02A	RN-06
06030356-03A	RN-06D
06030356-04A	N-17
06030356-05A	N-16
06030356-06A	N-13A

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PCBB_060314A-1765359 Units: ug/L
Analysis Date: 03/14/2006 20:02 Analyst: RAH
Preparation Date: 03/13/2006 11:52 Prep By: E_G Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
4,4'-DDT	0.250	0.238	95.3	0.250	0.232	92.8	2.6	41	41	131
Aldrin	0.250	0.193	77.3	0.250	0.193	77.1	0.3	33	41	125
Dieldrin	0.250	0.207	82.7	0.250	0.207	82.9	0.2	27	12	147
Endrin	0.250	0.230	91.8	0.250	0.232	92.8	1.0	42	10	156
gamma-BHC	0.250	0.184	73.8	0.250	0.188	75.3	2.0	44	55	117
Heptachlor	0.250	0.174	69.5	0.250	0.175	70.0	0.8	40	42	132

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENTEK ENVIRONMENTAL LABORATORIES

LD6UNR0420

Analysis: Polychlorinated Biphenyls by Method 8082 - water
Method: SW8082
WorkOrder: 06030356
Lab Batch ID: 47653

Method Blank

RunID: PEST_060313B-1768829 Units: ug/L
AnalysisDate: 03/14/2006 1:18 Analyst: RAH
PreparationDate: 03/13/2006 11:53 Prep By: E_G Method: SW3510B

Analyte	Result	Rep Limit
Aroclor 1016	ND	0.50
Aroclor 1221	ND	0.50
Aroclor 1232	ND	0.50
Aroclor 1242	ND	0.50
Aroclor 1248	ND	0.50
Aroclor 1254	ND	0.50
Aroclor 1260	ND	0.50
Surr: Decachlorobiphenyl	49.5	13-121
Surr: Tetrachloro-m-xylene	67.5	19-114

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
06030356-01A	FB-100
06030356-02A	RN-06
06030356-03A	RN-06D
06030356-04A	N-17
06030356-05A	N-16
06030356-06A	N-13A

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_060313B-1768830 Units: ug/L
Analysis Date: 03/14/2006 1:35 Analyst: RAH
PreparationDate: 03/13/2006 11:53 Prep By: E_G Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Aroclor 1016	10.0	8.48	84.8	10.0	8.17	81.7	3.8	35	50	118
Aroclor 1260	10.0	7.96	79.6	10.0	9.46	94.6	17.3	27	43	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

LAFAYETTE LABORATORY
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SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENTEK ENVIRONMENTAL LABORATORIES

LD6UNR0420

Analysis: Chlorinated Herbicides by Method 8151A
Method: SW8151A
WorkOrder: 06030356
Lab Batch ID: 47682

Method Blank

RunID: PCBA_060316A-1767748 Units: ug/L
Analysis Date: 03/16/2006 23:20 Analyst: RAH
PreparationDate: 03/13/2006 17:21 Prep By: E_G Method: SW3510B

Analyte	Result	Rep Limit
2,4,5-TP (Silvex)	ND	0.10
2,4-D	ND	1.2
Surr: DCAA	87.1	23-126

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
06030356-01B	FB-100
06030356-02B	RN-06
06030356-03B	RN-06D
06030356-04B	N-17
06030356-05B	N-16
06030356-06B	N-13A

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PCBA_060316A-1767749 Units: ug/L
Analysis Date: 03/16/2006 23:52 Analyst: RAH
PreparationDate: 03/13/2006 17:21 Prep By: E_G Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2,4,5-TP (Silvex)	0.500	0.501	100	0.500	0.515	103	2.8	30	10	163
2,4-D	5.00	4.41	88.2	5.00	4.85	97.0	9.5	30	21	128

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Sample Receipt Checklist

Workorder:	06030356	ReceivedBy:	GAS
Date and Time Received:	3/9/2006 6:00:00 PM	Carriername:	SPL-Driver-Other
Temperature:	4.5°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	NotPresent ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	NotPresent ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	NotPresent ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	NotApplicable ☑

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 235161

0603035 6 page ____ of ____

Client Name: Entek Environmental Labs
Address: 14285 Airline Highway B.R.
Phone/Fax: 225-752-2900 / 756-2706
Client Contact: Sayi Malineni Email: entekLABS@AH.net
Project Name/No.: LD6UNR0420
Site Name: Chemtura
Site Location:
Invoice To: Entek Ph:

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Pest / PCB 8081	Herbicides 8150	8081-N > same 8082-N	8151-N					
FB-100	3/8/06				W	A	1	none	2	✓	✓							2
RN-06					W	A	1		2	✓	✓							2
RN-06D					W	A	1		2	✓	✓							2
N-17					W	A	1		2	✓	✓							2
N-16	3/9/06				W	A	1	none	2	✓	✓							2
N-13A	3/9/06				W	A	1	none	2	✓	✓							2

Client/Consultant Remarks: 06A-031-0420

Laboratory remarks: See Attached Report for analytes

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 4.5C

Requested TAT
Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler:	date 3/9/06	time 13:45	2. Received by:
3. Relinquished by:	date 3-9-06	time 18:00	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

ENTEK

ENVIRONMENTAL LABORATORIES, INC.
14285 AIRLINE HIGHWAY
BATON ROUGE, LOUISIANA 70817

Please Remit to:
P.O. Box 83412
Baton Rouge, LA 70884-3412

INVOICE

PHONE: (225) 752-2900
FAX: (225) 756-2706
Email: entcklabs@att.net

COPY

Invoice Date: 05/02/06
Invoice No: LD6-0420
Sample Rec'd: 03/07-03/09/06

CHEMTURA CORPORATION
Attn: Accounts Payable for Geismar
199 BENSON ROAD
MIDDLEBURY, CT 06749

P.O. No: **4500648915**
Notice: Report Mailed To:
STEVE KRUL
(Monitoring Wells / First QTR)

OFFICE USE ONLY: WL: 1156.00 MT: 3386.00 OL: 12,300.00 OH: 130.00 OL: 580.00

QUANTITY ORDERED	ANALYSES DESCRIPTION	UNIT PRICE	AMOUNT
22	VOLATILE ORGANICS	90.00	1,980.00
18	SEMI-VOLATILE ORGANICS	220.00	3,960.00
18	GROUND WATER QUALITY (Fe, Mn, Hg, Ba, SO4, Na, Cl)	77.00	1,386.00
17	TOC (FOUR REPLICATES)	40.00	680.00
17	TOX (FOUR REPLICATES)	80.00	1,360.00
17	pH, SPECIFIC CONDUCTANCE (FOUR REPLICATES)	28.00	476.00
	TABLE 4 PARAMETERS		
6	VOLATILE ORGANICS (SW846 #8260)	150.00	900.00
6	SEMI-VOLATILE ORGANICS (SW846 #8270)	450.00	2,700.00
7	PESTICIDES/HERBICIDES (SW846 #8051, 8081, 8082)	200.00	1,400.00
8	METALS - TABLE 4 LISTING	250.00	2,000.00
1	DEQ REPORT PREPARATION	50.00	50.00
1	STATISTICAL ANALYSES TRACKING	80.00	80.00
1	SPECIAL ORGANIC STANDARDS	580.00	580.00
	SUB-TOTAL		17,552.00
	TOTAL AMOUNT DUE		$17,552.00

TERMS: NET 30 DAYS

COURTESY COPY FOR YOUR RECORDS

Most major credit cards accepted. To pay by credit card call 1-225-752-2900.
1.5% Interest per month will be applied to delinquent accounts.

URS Corporation **Memorandum**

To: Mr. Steve Krul
Environmental Engineer
Crompton Manufacturing
Corporation, Inc.

From: Ying Qualls YQ

Office: Baton Rouge

Date: March 15, 2006

Subject: Groundwater Collection Reports, Chain-of-Custody, and water level readings for piezometers
Year 2006 First Quarter Groundwater Sampling Event
URS Project No. 19227774.00001

Enclosed please find the Groundwater Collection Reports and Chain-of-Custody forms for the Year 2006 First Quarter Groundwater Sampling Event. The water levels for the piezometers were also measured during the sampling event and the results are listed below:

Piezometer	Top of Casing to Water Level (feet)	Top of Casing to Bottom of Well (feet)
P1	3.27	32.01
P2	3.94	26.48
P3	3.98	19.79
P4	4.27	19.55
P5	4.17	19.58

Should you need additional information please do not hesitate to call me at (225) 922-5760. Thank you.

cc: Maryann Stevens, ENTEK

YQ:yq
I:\PROJECTS\CROMPTON \\19227774-2006\2006\2006Q1PIEZ.DOC

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st QTR Groundwater Sampling LOCATION Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. RN-06 & RN-06
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03 / 8 / 06 1315 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.21' TOP OF CASING TO BOTTOM 20.31'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 6.20' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03 / 8 / 06 1335 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.20'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	73.6	6.46	2.88
FIELD REPLICATE #2	71.6	6.39	2.89
FIELD REPLICATE #3	70.4	6.57	2.32
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Warm, Windy
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 4: (2) 40 ml vials with HCl for VOA, (4) 1 L glass amber jars(GAJ) for semivolatiles, BNA, and PCBs, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS RN-06 & RN-06D

SAMPLING PERSONNEL TIME 1315 TO 1335

(SIGNED) DATE 03/ 8 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. RN-07
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/9/06 0815 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.92' TOP OF CASING TO BOTTOM 17.76'
GALLONS PER WELL VOLUME 2.1 TOTAL GALLONS EVACUATED ~6.5
FINAL DEPTH TO WATER 5.57' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/9/06 0830 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.57'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	69.5	6.56	2.50
FIELD REPLICATE #2	69.4	6.37	2.50
FIELD REPLICATE #3	69.1	6.51	2.33
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool, windy
SAMPLING CHARACTERISTICS cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS RN-07

SAMPLING PERSONNEL TIME 0815 TO 0830

(SIGNED) DATE 03/9/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. RW-08
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 7 / 06 1430 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.84' TOP OF CASING TO BOTTOM 17.88'
GALLONS PER WELL VOLUME 2.3 TOTAL GALLONS EVACUATED ~7.0
FINAL DEPTH TO WATER 4.56' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 7 / 06 1455 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 4.56'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	75.8	6.20	5.39
FIELD REPLICATE #2	72.2	6.51	3.62
FIELD REPLICATE #3	72.7	6.34	4.52
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm, Breezy
SAMPLING CHARACTERISTICS cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS RW-08

SAMPLING PERSONNEL TIME 1430 TO 1455

(SIGNED) DATE 03/ 7 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-09R
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 8 /06 0850 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.46' TOP OF CASING TO BOTTOM 19.93'
GALLONS PER WELL VOLUME 2.7 TOTAL GALLONS EVACUATED ~8.5
FINAL DEPTH TO WATER 14.63' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 8 /06 1445 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL ~~1310~~ 14.63' BM

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	70.3	6.90	.58
FIELD REPLICATE #2	70.9	6.79	.59
FIELD REPLICATE #3	71.4	6.95	.59
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm
SAMPLING CHARACTERISTICS clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-09R

SAMPLING PERSONNEL TIME 0850 TO ~~1310~~ BM 1445

(SIGNED) DATE 03/ 8 /06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st QTR Groundwater Sampling LOCATION Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-13A
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/9/06 0930 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.78' TOP OF CASING TO BOTTOM 20.44'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 10.72' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/9/06 0950 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 10.72'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	71.6	7.02	1.33
FIELD REPLICATE #2	70.2	6.74	1.21
FIELD REPLICATE #3	70.1	6.72	1.25
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, windy
SAMPLING CHARACTERISTICS Slightly cloudy
CONTAINERS AND PRESERVATIVES Table 4: (2) 40 ml vials with HCl for VOA, (4) 1 L glass amber jars(GAJ) for semivolatiles, BNA, and PCBs, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-13A

SAMPLING PERSONNEL TIME 0930 TO 0950

(SIGNED) DATE 03/9/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-14
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 8 /06 1105 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.97' TOP OF CASING TO BOTTOM 23.08'
GALLONS PER WELL VOLUME 2.8 TOTAL GALLONS EVACUATED ~8.5
FINAL DEPTH TO WATER 8.27' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/8 /06 1125 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 8.27'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	72.6	6.62	.70
FIELD REPLICATE #2	71.5	6.54	.76
FIELD REPLICATE #3	70.5	6.68	.82
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, warm, breezy
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-14

SAMPLING PERSONNEL TIME 1105 TO 1125

(SIGNED) DATE 03/ 8 /06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-15
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 8 /06 0910 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.63' TOP OF CASING TO BOTTOM 92.84'
GALLONS PER WELL VOLUME 14.4 TOTAL GALLONS EVACUATED ~43.5
FINAL DEPTH TO WATER 20.74 ELEVATION TOP OF CASING –

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 8 /06 1030 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 20.74

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	73.3	6.69	0.68
FIELD REPLICATE #2	75.2	6.71	0.69
FIELD REPLICATE #3	73.8	6.90	0.69
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm, Breezy
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS –

SAMPLE ID NUMBERS N-15

SAMPLING PERSONNEL TIME 0910 TO 1030

(SIGNED) DATE 03/ 8 /06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st QTR Groundwater Sampling LOCATION Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-16
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03 / 9 / 06 0845 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.87' TOP OF CASING TO BOTTOM 22.85'
GALLONS PER WELL VOLUME 2.9 TOTAL GALLONS EVACUATED ~9.0
FINAL DEPTH TO WATER 7.46 ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03 / 9 / 06 0910 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 7.46

SAMPLE DATA

	°F				mS
FIELD REPLICATE #1	TEMP. 71.4	pH 6.16	CONDUCTIVITY 3.50
FIELD REPLICATE #2	TEMP. 70.7	pH 6.37	CONDUCTIVITY 3.71
FIELD REPLICATE #3	TEMP. 70.6	pH 6.30	CONDUCTIVITY 3.68
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, windy
SAMPLING CHARACTERISTICS Slightly cloudy
CONTAINERS AND PRESERVATIVES Table 4: (2) 40 ml vials with HCl for VOA, (4) 1 L glass amber jars(GAJ) for semivolatiles, BNA, and PCBs, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-16

SAMPLING PERSONNEL TIME 0845 TO 0910

[signature]
(SIGNED)

DATE 03/ 9 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st QTR Groundwater Sampling LOCATION Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-17
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03 / 8 / 06 1315 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.82' TOP OF CASING TO BOTTOM 74.05'
GALLONS PER WELL VOLUME 11.3 TOTAL GALLONS EVACUATED ~34
FINAL DEPTH TO WATER 5.46 ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03 / 8 / 06 1400 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.46

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	72.0	6.77	0.70
FIELD REPLICATE #2	73.0	6.75	0.69
FIELD REPLICATE #3	73.8	6.77	0.69
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Warm, Windy
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 4: (2) 40 ml vials with HCl for VOA, (4) 1 L glass amber jars(GAJ) for semivolatiles, BNA, and PCBs, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-17

SAMPLING PERSONNEL TIME 1315 TO 1400

(SIGNED) DATE 03/ 8 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-19
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/9/06 1010 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.32' TOP OF CASING TO BOTTOM 22.55'
GALLONS PER WELL VOLUME 3.0 TOTAL GALLONS EVACUATED ~ 8.0
FINAL DEPTH TO WATER 5.07' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/9/06 1030 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.07'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	71.3	7.13	.56
FIELD REPLICATE #2	71.3	6.89	.53
FIELD REPLICATE #3	71.2	6.85	.53
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Windy
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-19

SAMPLING PERSONNEL TIME 1010 TO 1030

(SIGNED) DATE 03/9/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-20
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 7 / 06 @ 10:55 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 6.18' TOP OF CASING TO BOTTOM 54.21'
GALLONS PER WELL VOLUME 14.35 TOTAL GALLONS EVACUATED ~ 43
FINAL DEPTH TO WATER 15.08' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 7 / 06 1205 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 15.08'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	75.6	6.52	0.65
FIELD REPLICATE #2	74.3	6.64	0.62
FIELD REPLICATE #3	76.2	6.76	0.69
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Breezy, ~ 75°
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-20

SAMPLING PERSONNEL TIME 1055 TO 1205

(SIGNED) DATE 03/ 7 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-21
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/7/06 1345 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.08' TOP OF CASING TO BOTTOM 24.82'
GALLONS PER WELL VOLUME 3.5 TOTAL GALLONS EVACUATED ~10.5
FINAL DEPTH TO WATER 4.84 ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/7/06 1415 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 4.84

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	76.3	6.05	2.72
FIELD REPLICATE #2	74.9	6.05	3.10
FIELD REPLICATE #3	73.7	6.17	3.20
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm, Breezy
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-21

SAMPLING PERSONNEL TIME 1345 TO 1415

(SIGNED) DATE 03/7/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-22
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 9 / 06 1050 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.93' TOP OF CASING TO BOTTOM 20.13'
GALLONS PER WELL VOLUME 2.5 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 5.67' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 9 / 06 1115 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.67'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	70.8	6.57	1.14
FIELD REPLICATE #2	69.5	6.73	1.22
FIELD REPLICATE #3	69.2	6.66	1.22
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, windy
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-22

SAMPLING PERSONNEL TIME 1050 TO 1115

(SIGNED) DATE 03/ 9 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. N-23
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/8/06 1515 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.47' TOP OF CASING TO BOTTOM 19.24'
GALLONS PER WELL VOLUME 2.4 TOTAL GALLONS EVACUATED ~7.5
FINAL DEPTH TO WATER 5.9 ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/8/06 1535 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.9

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	72	5.89	4.00
FIELD REPLICATE #2	70.1	6.00	3.98
FIELD REPLICATE #3	69.9	5.97	3.91
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Warm, Windy
SAMPLING CHARACTERISTICS _____
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS —

SAMPLE ID NUMBERS N-23

SAMPLING PERSONNEL TIME 1515 TO 1535

(SIGNED) DATE 03/8/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-1 2006 1st Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / D. Nations WELL NO. FDS 100
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 03/ 7 / 06 1520 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL — TOP OF CASING TO BOTTOM —
GALLONS PER WELL VOLUME — TOTAL GALLONS EVACUATED —
FINAL DEPTH TO WATER — ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 03/ 7 / 06 1530 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL —

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	74.8	6.63	1.15
FIELD REPLICATE #2	73.9	6.46	1.20
FIELD REPLICATE #3	72.4	6.60	1.29
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm, Breezy
SAMPLING CHARACTERISTICS clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS FDS 100

SAMPLING PERSONNEL TIME 1520 TO 1530

(SIGNED) DATE 03/ 7 / 06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

Chain of Custody and Analysis Request

LD6UNR0420-A

Page __ of __

URS Project No.: 19227774.00001
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / D. Nations
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
3-7-06	Trip Blank	W	2													
3-7-06/1205	N-20	GW	20	4	2	1	4	4	4	1						
3-7-06/1415	N-21	GW	20	4	2	1	4	4	4	1						
3-7-06/1455	RN-08	GW	20	4	2	1	4	4	4	1						
3-7-06/1530	FDS 100	GW	20	4	2	1	4	4	4	1						

3-7-06

3-7-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	3-7-06/1615
Received By:	Steven Entek	3/7/06/1615
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

Chain of Custody and Analysis Request

LD6-UNR-0420-B

Page __ of __

URS Project No.: 19227774.00001
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / D. Nations
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)				Remarks
3-8-06	Trip Blank	W	2												
3-8-06/1030	N-15	GW	20	4	2	1	4	4	4	1					
3-8-06/1115	FB 100	W	22	4	2	1	4	4	4	1	2				
3-8-06/1125	N-14	GW	20	4	2	1	4	4	4	1					
3-8-06/1335	RN-06	GW	22	4	2	1	4	4	4	1	2				
3-8-06/1335	RN-06D	GW	22	4	2	1	4	4	4	1	2				
3-8-06/1400	N-17	GW	22	4	2	1	4	4	4	1	2				
3-8-06/1445	N-09R	GW	20	4	2	1	4	4	4	1					
3-8-06/1535	N-23	GW	20	4	2	1	4	4	4	1					
	3-8-06						3-8-06								

Preservatives used:

	Signature		Date/Time
Relinquished By:		URS	3-8-06/1615
Received By:	M Stevens	Entek	3/8/06 1615
Relinquished By:			
Received By:			
Relinquished By:			
Received By Laboratory:			

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

Chain of Custody and Analysis Request

LD6UNR-0420-C

Page __ of __

URS Project No.: 19227774.00001
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / D. Nations
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
3-9-06	Trip Blank	W	2													
3-9-06/0830	RN-07	GW	20	4	2	1	4	4	4	1						
3-9-06/0910	N-16	GW	22	4	2	1	4	4	4	1	2					
3-9-06/0950	N-13A	GW	22	4	2	1	4	4	4	1	2					
3-9-06/1030	N-19	GW	20	4	2	1	4	4	4	1						
3-9-06/1115	N-22	GW	20	4	2	1	4	4	4	1						
3-9-06/1130	Field Blank	W	2	2												

3-9-06

3-9-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	3-9-06/1205
Received By:	ENTEK	3/9/06 1215
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900

Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

[redacted] 08 10:2[redacted] C.XLS [redacted]

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

SECOND QUARTER 2006
MONITORING WELL SAMPLES

SAMPLES RECEIVED: 05/30,31/06

FOR

CHEMTURA USA CORPORATION
POST OFFICE BOX 397
GEISMAR, LOUISIANA 70734

ATTENTION: STEVE KRUL

JULY 20, 2006
PROJECT NO.: LD6-0871

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

Ten monitoring well samples with a duplicate, field blank and trip blank were collected by URS Corporation and delivered to our lab on May 30 through May 31, 2006.

These samples were analyzed for parameters as specified in accordance with methods in the U.S. EPA "Test Methods for Evaluating Solid Waste Physical/Chemical Methods SW846, 3rd Edition, 1992". The results are listed on the attached pages.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni
QA Coordinator

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

js

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Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N09R	N13A	N14	N16	N21
	05/31/06	05/31/06	05/30/06	05/31/06	05/30/06
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.10	0.08	0.07	<0.01	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.05	0.16	0.40	0.99	0.14
Manganese	0.10	0.25	0.27	7.9	1.1
Chloride	25.4	305	154	1775	1765
Sodium	18.8	142	61.4	897	769
Sulfate	28.9	77.4	101	1223	727
Contamination Indicators					
Field: pH Units	6.8	6.6	7.0	5.9	6.0
pH Units	6.8	6.6	6.8	6.2	6.0
pH Units	6.8	6.7	6.8	6.3	6.1
Mean	6.8	6.6	6.9	6.1	6.0
Lab: pH Units	7.5	7.4	7.6	6.8	6.7
pH Units	7.5	7.5	7.6	6.6	6.7
pH Units	7.5	7.5	7.4	6.6	6.8
pH Units	7.6	7.5	7.6	6.8	6.9
Mean	7.5	7.5	7.6	6.7	6.8
Field: Specific Conductance	630	1,170	890	3,650	3,310
Specific Conductance	620	1,280	970	3,880	3,380
Specific Conductance	630	1,220	940	3,840	3,380
Mean	627	1,223	933	3,790	3,357
Lab: Specific Conductance	600	1,390	1,064	7,060	6,270
Specific Conductance	582	1,394	1,077	7,160	6,440
Specific Conductance	610	1,390	1,010	7,010	6,430
Specific Conductance	597	1,366	1,028	7,310	6,350
Mean	597	1,385	1,045	7,135	6,373

MONITORING WELL NUMBER:	N09R	N13A	N14	N16	N21
Entek Lab Identification No.:					
Metals	06-06079	06-06015	06-05951	06-06063	06-05887
pH/Conductivity	06-06067	06-06003	06-05939	06-06051	06-05875
pH/Conductivity	06-06068	06-06004	06-05940	06-06052	06-05876
pH/Conductivity	06-06069	06-06005	06-05941	06-06053	06-05877
pH/Conductivity	06-06070	06-06006	06-05942	06-06054	06-05878
Chloride/Sulfate	06-06066	06-06002	06-05938	06-06050	06-05874

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Chemtura USA Corp.
Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N23	RN06	RN06D	RN07	RN08
	05/30/06	05/31/06	05/31/06	05/30/06	05/30/06
(concentrations mg/L)					
Drinking Water Suitability					
Barium	<0.01	<0.01	<0.01	<0.01	0.06
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.92	0.37	0.30	1.6	1.3
Manganese	6.4	2.1	2.1	2.9	2.5
Chloride	1776	679	740	540	1999
Sodium	703	705	614	601	1084
Sulfate	1046	466	486	800	254
Contamination Indicators					
Field: pH Units	5.8	6.4	--	6.2	6.2
pH Units	5.8	6.5	--	6.3	6.3
pH Units	6.0	6.4	--	6.2	6.4
Mean	5.9	6.5	--	6.2	6.3
Lab: pH Units	6.8	7.1	7.1	7.4	7.1
pH Units	6.7	7.1	7.1	7.2	7.2
pH Units	6.7	7.0	6.9	7.2	7.0
pH Units	6.8	7.1	7.0	7.2	7.0
Mean	6.8	7.1	7.0	7.3	7.1
Field: Specific Conductance	3,870	2,670	--	2,310	3,830
Specific Conductance	3,680	2,460	--	2,500	3,570
Specific Conductance	3,660	2,470	--	2,450	3,140
Mean	3,737	2,533	--	2,420	3,513
Lab: Specific Conductance	7,110	3,530	3,580	3,500	6,680
Specific Conductance	7,110	3,540	3,570	3,560	6,270
Specific Conductance	7,120	3,540	3,570	3,670	6,350
Specific Conductance	7,120	3,540	3,580	3,520	6,720
Mean	7,115	3,538	3,575	3,563	6,505

MONITORING WELL NUMBER:	N23	RN06	RN06D	RN07	RN08
Entek Lab Identification No.:					
Metals	06-05919	06-06031	06-06047	06-05935	06-05903
pH/Conductivity	06-05907	06-06019	06-06035	06-05923	06-05891
pH/Conductivity	06-05908	06-06020	06-06036	06-05924	06-05892
pH/Conductivity	06-05909	06-06021	06-06037	06-05925	06-05893
pH/Conductivity	06-05910	06-06022	06-06038	06-05926	06-05894
Chloride/Sulfate	06-05906	06-06018	06-06034	06-05922	06-05890

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N09R	N13A	N14	N16	N21
(concentrations mg/L) **Contamination Indicators**					
TOC	<1.0	<1.0	<1.0	21	17
TOC	<1.0	<1.0	<1.0	20	17
TOC	<1.0	<1.0	<1.0	22	18
TOC	<1.0	<1.0	<1.0	23	16
Mean	<1.0	<1.0	<1.0	22	17
TOX	0.02	0.04	0.03	0.06	0.06
TOX	0.02	0.02	0.02	0.06	0.05
TOX	0.03	0.03	0.03	0.05	0.06
TOX	0.03	0.03	0.03	0.06	0.06
Mean	0.03	0.03	0.03	0.06	0.06
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	<10.0	<10.0
2(3H)Benzothiazolone	<10.0	<10.0	<10.0	480	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N09R	N13A	N14	N16	N21
Entek Lab Identification No.:					
TOC	06-06071-06074	06-06007-06010	06-05943-05946	06-06055-06058	06-05879-05882
TOX	06-06075-06078	06-06011-06014	06-05947-05950	06-06059-06062	06-05883-05886
Volatile Organics	06-06064	06-06000	06-05936	06-06048	06-05872
Semi-Volatile Organics	06-06065	06-06001	06-05937	06-06049	06-05873

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N23 06-06070	RN06	RN06D	RN07	RN08
(concentrations mg/L) **Contamination Indicators**					
TOC	14	10	10	12	5.0
TOC	14	10	10	13	5.0
TOC	14	10	10	13	6.0
TOC	14	10	10	13	6.0
Mean	14	10	10	13	5.5
TOX	0.04	0.06	0.05	0.07	0.06
TOX	0.05	0.07	0.06	0.06	0.04
TOX	0.04	0.06	0.05	0.07	0.04
TOX	0.04	0.08	0.06	0.08	0.05
Mean	0.04	0.07	0.06	0.07	0.05
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	28	<10.0
2(3H)Benzothiazolone	24	223	330	740	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	11.0	12.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	06-06070	RN06	RN06D	RN07	RN08
Entek Lab Identification No.:					
TOC	06-05911-05914	06-06023-06026	06-06039-06042	06-05927-05930	06-05895-05898
TOX	06-05915-05918	06-06027-06030	06-06043-06046	06-05931-05934	06-05899-05902
Volatile Organics	06-05904	06-06016	06-06032	06-05920	06-05888
Semi-Volatile Organics	06-05905	06-06017	06-06033	06-05921	06-05889

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FDS	FB	
	05/30/06	05/30/06	
(concentrations mg/L)			
Drinking Water Suitability			
Barium	0.04	<0.01	
Mercury	<0.0002	<0.0002	
Ground Water Quality			
Iron	0.04	<0.01	
Manganese	0.26	<0.01	
Chloride	408	54.5	
Sodium	236	42.6	
Sulfate	335	<2.5	
Contamination Indicators			
Field: pH Units	6.1	--	
pH Units	6.2	--	
pH Units	6.2	--	
Mean	6.2		
Lab: pH Units	7.2	7.6	
pH Units	7.1	7.4	
pH Units	7.1	7.5	
pH Units	7.1	7.5	
Mean	7.1	7.5	
Field: Specific Conductance	1620	--	
Specific Conductance	1600	--	
Specific Conductance	1600	--	
Mean	1,607		
Lab: Specific Conductance	2,290	240	
Specific Conductance	2,290	237	
Specific Conductance	2,290	237	
Specific Conductance	2,290	237	
Mean	2,290	238	

MONITORING WELL NUMBER:	FDS	FB	
Entek Lab Identification No.:			
Metals	06-05871	06-05967	
pH/Conductivity	06-05859	06-05955	
pH/Conductivity	06-05860	06-05956	
pH/Conductivity	06-05861	06-05957	
pH/Conductivity	06-05862	06-05958	
Chloride/Sulfate	06-05858	06-05954	

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MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FDS	FB	Trip Blank TB 05/30/06	Trip Blank TB 05/31/06	
(concentrations mg/L)					
Contamination Indicators					
TOC	3.0	<1.0	--	--	
TOC	4.0	<1.0	--	--	
TOC	4.0	<1.0	--	--	
TOC	4.0	<1.0	--	--	
Mean	3.8	<1.0			
TOX	0.03	<0.01	--	--	
TOX	0.03	<0.01	--	--	
TOX	0.04	<0.01	--	--	
TOX	0.03	<0.01	--	--	
Mean	0.03	<0.01			
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	
Benzenethiol	<10.0	<10.0	Not Requested	Not Requested	
Benzothiazole	<10.0	<10.0	Not Requested	Not Requested	
2(3H)Benzothiazolone	420	<10.0	Not Requested	Not Requested	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	
N-nitrosodiphenylamine	<10.0	<10.0	Not Requested	Not Requested	
Toluene	<5.0	<5.0	<5.0	<5.0	

MONITORING WELL NUMBER:	FDS	FB	TB 05/30/06	TB 05/31/06	
Entek Lab Identification No.:					
TOC	06-05863-05866	06-05959-05962	--	--	
TOX	06-05867-05870	06-05963-05966	--	--	
Volatile Organics	06-05856	06-05952	06-05968	06-05999	
Semi-Volatile Organics	06-05857	06-05953	--	--	

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July 20, 2006
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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Lab Blank	LCS QC (observed/true)	
(concentrations mg/L) **Drinking Water Suitability**			
Barium	<0.010	1.05 /1.00	
Mercury	<0.0002	0.0018 /0.0020	
Ground Water Quality			
Iron	<0.010	1.01 /1.00	
Manganese	<0.010	1.04 /1.00	
Chloride	<1.0	0.91 /1.00	
Sodium	<0.010	1.98 /2.00	
Sulfate	<2.5	0.92 /1.00	
Contamination Indicators			
Lab: pH Units	NA	6.0 /6.0	
pH Units	NA	6.0 /6.0	
Lab: Specific Conductance	NA	1413 /1412	
Specific Conductance	NA	1412 /1412	
(concentrations mg/L) **Contamination Indicators**			
TOC	<1.0	20 /20	
TOC	<1.0	5.0 /5.0	
TOX	<0.01	1.8 /2.0	
(concentrations ug/L) **Priority Pollutant Organics**			
Benzene	<5.0	0.049 /0.050	
Benzenethiol	<10.0	-- / --	
Benzothiazole	<10.0	70 /100	
2(3H)Benzothiazolone	<10.0	114 /100	
1,1-Dichloroethane	<5.0	0.050 /0.050	
1,2-Dichloroethane	<5.0	0.053 /0.050	
1,1-Dichloroethene	<5.0	0.045 /0.050	
Methylene Chloride	<5.0	-- / --	
N-nitrosodiphenylamine	<10.0	68 /100	
Toluene	<5.0	0.050 /0.050	

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Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Spike RN06D Amt/Rec	Spike RN06 Amt/Rec	Spike N09R Amt/Rec	Spike N16 Amt/Rec	Spike N23 Amt/Rec
(concentrations ug/L unless stated otherwise)					
Drinking Water Suitability					
Barium	5ug/148%	--	--	--	--
Mercury	--	0.1ug/92%	--	--	--
Ground Water Quality					
Iron	5ug/130%	--	--	--	--
Manganese	5ug/96%	--	--	--	--
Chloride	--	--	--	--	5ug/100%
Sodium	1ug/110%	--	--	--	--
Sulfate	--	--	--	--	5ug/97%
Contamination Indicators					
TOC	--	--	--	4.0ug/97%	--
TOX	--	--	2.0ug/90%	--	--
Priority Pollutant Organics					
Benzene	--	--	--	--	--
Benzenethiol	--	--	--	--	--
Benzothiazole	--	--	--	--	--
2(3H) Benzothiazolone	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--
1,2-Dichloroethane	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--
Methylene Chloride	--	--	--	--	--
N-nitrosodiphenylamine	--	--	--	--	--
Toluene	--	--	--	--	--

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Geismar, Louisiana

July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Spike N14 Amt/Rec				
(concentrations ug/L unless stated otherwise)					
Drinking Water Suitability					
Barium	--				
Mercury	--				
Ground Water Quality					
Iron	--				
Manganese	--				
Chloride	--				
Sodium	--				
Sulfate	--				
Contamination Indicators					
TOC	--				
TOX	--				
Priority Pollutant Organics					
Benzene	0.25ug/94%				
Benzenethiol	--				
Benzothiazole	100ug/69%				
2(3H) Benzothiazolone	100ug/116%				
1,1-Dichloroethane	0.25ug/100%				
1,2-Dichloroethane	0.25ug/104%				
1,1-Dichloroethene	0.25ug/94%				
Methylene Chloride	0.25ug/96%				
N-nitrosodiphenylamine	100ug/64%				
Toluene	0.25ug/96%				

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July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	% Limits	N09R 05/31/06	N-13A 05/31/06	N14 05/30/06	N16 05/31/06
Dibromofluoromethane	86-118	99	98	97	98
1,2-Dichloroethane-d4	80-120	99	99	99	100
Toluene-d8	88-110	96	98	99	98
Bromofluorobenzene	86-115	100	100	100	99
2-Fluorophenol	21-100	36	36	27	2*
Phenol-d6	10- 94	26	25	19	0.4*
Nitrobenzene-d5	35-114	42	43	37	45
2-Fluorobiphenyl	35-116	41	46	38	44
2,4,6-Tribromophenol	10-123	80	84	66	3*
Terphenyl-d14	33-141	73	64	54	65

MONITORING WELL NUMBER: (Percent Recovery)	N21 05/30/06	N23 05/30/06			
Dibromofluoromethane	98	98			
1,2-Dichloroethane-d4	97	98			
Toluene-d8	98	97			
Bromofluorobenzene	100	100			
2-Fluorophenol	32	3*			
Phenol-d6	26	2*			
Nitrobenzene -d5	47	40			
2-Fluorobiphenyl	47	44			
2,4,6-Tribromophenol	68	12			
Terphenyl-d14	64	67			

* Surrogate recovery poor or no surrogate recovery due to matrix interference.

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July 20, 2006
Project No.: LD6-0871

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	RN06 05/31/06	RN06D 05/31/06	RN07 05/30/06	RN08 05/30/06	
Dibromofluoromethane	98	94	96	97	
1,2-Dichloroethane-d4	93	92	96	98	
Toluene-d8	96	98	96	96	
Bromofluorobenzene	99	101	100	101	
2-Fluorophenol	21	20	26	6*	
Phenol-d6	18	15	19	3*	
Nitrobenzene -d5	46	40	43	33*	
2-Fluorobiphenyl	52	43	41	36*	
2,4,6-Tribromophenol	53	53	55	46	
Terphenyl-d14	77	61	54	69	

MONITORING WELL NUMBER: (Percent Recovery)	FDS 05/30/06	FB 05/30/06	N14 Spike		% Limits
Dibromofluoromethane	95	98	100		86-118
1,2-Dichloroethane-d4	94	103	101		80-120
Toluene-d8	96	99	99		88-110
Bromofluorobenzene	99	100	100		86-115
2-Fluorophenol	29	47	38		21-100
Phenol-d6	21	31	31		10- 94
Nitrobenzene -d5	34	50	35		35-114
2-Fluorobiphenyl	38	52	41		35-116
2,4,6-Tribromophenol	82	90	78		10-123
Terphenyl-d14	55	76	69		33-141

* Surrogate recovery poor or no surrogate recovery due to matrix interference.

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	Trip Blank 05/30/06	Trip Blank 05/31/06			% Limits
Dibromofluoromethane	97	100			86-118
1,2-Dichloroethane-d4	102	102			80-120
Toluene-d8	99	99			88-110
Bromofluorobenzene	100	101			86-115
2-Fluorophenol	NA	NA			21-100
Phenol-d6	NA	NA			10- 94
Nitrobenzene -d5	NA	NA			35-114
2-Fluorobiphenyl	NA	NA			35-116
2,4,6-Tribromophenol	NA	NA			10-123
Terphenyl-d14	NA	NA			33-141

MONITORING WELL NUMBER: (Percent Recovery)	Lab Blank 1 06/01/06	Lab Blank 2 06/27/06			% Limits
Dibromofluoromethane	98	NA			86-118
1,2-Dichloroethane-d4	100	NA			80-120
Toluene-d8	98	NA			88-110
Bromofluorobenzene	100	NA			86-115
2-Fluorophenol	NA	39			21-100
Phenol-d6	NA	27			10- 94
Nitrobenzene -d5	NA	40			35-114
2-Fluorobiphenyl	NA	43			35-116
2,4,6-Tribromophenol	NA	60			10-123
Terphenyl-d14	NA	38			33-141

NA - Not Applicable

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July 20, 2006
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QUALITY CONTROL DATA
SAMPLE DATE: 05/30, 05/31/06
ANALYZED/METHODS DATA

Drinking Water Suitability	**DTA Start**	**DTA Finish**	**Method of Analyses**
Barium	06/08/06/1100/CEM	06/08/06/1345/CEM	SW846 6010
Mercury	06/13/06/1000/CEM	06/13/06/1500/CEM	SW846 7470
Ground Water Quality			
Iron	06/08/06/1100/CEM	06/08/06/1345/CEM	SW846 6010
Manganese	06/08/06/1100/CEM	06/08/06/1345/CEM	SW846 6010
Chloride	06/02/06/0900/CEM	06/05/06/1600/CEM	SW846 9252
Sodium	06/07/06/1500/CEM	07/12/06/1530/CEM	SW846, 7770
Sulfate	06/02/06/0900/CEM	06/05/06/1600/CEM	SW846 9038
Contamination Indicators			
pH Units	05/30/06/1710/LNA	05/31/06/1715/LNA	SW846 9040
Specific Conductance	05/30/06/1710/LNA	05/31/06/1715/LNA	SW846 9050
Contamination Indicators			
TOC	06/04/06/0800/SSP	06/14/06/1600/SSP	SW846, 9060A
TOX	06/10/06/0830/SLS	06/11/06/1450/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	06/01/06/JDS	06/01/06/JDS	SW846, 8260B
Semivolatile Organics	06/20/06/JDS	06/29/06/JDS	SW846, 8270C
Extractions	06/05/06/DR	06/05/06/DR	SW846, 3510C

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Baton Rouge, LA 70884-3412

INVOICE

PHONE: (225) 752-2900
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Email: entcklabs@att.net

COPY

Invoice Date: 08/04/06
Invoice No: LD6-0871
Sample Rec'd: 05/30-05/31

CHEMTURA CORPORATION
Attn: Accounts Payable for Geismar
199 BENSON ROAD
MIDDLEBURY, CT 06749

P.O. No: 4500648915
Notice: Report Mailed To:
STEVE KRUL
(Monitoring Wells / 2nd Qtr)

OFFICE USE ONLY: WL/LNA: 336.00 WL: 341.00 MT: 660.00 WL/SSP: 490.00 OL: 5190.00 OH: 130.00

QUANTITY ORDERED	ANALYSES DESCRIPTION	UNIT PRICE	AMOUNT
15	VOLATILE ORGANICS	90.00	1,350.00
13	SEMI-VOLATILE ORGANICS	220.00	2,860.00
13	GROUND WATER QUALITY (Fe, Mn, Hg, Ba, SO4, Na, Cl)	77.00	1,001.00
12	TOC (FOUR REPLICATES)	40.00	480.00
1	TOC (SPIKE)	10.00	10.00
12	TOX (FOUR REPLICATES)	80.00	960.00
1	TOX (SPIKE)	20.00	20.00
12	pH, SPECIFIC CONDUCTANCE (FOUR REPLICATES)	28.00	336.00
1	DEQ REPORT PREPARATION	50.00	50.00
1	STATISTICAL ANALYSES TRACKING	80.00	80.00
		SUB-TOTAL	7,147.00
		TOTAL AMOUNT DUE	$7,147.00

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URS Corporation **Memorandum**

To: Mr. Steve Krul
Environmental Engineer
Crompton/Chemtura Manufacturing
Corporation, Inc.

From: Ying Qualls YQ

Office: Baton Rouge

Date: June 5, 2006

Subject: Groundwater Collection Reports, Chain-of-Custody, and water level readings for piezometers and monitoring wells
Year 2006 Second Quarter Groundwater Sampling Event
URS Project No. 19227774.00002

Enclosed please find the Groundwater Collection Reports and Chain-of-Custody forms for the Year 2006 Second Quarter Groundwater Sampling Event. The water levels for the monitoring wells that were not scheduled to be sampled this quarter and the piezometers were also measured during the sampling event and the results are listed below:

Piezometer/ Monitor Well	Top of Casing to Water Level (feet)	Top of Casing to Bottom of Well (feet)
P1	11.14	32.01
P2	11.64	26.48
P3	9.76	19.79
P4	9.26	19.55
P5	9.89	19.58
N-19	4.71	22.55
N-22	9.75	20.13
N-15	5.85	92.84
N-17	5.95	74.05
N-20	6.80	94.21

Should you need additional information please do not hesitate to call me at (225) 922-5760. Thank you.

cc: Maryann Stevens, ENTEK

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URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RW-06
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/31/06 0950 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.92' TOP OF CASING TO BOTTOM 20.31'
GALLONS PER WELL VOLUME 2.3 TOTAL GALLONS EVACUATED ~7.0
FINAL DEPTH TO WATER 8.17' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/31/06 1012 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 8.17'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	76.2	6.40	2.67
FIELD REPLICATE #2	75.0	6.54	2.46
FIELD REPLICATE #3	73.9	6.44	2.42
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RW-06, RW-06D

SAMPLING PERSONNEL TIME 0950 TO 1012

B. Muller
(SIGNED)

DATE 05/31/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RW-07
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1400 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 7.96' TOP OF CASING TO BOTTOM 17.76'
GALLONS PER WELL VOLUME 1.6 TOTAL GALLONS EVACUATED ~5.0
FINAL DEPTH TO WATER 11.21' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1415 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 11.21'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	77.7	6.21	2.31
FIELD REPLICATE #2	74.9	6.27	2.50
FIELD REPLICATE #3	73.3	6.22	2.45
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RW-07

SAMPLING PERSONNEL TIME 1400 TO 1415

(SIGNED) DATE 05/30/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. MW-08
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE (·) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1225 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.15' TOP OF CASING TO BOTTOM 17.88'
GALLONS PER WELL VOLUME 2.2 TOTAL GALLONS EVACUATED ~6.6
FINAL DEPTH TO WATER 5.91' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1245 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.91'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	78.4	6.16	3.83
FIELD REPLICATE #2	76.8	6.30	3.57
FIELD REPLICATE #3	76.6	6.44	3.14
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING cloudy, warm
SAMPLING CHARACTERISTICS slightly cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS MW-08

SAMPLING PERSONNEL TIME 1225 TO 1245

(SIGNED) DATE 05/30/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-09R
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/31/06 1300 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.50' TOP OF CASING TO BOTTOM 12.93'
GALLONS PER WELL VOLUME 2.7 TOTAL GALLONS EVACUATED ~8.5
FINAL DEPTH TO WATER Dry ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/31/06 1400 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL Dry

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	78.3	6.84	0.63
FIELD REPLICATE #2	75.0	6.76	0.62
FIELD REPLICATE #3	76.2	6.79	0.63
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, ~~[illegible]~~ Hot
SAMPLING CHARACTERISTICS _____
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS Well went Dry after 2 volumes. Let recharge, took 3rd volume & sampled.

SAMPLE ID NUMBERS N-09R

SAMPLING PERSONNEL TIME 1300 TO 1400

(SIGNED) DATE 05/31/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-13A
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/31/06 0830 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.95' TOP OF CASING TO BOTTOM 20.44'
GALLONS PER WELL VOLUME 2.5 TOTAL GALLONS EVACUATED 7.5
FINAL DEPTH TO WATER 8.10' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/31/06 0900 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 8.10'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	74.1	6.63	1.17
FIELD REPLICATE #2	73.8	6.58	1.28
FIELD REPLICATE #3	73.7	6.68	1.22
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm
SAMPLING CHARACTERISTICS Slightly Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-13A

SAMPLING PERSONNEL TIME 0830 TO 0900

(SIGNED) DATE 05/31/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-14
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1430 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 11.00' TOP OF CASING TO BOTTOM 23.08'
GALLONS PER WELL VOLUME 2.0 TOTAL GALLONS EVACUATED 6.0
FINAL DEPTH TO WATER (Did not measure in error). ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1445 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL _____

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	74.2	6.98	0.89
FIELD REPLICATE #2	71.6	6.80	0.97
FIELD REPLICATE #3	70.7	6.82	0.94
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy
SAMPLING CHARACTERISTICS _____
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-14

SAMPLING PERSONNEL TIME 1430 TO 1445

(SIGNED) DATE 05/30/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-16
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/31/06 1205 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 7.75' TOP OF CASING TO BOTTOM 22.85'
GALLONS PER WELL VOLUME 2.5 TOTAL GALLONS EVACUATED ~7.5
FINAL DEPTH TO WATER 11.67' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/31/06 1225 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 11.67'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	76.9	5.91	3.65
FIELD REPLICATE #2	74.1	6.15	3.88
FIELD REPLICATE #3	74.2	6.28	3.84
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-16

SAMPLING PERSONNEL TIME 1205 TO 1225

(SIGNED) DATE 05/31/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-21
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1045 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.30' TOP OF CASING TO BOTTOM 24.82'
GALLONS PER WELL VOLUME 3.5 TOTAL GALLONS EVACUATED 10.5
FINAL DEPTH TO WATER 4.15' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1117 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 4.15'

SAMPLE DATA

	TEMP. (°F)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	80.2	5.97	3.31
FIELD REPLICATE #2	76.6	6.00	3.38
FIELD REPLICATE #3	77.5	6.14	3.38
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Warm
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-21

SAMPLING PERSONNEL TIME 1045 TO 1117

(SIGNED) DATE 05/30/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-23
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1310 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.65' TOP OF CASING TO BOTTOM 19.24'
GALLONS PER WELL VOLUME 2.2 TOTAL GALLONS EVACUATED ~6.6
FINAL DEPTH TO WATER 7.0' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1326 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 7.0'

SAMPLE DATA

		°F				mS
FIELD REPLICATE #1	TEMP.	78.4	pH	5.82	CONDUCTIVITY	3.87
FIELD REPLICATE #2	TEMP.	75.3	pH	5.76	CONDUCTIVITY	3.68
FIELD REPLICATE #3	TEMP.	74.9	pH	5.99	CONDUCTIVITY	3.66
FIELD REPLICATE #4	TEMP.	NA	pH	NA	CONDUCTIVITY	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-23

SAMPLING PERSONNEL TIME 1310 TO 1326

[signature] DATE 05/30/06
(SIGNED)

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-2 2006 2nd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. FDS
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 05/30/06 1015 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL — TOP OF CASING TO BOTTOM —
GALLONS PER WELL VOLUME — TOTAL GALLONS EVACUATED —
FINAL DEPTH TO WATER — ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 05/30/06 1030 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL —

SAMPLE DATA

		°F				mS
FIELD REPLICATE #1	TEMP.	75.4	pH	6.09	CONDUCTIVITY	1.62
FIELD REPLICATE #2	TEMP.	76.0	pH	6.22	CONDUCTIVITY	1.60
FIELD REPLICATE #3	TEMP.	75.5	pH	6.15	CONDUCTIVITY	1.60
FIELD REPLICATE #4	TEMP.	NA	pH	NA	CONDUCTIVITY	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Warm, Cloudy
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS FDS

SAMPLING PERSONNEL TIME 1015 TO 1030

[signature]
(SIGNED)

DATE 05/30/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

Chain of Custody and Analysis Request

Page __ of __

URS Project No.:19227774.00002
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Solleau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
5/30/06 1030	FDS	GW	18	2	2	1	4	4	4	1						
5/30/06 1117	N-21	GW	18	2	2	1	4	4	4	1						
5/30/06 1215	MW-08	GW	18	2	2	1	4	4	4	1						
5/30/06 1326	N-23	GW	18	2	2	1	4	4	4	1						
5/30/06 1415	MW-07	GW	18	2	2	1	4	4	4	1						
5/30/06 1445	N-14	GW	18	2	2	1	4	4	4	1						
5/30/06 1515	Field Blank	BW	18	2	2	1	4	4	4	1						
5/30/06	Trip Blank	BW	4	4												

5-30-06

5-30-06

Preservatives used:

	Signature		Date/Time
Relinquished By:		URS	5/30/06 1605
Received By:	Jackie Valdez	Entek	05/30/06 1605
Relinquished By:			
Received By:			
Relinquished By:			
Received By Laboratory:			

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

5/25/2006 3:47 PM Copy of COC.XLS

URS Corporation

Chain of Custody and Analysis Request

URS Project No.: 19227774.00002
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Solleau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix*	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)				Remarks
5/31/06	Trip Blank	BW	4	4											
5/31/06 0900	N-13A	GW	18	2	2	1	4	4	4	1					
5/31/06 1012	RN-06	GW	18	2	2	1	4	4	4	1					
5/31/06 1028	RN-06D	GW	18	2	2	1	4	4	4	1					
5/31/06 1225	N-16	GW	18	2	2	1	4	4	4	1					
5/31/06 1400	N-09R	GW	18	2	2	1	4	4	4	1					

Methods

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	5/31/06 1458
Received By:		
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:	Jackie Valdez	05/31/06 1458

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

5/26/2006 3:47 PM Copy of COC.XLS

URS Corporation

LDEQUNR 0871

Chain of Custody and Analysis Request

Page __ of __

URS Project No.: 19227774.00002
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
5/30/06 1030	FDS	GW	18	2	2	1	4	4	4	1						
5/30/06 1117	N-21	GW	18	2	2	1	4	4	4	1						
5/30/06 1245	N-08	GW	18	2	2	1	4	4	4	1						
5/30/06 1326	N-23	GW	18	2	2	1	4	4	4	1						
5/30/06 1415	MW-07	GW	18	2	2	1	4	4	4	1						
5/30/06 1445	N-14	GW	18	2	2	1	4	4	4	1						
5/30/06 1515	Field Blank	BW	18	2	2	1	4	4	4	1						
5/30/06	Trip Blank	BW	4	4												

5-30-06

5-30-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	5/30/06 1605
Received By:	Jackie Valdez Entek	05/30/06 1605
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laberabory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

LD6UNR0871-A

Chain of Custody and Analysis Request

URS Project No.: 19227774.00002
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
5/31/06	Trip Blank	BW	4	4												
5/31/06 0900	N-13A	GW	18	2	2	1	4	4	4	1						
5/31/06 1012	RN-06	GW	18	2	2	1	4	4	4	1						
5/31/06 1028	RN-06D	GW	18	2	2	1	4	4	4	1						
5/31/06 1225	N-16	GW	18	2	2	1	4	4	4	1						
5/31/06 1400	N-09A	GW	18	2	2	1	4	4	4	1						

5/31/06

5/31/06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	5/31/06 1458
Received By:		
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:	Jackie Valley	05/31/06 1458

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

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THIRD QUARTER 2006
MONITORING WELL SAMPLES

SAMPLES RECEIVED: 08/15-08/17/06

FOR

CHEMTURA USA CORPORATION
POST OFFICE BOX 397
GEISMAR, LOUISIANA 70734

ATTENTION: STEVE KRUL

SEPTEMBER 22, 2006
PROJECT NO.: LD6-1389

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Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

Fifteen monitoring well samples with a duplicate, field blank and trip blanks were collected by URS Corporation and delivered to our lab August 15 through August 17, 2005.

These samples were analyzed for parameters as specified in accordance with methods in the U.S. EPA "Test Methods for Evaluating Solid Waste Physical/Chemical Methods SW846, 3rd Edition, 1992". The results are listed on the attached pages.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni
QA Coordinator

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

js

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Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

SAMPLE DATE:	08/17/06	08/15/06	08/17/06	08/17/06	08/16/06
MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.08	0.05	0.10	0.33	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.22	0.11	0.46	0.30	1.68
Manganese	0.05	0.08	0.14	0.23	6.59
Chloride	37.7	335	133	25.8	1364
Sodium	19	108	52	40.7	695
Sulfate	32.2	61.6	160	8.97	1124
Contamination Indicators					
Field: pH Units	7.35	7.11	7.52	7.52	6.73
pH Units	7.37	7.06	7.33	7.53	6.68
pH Units	7.35	7.12	7.36	7.52	6.69
Mean	7.36	7.10	7.40	7.52	6.70
Lab: pH Units	7.3	7.6	7.0	7.2	6.8
pH Units	7.3	7.6	7.0	7.2	6.8
pH Units	7.3	7.6	7.0	7.2	6.8
pH Units	7.3	7.6	7.0	7.2	6.8
Mean	7.3	7.6	7.0	7.2	6.8
Field: Specific Conductance	670	1390	1310	880	6110
Specific Conductance	660	1580	1260	810	6510
Specific Conductance	660	1540	1240	850	6500
Mean	663	1503	1270	847	6373
Lab: Specific Conductance	748	1515	1210	842	6380
Specific Conductance	745	1417	1168	852	6540
Specific Conductance	741	1584	1201	852	6330
Specific Conductance	742	1485	1184	852	6390
Mean	744	1500	1191	850	6410

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
Entek Lab Identification No.:					
Metals	06-09615	06-09222	06-09583	06-09567	06-06550
pH/Conductivity	06-09603	06-09210	06-09571	06-09555	06-09538
pH/Conductivity	06-09604	06-09211	06-09572	06-09556	06-09539
pH/Conductivity	06-09605	06-09212	06-09573	06-09557	06-09540
pH/Conductivity	06-09606	06-09213	06-09574	06-09558	06-09541
Chloride/Sulfate	06-09602	06-09209	06-06570	06-09554	06-09537

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Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

SAMPLE DATE:	08/17/06	08/15/06	08/16/06	08/16/06	08/16/06
MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.53	0.12	0.30	<0.01	0.18
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	0.74	0.72	0.54	0.30	0.85
Manganese	<0.01	0.73	0.13	1.2	0.06
Chloride	22.9	36.6	9.4	1525	95.8
Sodium	36.4	15.8	49.6	757	30.4
Sulfate	7.38	26.6	<2.5	711	76.3
Contamination Indicators					
Field: pH Units	7.43	7.09	7.41	6.80	7.13
pH Units	7.54	7.30	7.37	6.82	7.18
pH Units	7.49	7.31	7.44	6.80	7.18
Mean	7.49	7.23	7.41	6.81	7.16
Lab: pH Units	7.3	7.1	7.2	6.5	7.1
pH Units	7.3	7.1	7.2	6.5	7.1
pH Units	7.3	7.1	7.2	6.5	7.1
pH Units	7.3	7.1	7.2	6.5	7.1
Mean	7.3	7.1	7.2	6.5	7.1
Field: Specific Conductance	800	590	800	6240	1070
Specific Conductance	770	600	820	6080	1030
Specific Conductance	770	590	810	6150	1020
Mean	780	593	810	6157	1040
Lab: Specific Conductance	842	660	875	6420	1132
Specific Conductance	698	653	864	6420	1123
Specific Conductance	840	652	864	6370	1124
Specific Conductance	768	652	859	6430	1070
Mean	787	654	866	6410	1112

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
Entek Lab Identification No.:					
Metals	06-09599	06-09238	06-09470	06-09486	06-09502
pH/Conductivity	06-09587	06-09226	06-09458	06-09474	06-09490
pH/Conductivity	06-09588	06-09227	06-09459	06-09475	06-09491
pH/Conductivity	06-09589	06-09228	06-09460	06-09476	06-09492
pH/Conductivity	06-09590	06-09229	06-09461	06-09477	06-09493
Chloride/Sulfate	06-09586	06-09225	06-09457	06-09473	06-09489

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Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
(concentrations mg/L)					
Contamination Indicators					
TOC	<1.0	1.0	2.0	<1.0	21
TOC	<1.0	<1.0	2.0	<1.0	21
TOC	<1.0	1.0	3.0	<1.0	21
TOC	<1.0	1.0	2.0	<1.0	22
Mean	<1.0	1.0	2.3	<1.0	21
TOX	0.03	0.03	0.02	0.02	0.06
TOX	0.03	0.04	0.01	0.02	0.07
TOX	0.04	0.03	0.02	0.01	0.08
TOX	0.04	0.03	0.01	0.02	0.07
Mean	0.04	0.03	0.02	0.02	0.07
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	<10.0	<10.0
2(3H)Benzothiazolone	<10.0	<10.0	48	<10.0	180
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N09R	N13A	N14	N15	N16
Entek Lab Identification No.:					
TOC	06-09607-10	06-09214-17	06-09575-78	06-09559-62	06-09538-41
TOX	06-09611-13	06-09218-21	06-09579-82	06-09563-66	06-09542-45
Volatile Organics	06-09600	06-09207	06-09568	06-09552	06-09535
Semi-Volatile Organics	06-09601	06-09208	06-09569	06-09553	06-09536

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Geismar, Louisiana

September 22, 2006
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MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
(concentrations mg/L)					
Contamination Indicators					
TOC	<1.0	<1.0	<1.0	21	1.0
TOC	<1.0	<1.0	<1.0	19	3.0
TOC	<1.0	<1.0	<1.0	18	<1.0
TOC	1.0	<1.0	<1.0	19	<1.0
Mean	<1.0	<1.0	<1.0	19	1.5
TOX	<0.01	0.03	0.04	0.06	0.02
TOX	<0.01	0.02	0.04	0.05	0.03
TOX	<0.01	0.03	0.03	0.06	0.03
TOX	<0.01	0.03	0.03	0.05	0.02
Mean	<0.01	0.03	0.04	0.06	0.03
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	<10.0	<10.0	<10.0
2(3H)Benzothiazolone	<10.0	<10.0	<10.0	<10.0	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N17	N19	N20	N21	N22
Entek Lab Identification No.:					
TOC	06-09591-94	06-09230-33	06-09462-65	06-09478-81	06-09494-97
TOX	06-09595-98	06-09234-37	06-09466-69	06-09482-85	06-09498-501
Volatile Organics	06-09584	06-09223	06-09455	06-09471	06-09487
Semi-Volatile Organics	06-09585	06-09224	06-09456	06-09472	06-09488

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Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

SAMPLE DATE:	08/15/06	08/16/06	08/15/06	08/15/06	08/16/06
MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	RN-06D
(concentrations mg/L)					
Drinking Water Suitability					
Barium	<0.01	<0.01	<0.01	0.03	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ground Water Quality					
Iron	1.13	0.68	1.62	0.16	1.05
Manganese	6.92	1.81	2.16	1.73	1.81
Chloride	1800	586	524	1292	650
Sodium	668	516	414	691	534
Sulfate	1079	400	782	204	440
Contamination Indicators					
Field: pH Units	6.47	7.11	6.67	7.08	--
pH Units	6.47	7.11	6.75	7.00	--
pH Units	6.49	7.13	6.80	7.00	--
Mean	6.48	7.12	6.74	7.03	NA
Lab: pH Units	6.4	6.8	6.8	6.9	6.9
pH Units	6.4	6.8	6.8	6.9	6.9
pH Units	6.4	6.8	6.8	6.9	6.9
pH Units	6.4	6.8	6.8	6.9	6.9
Mean	6.4	6.8	6.8	6.9	6.9
Field: Specific Conductance	6960	3680	3020	5410	--
Specific Conductance	6810	3500	3190	5370	--
Specific Conductance	6350	3370	3050	5800	--
Mean	6707	3517	3087	5527	NA
Lab: Specific Conductance	6820	3410	3170	4810	3510
Specific Conductance	6830	3410	3190	4830	3590
Specific Conductance	6810	3380	3170	4980	3530
Specific Conductance	6830	3380	3200	4820	3520
Mean	6823	3395	3183	4860	3538

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	RN-06D
Entek Lab Identification No.:					
Metals	06-09206	06-09518	06-09270	06-09190	06-09534
pH/Conductivity	06-09194	06-09506	06-09258	06-09178	06-09522
pH/Conductivity	06-09195	06-09507	06-09259	06-09179	06-09523
pH/Conductivity	06-09196	06-09508	06-09260	06-09180	06-09524
pH/Conductivity	06-09197	06-09509	06-09261	06-09181	06-09525
Chloride/Sulfate	06-09193	06-09505	06-09257	06-09177	06-09521

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Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	RN-06D
(concentrations mg/L)					
Contamination Indicators					
TOC	16	10	14	5.0	10
TOC	16	9.0	14	6.0	11
TOC	16	12	14	7.0	12
TOC	15	10	14	5.0	11
Mean	16	10	14	5.8	11
TOX	0.05	0.08	0.04	0.01	0.07
TOX	0.04	0.08	0.03	0.01	0.08
TOX	0.05	0.08	0.04	0.01	0.07
TOX	0.05	0.07	0.04	0.02	0.06
Mean	0.05	0.08	0.04	0.01	0.07
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0	<10.0	<10.0
Benzothiazole	<10.0	<10.0	15	<10.0	<10.0
2(3H)Benzothiazolone	22	192	710	<10.0	220
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	13	<10.0	<10.0	14
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	N23	RN06	RN07	RN08	RN-06D
Entek Lab Identification No.:					
TOC	06-09198-201	06-09510-13	06-09262-65	06-09182-85	06-09526-29
TOX	06-09202-05	06-09514-17	06-06266-69	06-09186-89	06-09530-33
Volatile Organics	06-09191	06-09503	06-09255	06-09175	06-09519
Semi-Volatile Organics	06-09192	06-09504	06-09256	06-09176	06-09520

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Geismar, Louisiana

September 22, 2006
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MONITORING WELL ANALYSES DATA

SAMPLE DATE:	08/15/06	08/17/06
MONITORING WELL NUMBER:	FDS	Field Blank
(concentrations mg/L)		
Drinking Water Suitability		
Barium	0.07	<0.01
Mercury	<0.0002	<0.0002
Ground Water Quality		
Iron	0.59	<0.01
Manganese	0.48	<0.01
Chloride	490	<1.0
Sodium	212	0.24
Sulfate	356	<2.5
Contamination Indicators		
Field: pH Units	6.8	--
pH Units	--	--
pH Units	--	--
Mean	6.8	NA
Lab: pH Units	6.8	7.4
pH Units	6.8	7.4
pH Units	6.8	7.4
pH Units	6.8	7.4
Mean	6.8	7.4
Field: Specific Conductance	2580	--
Specific Conductance	--	--
Specific Conductance	--	--
Mean	2580	NA
Lab: Specific Conductance	2650	3
Specific Conductance	2640	2
Specific Conductance	2630	2
Specific Conductance	2630	2
Mean	2640	2

MONITORING WELL NUMBER:	FDS	Field Blank
Entek Lab Identification No.:		
Metals	06-09254	06-09631
pH/Conductivity	06-09242	06-09619
pH/Conductivity	06-09243	06-09620
pH/Conductivity	06-09244	06-09621
pH/Conductivity	06-09245	06-09622
Chloride/Sulfate	06-09241	06-09618

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September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FDS	Field Blank	Trip Blank 08/15/06	Trip Blank 08/16/06	Trip Blank 08/17/06
(concentrations mg/L)					
Contamination Indicators					
TOC	6.0	<1.0	--	--	--
TOC	5.0	<1.0	--	--	--
TOC	4.0	<1.0	--	--	--
TOC	4.0	<1.0	--	--	--
Mean	4.8	<1.0	NA	NA	NA
TOX	<0.01	<0.01	--	--	--
TOX	<0.01	<0.01	--	--	--
TOX	<0.01	<0.01	--	--	--
TOX	<0.01	<0.01	--	--	--
Mean	<0.01	<0.01	NA	NA	NA
(concentrations ug/L)					
Priority Pollutant Organics					
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	--	--	--
Benzothiazole	<10.0	<10.0	--	--	--
2(3H)Benzothiazolone	<10.0	<10.0	--	--	--
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	--	--	--
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	FDS	Field Blank	Trip Blank 08/15/06	Trip Blank 08/16/06	Trip Blank 08/17/06
Entek Lab Identification No.:					
TOC	06-09246-49	06-09623-26	NA	NA	NA
TOX	06-06250-53	06-09627-30	NA	NA	NA
Volatile Organics	06-09239	06-09616	06-09174	06-09454	06-09551
Semi-Volatile Organics	06-09240	06-09617	NA	NA	NA

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Louisiana Environmental Laboratory
LELAP
02039
Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Lab Blank		LCS QC (observed/true)
(concentrations mg/L)			
Drinking Water Suitability			
Barium	<0.010		1.03 /1.00
Mercury	<0.0002		0.0024 /0.0025
Ground Water Quality			
Iron	<0.01		1.04 /1.00
Manganese	<0.010		1.05 /1.00
Chloride	<1.0		950 /1000
Sodium	<0.010		1.99 /2.00
Sulfate	<2.5		990 /1000
Contamination Indicators			
Lab: pH Units	NA		6.0 /6.0
pH Units	NA		6.0 /6.0
Lab: Specific Conductance	NA		1413 /1412
Specific Conductance	NA		1412 /1412
Specific Conductance	NA		1415 /1412
(concentrations mg/L)			
Contamination Indicators			
TOC	<1.0		20 /20
TOX	<0.01		3.8 /4.0
(concentrations ug/L)			
Priority Pollutant Organics			
Benzene	<5.0		52 /50
Benzenethiol	<10.0		-- /--
Benzothiazole	<10.0		66 /100
2(3H)Benzothiazolone	<10.0		117 /100
1,1-Dichloroethane	<5.0		50 /50
1,2-Dichloroethane	<5.0		54 /50
1,1-Dichloroethene	<5.0		49 /50
Methylene Chloride	<5.0		47 /50
N-nitrosodiphenylamine	<10.0		66 /100
Toluene	<5.0		51 /50

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Spike RN-06D Amt/Rec	Spike N-19 Amt/Rec	Spike RN-07 Amt/Rec	Spike N-17 Amt/Rec	
(concentrations mg/L) **Drinking Water Suitability**					
Barium		5µg/91%			
Mercury		0.1µg/112%			
Ground Water Quality					
Iron		5µg/94%			
Manganese		5µg/90%			
Chloride		5µg/97%			
Sodium	4µg/97%				
Sulfate		5µg/90%			
(concentrations mg/L) **Contamination Indicators**					
TOC			2µg/99%		
TOX				2µg/105%	
	Spike N-19 Amt/Rec	Spike N-17 Amt/Rec			
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene		0.25µg/110%			
Benzothiazole	100µg/97%				
2(3H)-Benzothiazolone	100µg/143%				
1,1-Dichloroethane		0.25µg/105%			
1,2-Dichloroethane		0.25µg/107%			
1,1-Dichloroethene		0.25µg/100%			
Methylene Chloride		0.25µg/97%			
N-nitrosodipropylamine	100µg/73%				
Toluene		0.25µg/112%			

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September 22, 2006
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MONITORING WELL ANALYSES DATA
QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	% Limits	N09R	N-13A	N14	N15
Dibromofluoromethane	86-118	106	108	105	105
1,2-Dichloroethane-d4	80-120	102	105	108	103
Toluene-d8	88-110	100	102	102	101
Bromofluorobenzene	86-115	109	112	111	110
2-Fluorophenol	21-100	30	41	37	36
Phenol-d6	10- 94	20	31	25	24
Nitrobenzene-d5	35-114	35	40	42	41
2-Fluorobiphenyl	35-116	40	50	49	45
2,4,6-Tribromophenol	10-123	87	99	101	91
Terphenyl-d14	33-141	56	96	70	70

MONITORING WELL NUMBER: (Percent Recovery)	N16	N17	N19	N20	N21
Dibromofluoromethane	105	103	103	103	103
1,2-Dichloroethane-d4	104	102	109	99	103
Toluene-d8	96	102	102	101	101
Bromofluorobenzene	110	112	109	111	109
2-Fluorophenol	11*	36	30	38	27
Phenol-d6	8*	25	21	26	24
Nitrobenzene-d5	25*	44	44	46	45
2-Fluorobiphenyl	44	48	48	48	49
2,4,6-Tribromophenol	46	105	87	106	60
Terphenyl-d14	75	65	69	80	79

* No Surrogate Recovery or poor Surrogate Recovery due to matrix interference.

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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	N22	N23	RN06	RN07	RN08
Dibromofluoromethane	103	106	100	102	102
1,2-Dichloroethane-d4	105	107	99	100	100
Toluene-d8	100	99	100	91	91
Bromofluorobenzene	107	112	108	112	115
2-Fluorophenol	35	5*	19*	26	7*
Phenol-d6	23	4*	14	20	6*
Nitrobenzene-d5	45	42	45	41	25*
2-Fluorobiphenyl	50	46	53	47	32*
2,4,6-Tribromophenol	91	13	76	81	25
Terphenyl-d14	77	78	89	84	69

MONITORING WELL NUMBER: (Percent Recovery)	FDS	Field Blank	RN06D	N17 Spike	% Limits
Dibromofluoromethane	106	103	106	101	86-118
1,2-Dichloroethane-d4	101	102	107	100	80-120
Toluene-d8	97	102	91	101	88-110
Bromofluorobenzene	113	111	115	96	86-115
2-Fluorophenol	31	33	20	NA	21-100
Phenol-d6	20	21	16	NA	10- 94
Nitrobenzene-d5	37	41	42	NA	35-114
2-Fluorobiphenyl	43	51	52	NA	35-116
2,4,6-Tribromophenol	82	100	77	NA	10-123
Terphenyl-d14	78	77	94	NA	33-141

* Surrogate recovery poor due to matrix interference.

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September 22, 2006
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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	N19 Spike	Trip Blank 08/15/06	Trip Blank 08/16/06	Trip Blank 08/17/06	
Dibromofluoromethane	NA	102	107	106	
1,2-Dichloroethane-d4	NA	97	105	102	
Toluene-d8	NA	103	102	102	
Bromofluorobenzene	NA	110	110	110	
2-Fluorophenol	44	NA	NA	NA	
Phenol-d6	35	NA	NA	NA	
Nitrobenzene-d5	50	NA	NA	NA	
2-Fluorobiphenyl	52	NA	NA	NA	
2,4,6-Tribromophenol	91	NA	NA	NA	
Terphenyl-d14	74	NA	NA	NA	

MONITORING WELL NUMBER: (Percent Recovery)	Lab Blank 1 08/22/06	Lab Blank 2 08/23/06	Lab Blank 3 08/16/06		% Limits
Dibromofluoromethane	104	104	NA		86-118
1,2-Dichloroethane-d4	98	100	NA		80-120
Toluene-d8	103	102	NA		88-110
Bromofluorobenzene	111	109	NA		86-115
2-Fluorophenol	NA	NA	34		21-100
Phenol-d6	NA	NA	22		10- 94
Nitrobenzene-d5	NA	NA	37		35-114
2-Fluorobiphenyl	NA	NA	45		43-116
2,4,6-Tribromophenol	NA	NA	85		10-123
Terphenyl-d14	NA	NA	89		33-141

NA - Not applicable
ND - Not Detected

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Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

QUALITY CONTROL DATA
SAMPLES: RN-08, N-23, N-13A, N-19, RN-07, FDS & Trip Blank
SAMPLE DATE: 08/15/06
ANALYZED/METHODS DATA

Drinking Water Suitability	DTA Start	DTA Finish	Method of Analyses
Barium	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Mercury	08/25/06/1000/CEM	08/25/06/1450/CEM	SW846 7470A
Ground Water Quality			
Iron	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Manganese	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Chloride	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9252
Sodium	08/28/06/1000/CEM	08/28/06/1130/CEM	SW846, 7770
Sulfate	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9038
Contamination Indicators			
pH Units	08/15/06/1750/LNA	08/15/06/1845/LNA	SW846 9040B
Specific Conductance	08/15/06/1750/LNA	08/15/06/1845/LNA	SW846 9050A
Contamination Indicators			
TOC	08/18/06/0800/SSP	08/18/06/1620/SSP	SW846, 9060A
TOX	08/24/06/0830/SLS	08/24/06/1300/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	08/22/06/JDS	08/23/06/JDS	SW846, 8260B
Semivolatile Organics	08/23/06/JDS	08/31/06/JDS	SW846, 8270C
Extractions	08/16/06/DR	08/21/06/DR	SW846, 3510C

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Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

QUALITY CONTROL DATA
SAMPLES: N-20, N-21, N-22, RN-06, RN-06D, N-16 & Trip Blank
SAMPLE DATE: 08/16/06
ANALYZED/METHODS DATA

Drinking Water Suitability	DTA Start	DTA Finish	Method of Analyses
Barium	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Mercury	08/25/06/1000/CEM	08/25/06/1450/CEM	SW846 7470A
Ground Water Quality			
Iron	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Manganese	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Chloride	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9252
Sodium	08/28/06/1000/CEM	08/28/06/1130/CEM	SW846, 7770
Sulfate	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9038
Contamination Indicators			
pH Units	08/16/06/1730/LNA	08/16/06/1830/LNA	SW846 9040B
Specific Conductance	08/16/06/1730/LNA	08/16/06/1830/LNA	SW846 9050A
Contamination Indicators			
TOC	08/18/06/0800/SSP	08/18/06/1620/SSP	SW846, 9060A
TOX	08/24/06/0830/SLS	08/24/06/1300/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	08/22/06/JDS	08/23/06/JDS	SW846, 8260B
Semivolatile Organics	08/23/06/JDS	08/31/06/JDS	SW846, 8270C
Extractions	08/16/06/DR	08/21/06/DR	SW846, 3510C

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Chemtura USA Corp.
Geismar, Louisiana

September 22, 2006
Project No.: LD6-1389

QUALITY CONTROL DATA
SAMPLES: N-15, N-14, N-17, N-09R, Field Blank & Trip Blank
SAMPLE DATE: 08/17/06
ANALYZED/METHODS DATA

Drinking Water Suitability	DTA Start	DTA Finish	Method of Analyses
Barium			SW846 6010B
Mercury	08/25/06/1000/CEM	08/25/06/1450/CEM	SW846 7470A
Ground Water Quality			
Iron	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Manganese	08/25/06/1642/CEM	08/25/06/1727/CEM	SW846 6010B
Chloride	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9252
Sodium	08/28/06/1000/CEM	08/28/06/1130/CEM	SW846, 7770
Sulfate	08/17/06/1030/CEM	08/24/06/1620/CEM/WL	SW846 9038
Contamination Indicators			
pH Units	08/17/06/1700/LNA	08/17/06/1745/LNA	SW846 9040B
Specific Conductance	08/17/06/1700/LNA	08/17/06/1745/LNA	SW846 9050A
Contamination Indicators			
TOC	08/18/06/0800/SSP	08/18/06/1620/SSP	SW846, 9060A
TOX	08/24/06/0830/SLS	08/24/06/1300/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	08/22/06/JDS	08/23/06/JDS	SW846, 8260B
Semivolatile Organics	08/23/06/JDS	08/31/06/JDS	SW846, 8270C
Extractions	08/17/06/DR	08/21/06/DR	SW846, 3510C

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Baton Rouge, LA 70884-3412

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PHONE: (225) 752-2900
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Email: entcklabs@att.net

COPY

Invoice Date: 09/26/06
Invoice No: LD6-1389
Sample Rec'd: 08/15-08/17/06

CHEMTURA CORPORATION
Attn: Accounts Payable for Geismar
199 BENSON ROAD
MIDDLEBURY, CT 06749

P.O. No: 4500648915
Notice: Report Mailed To:
STEVE KRUL
(Monitoring Wells / 3rd Qtr)
Chemtura's Geismar Facility

OFFICE USE ONLY: WL/LA: 476.00 WL/CEM: 396.00 SSP: 690.00 MT: 990.00 OL: 5850.00 OL/SLS: 1380.00 OV: 130.00

QUANTITY ORDERED	ANALYSES DESCRIPTION	UNIT PRICE	AMOUNT
21	VOLATILE ORGANICS	90.00	1,890.00
18	SEMI-VOLATILE ORGANICS	220.00	3,960.00
18	GROUND WATER QUALITY (Fe, Mn, Hg, Ba, SO4, Na, Cl)	77.00	1,386.00
17	TOC (FOUR REPLICATES)	40.00	680.00
1	TOC (SPIKE)	10.00	10.00
17	TOX (FOUR REPLICATES)	80.00	1,360.00
1	TOX (SPIKE)	20.00	20.00
17	pH, SPECIFIC CONDUCTANCE (FOUR REPLICATES)	28.00	476.00
1	DEQ REPORT PREPARATION	50.00	50.00
1	STATISTICAL ANALYSES TRACKING	80.00	80.00
		SUB-TOTAL	9,912.00
		TOTAL AMOUNT DUE	$9,912.00

TERMS: NET 30 DAYS UPON RECEIPT

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1.5% Interest per month will be applied to delinquent accounts.

URS Corporation **Memorandum**

To: Mr. Steve Krul
Environmental Engineer
Chemtura USA Corporation

From: Ying Qualls

Office: Baton Rouge

Date: August 28, 2006

Subject: Groundwater Collection Reports, Chains-of-Custody, and water level readings for piezometers
Year 2006 Third Quarter Groundwater Sampling Event
URS Project No. 19227774.00003

Enclosed please find the Groundwater Collection Reports and Chain-of-Custody forms for the Year 2006 Third Quarter Groundwater Sampling Event. The water levels for the piezometers were also measured during the sampling event and the results are listed below:

Piezometer	Top of Casing to Water Level (feet)	Top of Casing to Bottom of Well (feet)
P1	19.40	32.01
P2	19.42	26.48
P3	9.17	19.79
P4	8.26	19.55
P5	11.34	19.58

Should you need additional information please do not hesitate to call me at (225) 922-5760. Thank you.

cc: Maryann Stevens, ENTEK

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URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RN-06 & RN-06D
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/16/06 1410 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.43' TOP OF CASING TO BOTTOM 20.31'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED 7.8
FINAL DEPTH TO WATER 6.20' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/16/06 1430 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.20'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	28.2	7.11	3.68
FIELD REPLICATE #2	26.8	7.11	3.50
FIELD REPLICATE #3	26.5	7.13	3.37
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RN-06 & RN-06D

SAMPLING PERSONNEL _____ TIME 1410 TO 1430
(SIGNED)

DATE 08/16/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RN-07
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 1435 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.18' TOP OF CASING TO BOTTOM 17.76'
GALLONS PER WELL VOLUME 2.2 TOTAL GALLONS EVACUATED ~ 6.7
FINAL DEPTH TO WATER 5.01' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1450 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.01'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	33.1	6.67	3.02
FIELD REPLICATE #2	29.0	6.75	3.19
FIELD REPLICATE #3	29.8	6.80	3.05
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RN-07

SAMPLING PERSONNEL TIME 1435 TO 1450

(SIGNED) DATE 08/15/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RN-08
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 0940 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.63' TOP OF CASING TO BOTTOM 17.88'
GALLONS PER WELL VOLUME 2.3 TOTAL GALLONS EVACUATED 6.9
FINAL DEPTH TO WATER 6.23 ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1006 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.23

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	27.6	7.08	5.41
FIELD REPLICATE #2	26.6	7.00	5.37
FIELD REPLICATE #3	27.4	7.06	5.80
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RN-08

SAMPLING PERSONNEL TIME 0940 TO 1000

Ted Soileau DATE 08/15/06
(SIGNED)

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-09R
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/17/06 1410 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.47' TOP OF CASING TO BOTTOM 19.93'
GALLONS PER WELL VOLUME 2.7 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER Dry ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/17/06 1448 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL Dry

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 31.3	pH 7.35	CONDUCTIVITY 0.67
FIELD REPLICATE #2	TEMP. 30.9	pH 7.37	CONDUCTIVITY 0.66
FIELD REPLICATE #3	TEMP. 30.5	pH 7.35	CONDUCTIVITY 0.66
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS _____
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS Went Dry after 2 field replicates.

SAMPLE ID NUMBERS N-09R

SAMPLING PERSONNEL TIME 1410 TO 1448

(SIGNED) DATE 08/17/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-13A
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 1215 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.45' TOP OF CASING TO BOTTOM 20.44'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 10.55' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1235 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 10.55'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 32.7	pH 7.11	CONDUCTIVITY 1.39
FIELD REPLICATE #2	TEMP. 29.9	pH 7.06	CONDUCTIVITY 1.58
FIELD REPLICATE #3	TEMP. 29.9	pH 7.12	CONDUCTIVITY 1.54
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Slightly Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-13A

SAMPLING PERSONNEL TIME 1215 TO 1235

(SIGNED) DATE 08/15/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-14
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/17/06 1030 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.86' TOP OF CASING TO BOTTOM 23.08'
GALLONS PER WELL VOLUME 2.8 TOTAL GALLONS EVACUATED ~8.5
FINAL DEPTH TO WATER 12.70' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/17/06 1050 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 12.70'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	26.2	7.52	1.31
FIELD REPLICATE #2	28.6	7.33	1.26
FIELD REPLICATE #3	28.9	7.36	1.24
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH; (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-14

SAMPLING PERSONNEL TIME 1030 TO 1050

(SIGNED) DATE 08/17/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-15
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/17/06 0900 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 7.30' TOP OF CASING TO BOTTOM 92.84'
GALLONS PER WELL VOLUME 14.0 TOTAL GALLONS EVACUATED 42
FINAL DEPTH TO WATER 24.41' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/17/06 1010 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 24.41'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 25.7	pH 7.52	CONDUCTIVITY 0.88
FIELD REPLICATE #2	TEMP. 25.9	pH 7.53	CONDUCTIVITY 0.81
FIELD REPLICATE #3	TEMP. 25.9	pH 7.52	CONDUCTIVITY 0.85
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-15

SAMPLING PERSONNEL TIME 0900 TO 1010

(SIGNED) DATE 08/17/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION:Crompton,Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-16
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/16/06 1510 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.59 TOP OF CASING TO BOTTOM 22.85'
GALLONS PER WELL VOLUME 3.0 TOTAL GALLONS EVACUATED 9.0
FINAL DEPTH TO WATER 17.58 ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/16/06 1530 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 17.58

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	26.9	6.73	6.11
FIELD REPLICATE #2	25.6	6.68	6.51
FIELD REPLICATE #3	26.3	6.69	6.50
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-16

SAMPLING PERSONNEL TIME 1510 TO 1530

(SIGNED) DATE 08/16/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-17
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/17/06 1235 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 7.10' TOP OF CASING TO BOTTOM 74.05'
GALLONS PER WELL VOLUME 11.0 TOTAL GALLONS EVACUATED 33
FINAL DEPTH TO WATER 7.0' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/17/06 1320 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 7.0'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	25.2	7.43	0.80
FIELD REPLICATE #2	27.4	7.54	0.77
FIELD REPLICATE #3	27.1	7.49	0.77
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-17

SAMPLING PERSONNEL TIME 1235 TO 1320

(SIGNED) DATE 08/17/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-19
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 1300 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.36' TOP OF CASING TO BOTTOM 22.55'
GALLONS PER WELL VOLUME 3.0 TOTAL GALLONS EVACUATED ~9.0
FINAL DEPTH TO WATER 6.15' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1320 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.15'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 31.7	pH 7.09	CONDUCTIVITY 0.59
FIELD REPLICATE #2	TEMP. 30.5	pH 7.30	CONDUCTIVITY 0.60
FIELD REPLICATE #3	TEMP. 29.9	pH 7.31	CONDUCTIVITY 0.59
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Slightly cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-19

SAMPLING PERSONNEL TIME 1300 TO 1320

(SIGNED) DATE 08/15/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-20
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/16/06 0825 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 8.14' TOP OF CASING TO BOTTOM 94.21'
GALLONS PER WELL VOLUME 14.0 TOTAL GALLONS EVACUATED 42
FINAL DEPTH TO WATER 16.35' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/16/06 0925 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 16.35'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	26.7	7.41	0.80
FIELD REPLICATE #2	26.6	7.37	0.82
FIELD REPLICATE #3	27.0	7.44	0.81
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, ~82°
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-20

SAMPLING PERSONNEL TIME 0825 TO 0925

(SIGNED) DATE 08/16/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-21
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/16/06 1240 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.16' TOP OF CASING TO BOTTOM 24.82'
GALLONS PER WELL VOLUME 3.5 TOTAL GALLONS EVACUATED 10.5
FINAL DEPTH TO WATER 4.6' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/16/06 1300 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 4.6'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	29.5	6.80	6.24
FIELD REPLICATE #2	28.5	6.82	6.08
FIELD REPLICATE #3	27.2	6.80	6.15
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Hot
SAMPLING CHARACTERISTICS Slightly cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-21

SAMPLING PERSONNEL TIME 1240 TO 1300

(SIGNED) DATE 08/16/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-22
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/16/06 1325 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 11.70' TOP OF CASING TO BOTTOM 20.13'
GALLONS PER WELL VOLUME 1.4 TOTAL GALLONS EVACUATED 4.1
FINAL DEPTH TO WATER 17.16' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/16/06 1338 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 17.16'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	29.2	7.13	1.07
FIELD REPLICATE #2	28.4	7.18	1.03
FIELD REPLICATE #3	26.7	7.18	1.02
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Hot
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-22

SAMPLING PERSONNEL TIME 1325 TO 1338

(SIGNED) DATE 08/16/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-23
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 1135 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.49' TOP OF CASING TO BOTTOM 19.24'
GALLONS PER WELL VOLUME 2.4 TOTAL GALLONS EVACUATED 7.2
FINAL DEPTH TO WATER 6.05' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1150 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.05'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	29.8	6.47	6.96
FIELD REPLICATE #2	29.1	6.47	6.81
FIELD REPLICATE #3	29.0	6.49	6.35
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-23

SAMPLING PERSONNEL TIME 1135 TO 1150

(SIGNED) DATE 08/15/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-3 2006 3rd Quarter Groundwater Sampling LOCATION: Crompton, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. FDS
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 08/15/06 1400 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL — TOP OF CASING TO BOTTOM —
GALLONS PER WELL VOLUME — TOTAL GALLONS EVACUATED —
FINAL DEPTH TO WATER — ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 08/15/06 1405 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL —

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	32.0	6.80	2.58
FIELD REPLICATE #2	—	—	—
FIELD REPLICATE #3	—	—	—
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Hot
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS FDS

SAMPLING PERSONNEL TIME 1400 TO 1405

(SIGNED) DATE 08/15/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

Chain of Custody and Analysis Request

URS Project No.: 19227774.00003
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
8-15-06	TRIP BLANK	BW	2	2												
8-15-06/1000	RW-08	GW	18	2	2	1	4	4	4	1						
8-15-06/1150	N-23	GW	18	2	2	1	4	4	4	1						
8-15-06/1235	N-13A	GW	18	2	2	1	4	4	4	1						
8-15-06/1320	N-19	GW	18	2	2	1	4	4	4	1						
8-15-06/1405	FDS	GW	18	2	2	1	4	4	4	1						
8-15-06/1450	RW-07	GW	18	2	2	1	4	4	4	1						

Methods

8-15-06

8-15-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	8-15-06 1555
Received By:	Jackie Valentine Entek Labs	08/15/06 1555
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name ENTEK, 14285 Airline Hwy.
Laboratory Addr Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

8/11/2006 10:48 AM Copy of COC.XLS

URS Corporation

Chain of Custody and Analysis Request

URS Project No.:19227774.00003
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)				Remarks
8-16-06	Trip Blank	BW	2	2											
8-16-06/0925	N-20	GW	18	2	2	1	4	4	4	1					
8-16-06/1300	N-21	GW	18	2	2	1	4	4	4	1					
8-16-06/1338	N-22	GW	18	2	2	1	4	4	4	1					
8-16-06/1430	RN-06	GW	18	2	2	1	4	4	4	1					
8-16-06/1440	RN-06D	GW	18	2	2	1	4	4	4	1					
8-16-06/1530	N-16	GW	18	2	2	1	4	4	4	1					

8-16-06

8-16-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	8-16-06/1622
Received By:	Jackie Oxley Entek	8/16/06/1622
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name ENTEK, 14285 Airline Hwy.
Laboratory Addr Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

Chain of Custody and Analysis Request

Page 1 of 1

URS Project No.:19227774.00003	Project Name: Crompton Quarterly Groundwater Sampling
Project Location:	Geismar, Louisiana
Sampler Team Leader:	B. Muller / T. Soileau
Company Name:	URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
8-17-06	Trip Blank	BW	2	2												
8-17-06/1010	N-15	GW	18	2	2	1	4	4	4	1						
8-17-06/1050	N-14	GW	18	2	2	1	4	4	4	1						
8-17-06/1320	N-17	GW	18	2	2	1	4	4	4	1						
8-17-06/1345	Field Blank	BW	18	2	2	1	4	4	4	1						
8-17-06/1448	N-09R	GW	18	2	2	1	4	4	4	1						

8-17-06

8-17-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	[signature] URS	8-17-06/1532
Received By:	Jackie Valdez	08/17/06/1532
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:

Airbill No.:

Laboratory Name ENTEK, 14285 Airline Hwy.

Laborabory Addr Baton Rouge, LA 70817 225-752-2900

Custody Seals Present? Yes No

Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

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LD6UNK1004

URS Corporation

Chain of Custody and Analysis Request

Page 1 of 1

URS Project No.: 19227774.00003	Project Name: Crompton Quarterly Groundwater Sampling
Project Location:	Geismar, Louisiana
Sampler Team Leader:	B. Muller / T. Soileau
Company Name:	URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
8-15-06	Trip Blank	BW	2	2												
8-15-06/1000	RN-08	GW	18	2	2	1	4	4	4	1						
8-15-06/1150	N-23	GW	18	2	2	1	4	4	4	1						
8-15-06/1235	N-13A	GW	18	2	2	1	4	4	4	1						
8-15-06/1320	N-19	GW	18	2	2	1	4	4	4	1						
8-15-06/1405	FDS	GW	18	2	2	1	4	4	4	1						
8-15-06/1450	RN-07	GW	18	2	2	1	4	4	4	1						

8-15-06

8-15-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	[signature] URS	8-15-06 1555
Received By:	Jackie Valery Entek Lales	08/15/06 1555
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:

Airbill No.:

Laboratory Name ENTEK, 14285 Airline Hwy.

Laboratory Addr Baton Rouge, LA 70817 225-752-2900

Custody Seals Present? Yes No

Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

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LDQUNK1584-A

URS Corporation

Chain of Custody and Analysis Request

URS Project No.:19227774.00003
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
8-16-06	Trip Blank	BW	2	2												
8-16-06/0925	N-20	GW	18	2	2	1	4	4	4	1						
8-16-06/1300	N-21	GW	18	2	2	1	4	4	4	1						
8-16-06/1338	N-22	GW	18	2	2	1	4	4	4	1						
8-16-06/1430	RN-06	GW	18	2	2	1	4	4	4	1						
8-16-06/1440	RN-06D	GW	18	2	2	1	4	4	4	1						
8-16-06/1530	N-16	GW	18	2	2	1	4	4	4	1						

8-16-06

8-16-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	8-16-06/1622
Received By:	Jackie Oddy Entek	8/16/06/1622
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

LDQUNR1389-B

Chain of Custody and Analysis Request

Page 1 of 1

URS Project No.: 19227774.00003

Project Name: Crompton Quarterly Groundwater Sampling

Project Location: Geismar, Louisiana

Sampler Team Leader: B. Muller / T. Soileau

Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatites/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
				Methods												
8-17-06	Trip Blank	BW	2	2												
8-17-06/1010	N-15	GW	18	2	2	1	4	4	4	1						
8-17-06/1050	N-14	GW	18	2	2	1	4	4	4	1						
8-17-06/1320	N-17	GW	18	2	2	1	4	4	4	1						
8-17-06/1345	Field Blank	BW	18	2	2	1	4	4	4	1						
8-17-06/1448	N-09R	GW	18	2	2	1	4	4	4	1						

8-17-06

8-17-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	8-17-06/1532
Received By:	Jackie Jackson	08/17/06/1532
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:

Airbill No.:

Laboratory Name: ENTEK, 14285 Airline Hwy.

Laboratory Addr: Baton Rouge, LA 70817 225-752-2900

Custody Seals Present? Yes No

Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

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Louisiana Environmental Laboratory
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FOURTH QUARTER 2006
MONITORING WELL SAMPLES
SAMPLES RECEIVED: 11/13-11/14/06

FOR

CHEMTURA USA CORPORATION
POST OFFICE BOX 397
GEISMAR, LOUISIANA 70734

ATTENTION: MICAH CROCHET

DECEMBER 22, 2006
PROJECT NO.: LD6-1923

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Louisiana Environmental Laboratory
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Accredation Program

Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

Ten monitoring well samples with a duplicate, field blank and trip blanks were collected by URS Corporation and delivered to our lab on November 13 through November 14, 2006.

These samples were analyzed for parameters as specified in accordance with methods in the U.S. EPA "Test Methods for Evaluating Solid Waste Physical/Chemical Methods SW846, 3rd Edition, 1992". The results are listed on the attached pages.

Entek is pleased to have had the opportunity to provide analytical services for parameters as requested. Please do not hesitate to contact our office if you have any questions or require additional information concerning this report.

This information has been reviewed by:

Sayi Malineni
QA Coordinator

Sham L. Sachdev, Ph.D., CHCM
Laboratory Director

ms

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Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

	11/13/06	11/13/06	11/14/06	11/13/06	
MONITORING WELL NUMBER:	N21	RN08	N14	N16	
(concentrations mg/L)					
Drinking Water Suitability					
Barium	0.02	0.05	0.12	<0.01	
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	
Ground Water Quality					
Iron	0.10	1.1	<0.01	1.2	
Manganese	1.1	1.6	<0.01	5.9	
Chloride	1,676	1,600	150	1,700	
Sodium	1055	915	400	830	
Sulfate	615	200	220	1,200	
Contamination Indicators					
Field: pH Units	6.89	7.17	7.43	6.59	
pH Units	6.78	7.16	7.40	6.54	
pH Units	6.92	7.23	7.21	6.53	
Mean	6.86	7.19	7.35	6.55	
Lab: pH Units	7.1	7.1	7.2	6.7	
pH Units	6.9	7.1	7.1	7.0	
pH Units	7.0	7.0	7.2	6.7	
pH Units	6.9	7.1	7.2	6.7	
Mean	7.0	7.1	7.2	6.8	
Field: Specific Conductance	6,230	5,640	1,250	6,360	
Specific Conductance	6,120	4,710	1,360	6,570	
Specific Conductance	6,230	4,900	1,370	6,600	
Mean	6,193	5,083	1,327	6,510	
Lab: Specific Conductance	6,420	4,830	1,450	6,790	
Specific Conductance	6,420	4,660	1,441	6,780	
Specific Conductance	6,420	5,300	1,451	6,750	
Specific Conductance	6,420	5,010	1,444	6,800	
Mean	6,420	4,950	1,447	6,780	

MONITORING WELL NUMBER:	N21	RN08	N14	N16	
Entek Lab Identification No.:					
Metals	06-13193	06-13225	06-13395	06-13241	
pH/Conductivity	06-13181	06-13213	05-13261-A	06-13229	
pH/Conductivity	06-13182	06-13214	05-13261-B	06-13230	
pH/Conductivity	06-13183	06-13215	05-13261-C	06-13231	
pH/Conductivity	06-13184	06-13216	05-13261-D	06-13232	
Chloride/Sulfate	06-13180	06-13212	05-13260	06-13228	

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Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

	11/14/06	11/14/06	11/13/06
MONITORING WELL NUMBER:	RN06	RN07	N13-A
(concentrations mg/L)			
Drinking Water Suitability			
Barium	<0.01	0.01	0.08
Mercury	<0.0002	<0.0002	<0.0002
Ground Water Quality			
Iron	0.43	1.10	0.13
Manganese	1.80	2.2	0.22
Chloride	750	520	360
Sodium	825	400	455
Sulfate	450	770	67
Contamination Indicators			
Field: pH Units	7.46	7.32	7.27
pH Units	7.35	7.03	7.25
pH Units	7.23	6.97	7.30
Mean	7.35	7.11	7.27
Lab: pH Units	7.0	6.8	7.2
pH Units	6.9	6.8	7.2
pH Units	7.0	6.8	7.2
pH Units	7.0	6.8	7.2
Mean	7.0	6.8	7.2
Field: Specific Conductance	3,590	3,220	1,660
Specific Conductance	3,590	3,470	1,690
Specific Conductance	3,690	3,400	1,600
Mean	3,623	3,363	1,650
Lab: Specific Conductance	3,570	3,390	1,422
Specific Conductance	3,500	3,400	1,520
Specific Conductance	3,450	3,360	1,466
Specific Conductance	3,560	3,410	1,528
Mean	3,520	3,390	1,484

MONITORING WELL NUMBER:	RN06	RN07	N13-A
Entek Lab Identification No.:			
Metals	06-13411	06-13379	06-13273
pH/Conductivity	06-13399	06-13367	06-13261
pH/Conductivity	06-13400	06-13368	06-13262
pH/Conductivity	06-13401	06-13369	06-13263
pH/Conductivity	06-13402	06-13370	06-13264
Chloride/Sulfate	06-13398	06-13366	06-13260

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Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N21	RN08	N14	N16	
(concentrations mg/L) **Contamination Indicators**					
TOC	21	4.0	3.0	21	
TOC	20	5.0	2.0	21	
TOC	23	5.0	2.0	21	
TOC	21	5.0	2.0	20	
Mean	21	4.8	1.5	21	
TOX	0.10	0.06	0.02	0.08	
TOX	0.11	0.06	0.02	0.08	
TOX	0.12	0.05	0.02	0.09	
TOX	0.06	0.08	0.01	0.09	
Mean	0.10	0.06	0.02	0.09	
(concentrations ug/L) **Priority Pollutant Organics**					
Benzene	<5.0	<5.0	<5.0	<5.0	
Benzenethiol	<10.0	<10.0	<10.0	<10.0	
Benzothiazole	<10.0	<10.0	<10.0	<10.0	
2(3H)Benzothiazolone	<10.0	<10.0	400	290	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	
N-nitrosodiphenylamine	<10.0	<10.0	<10.0	<10.0	
Toluene	<5.0	<5.0	<5.0	<5.0	

MONITORING WELL NUMBER:	N21	RN08	N14	N16	
Entek Lab Identification No.:					
TOC	06-13185-88	06-13217-20	06-13387-90	06-13233-36	
TOX	06-13189-92	06-13221-24	06-13391-94	06-13237-40	
Volatile Organics	06-13178	06-13210	06-13380	06-13226	
Semi-Volatile Organics	06-13179	06-13211	06-13381	06-13227	

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Email: enteklabs@att.net

Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	RN06	RN07	N13-A
(concentrations mg/L)			
Contamination Indicators			
TOC	12	19	<1.0
TOC	11	20	<1.0
TOC	13	19	<1.0
TOC	12	19	<1.0
Mean	12	19	<1.0
TOX	0.06	0.08	0.02
TOX	0.06	0.08	0.02
TOX	0.06	0.09	0.03
TOX	0.07	0.09	0.02
Mean	0.06	0.09	0.02
(concentrations ug/L)			
Priority Pollutant Organics			
Benzene	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	<10.0
Benzothiazole	<10.0	109	<10.0
2(3H)Benzothiazolone	228	1930	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	11	<10.0
Toluene	<5.0	<5.0	<5.0

MONITORING WELL NUMBER:	RN06	RN07	N13-A
Entek Lab Identification No.:			
TOC	06-13403-06	06-13371-4	06-13265-68
TOX	06-13407-10	06-13375-78	06-13269-72
Volatile Organics	06-13396	06-13364	06-13258
Semi-Volatile Organics	06-13397	06-13365	06-13259

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Email: enteklabs@att.net

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Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

		11/13/06
MONITORING WELL NUMBER:		FDS
(concentrations mg/L)		
Drinking Water Suitability		
	Barium	0.11
	Mercury	<0.0002
Ground Water Quality		
	Iron	1.80
	Manganese	0.25
	Chloride	222
	Sodium	440
	Sulfate	158
Contamination Indicators		
Field:	pH Units	7.12
	pH Units	---
	pH Units	---
	Mean	7.12
Lab:	pH Units	7.0
	pH Units	7.1
	pH Units	7.0
	pH Units	7.1
	Mean	7.1
Field:	Specific Conductance	1,660
	Specific Conductance	---
	Specific Conductance	---
	Mean	1,660
Lab:	Specific Conductance	1,582
	Specific Conductance	1,559
	Specific Conductance	1,580
	Specific Conductance	1,561
	Mean	1,571

MONITORING WELL NUMBER:	FDS
Entek Lab Identification No.:	
Metals	06-13209
pH/Conductivity	06-13197
pH/Conductivity	06-13198
pH/Conductivity	06-13199
pH/Conductivity	06-13200
Chloride/Sulfate	06-13196

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Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FDS
(concentrations mg/L)	
Contamination Indicators	
TOC	5.0
TOC	6.0
TOC	4.0
TOC	4.0
Mean	4.8
TOX	0.04
TOX	0.04
TOX	0.03
TOX	0.04
Mean	0.04
(concentrations ug/L)	
Priority Pollutant Organics	
Benzene	<5.0
Benzenethiol	<10.0
Benzothiazole	<10.0
2(3H)Benzothiazolone	<10.0
1,1-Dichloroethane	<5.0
1,2-Dichloroethane	<5.0
1,1-Dichloroethene	<5.0
Methylene Chloride	<5.0
N-nitrosodiphenylamine	<10.0
Toluene	<5.0

MONITORING WELL NUMBER:	FDS
Entek Lab Identification No.:	
TOC	06-13201-04
TOX	06-13205-08
Volatile Organics	06-13194
Semi-Volatile Organics	06-13195

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Louisiana Environmental Laboratory LELAP 02039 Accreditation Program

Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

	11/14/06	11/14/06	
MONITORING WELL NUMBER:	N-23	N-09R	
(concentrations mg/L)			
Drinking Water Suitability			
Barium	0.02	0.10	
Mercury	<0.0002	<0.0002	
Ground Water Quality			
Iron	0.51	0.09	
Manganese	6.3	0.07	
Chloride	1,950	27	
Sodium	940	355	
Sulfate	1,080	27	
Contamination Indicators			
Field: pH Units	6.63	7.59	
pH Units	6.59	7.5	
pH Units	6.62	7.57	
Mean	6.61	7.55	
Lab: pH Units	6.6	7.4	
pH Units	6.6	7.3	
pH Units	6.6	7.4	
pH Units	6.6	7.3	
Mean	6.6	7.4	
Field: Specific Conductance	6,970	700	
Specific Conductance	7,020	700	
Specific Conductance	6,740	710	
Mean	6,910	703	
Lab: Specific Conductance	6,950	751	
Specific Conductance	6,950	748	
Specific Conductance	6,970	748	
Specific Conductance	6,950	747	
Mean	6,955	749	

MONITORING WELL NUMBER:	N-23	N-09R	
Entek Lab Identification No.:			
Metals	06-13363	06-13443	
pH/Conductivity	06-13351	06-13431	
pH/Conductivity	06-13352	06-13432	
pH/Conductivity	06-13353	06-13433	
pH/Conductivity	06-13354	06-13434	
Chloride/Sulfate	06-13350	06-13430	

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MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	N-23	N-09R	
(concentrations mg/L)			
Contamination Indicators			
TOC	17	<1.0	
TOC	16	<1.0	
TOC	16	<1.0	
TOC	15	<1.0	
Mean	16	<1.0	
TOX	0.04	0.04	
TOX	0.05	0.05	
TOX	0.05	0.04	
TOX	0.05	0.05	
Mean	0.05	0.05	
(concentrations ug/L)			
Priority Pollutant Organics			
Benzene	<5.0	<5.0	
Benzenethiol	<10.0	<10.0	
Benzothiazole	<10.0	<10.0	
2(3H)Benzothiazolone	<10.0	<10.0	
1,1-Dichloroethane	<5.0	<5.0	
1,2-Dichloroethane	<5.0	<5.0	
1,1-Dichloroethene	<5.0	<5.0	
Methylene Chloride	<5.0	<5.0	
N-nitrosodiphenylamine	<10.0	<10.0	
Toluene	<5.0	<5.0	

MONITORING WELL NUMBER:	N-23	N-09R	
Entek Lab Identification No.:			
TOC	06-13355-58	06-13435-38	
TOX	06-13359-62	06-13439-42	
Volatile Organics	06-13348	06-13428	
Semi-Volatile Organics	06-13349	06-13429	

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MONITORING WELL ANALYSES DATA

	11/13/06	11/14/06
MONITORING WELL NUMBER:	FB 402	RN-06D
(concentrations mg/L)		
Drinking Water Suitability		
Barium	<0.01	<0.01
Mercury	<0.0002	<0.0002
Ground Water Quality		
Iron	<0.01	0.15
Manganese	<0.01	1.7
Chloride	<1.0	730
Sodium	<0.01	755
Sulfate	<2.5	440
Contamination Indicators		
Lab: pH Units	6.6	6.9
pH Units	6.7	6.9
pH Units	6.8	6.9
pH Units	6.6	6.9
Mean	6.7	6.9
Lab: Specific Conductance	3.0	3,680
Specific Conductance	2.0	3,680
Specific Conductance	2.0	3,670
Specific Conductance	2.0	3,690
Mean	2.3	3,680

MONITORING WELL NUMBER:	FB 402	RN-06D
Entek Lab Identification No.:		
Metals	06-13257	06-13427
pH/Conductivity	06-13244	06-13415
pH/Conductivity	06-13245	06-13416
pH/Conductivity	06-13246	06-13417
pH/Conductivity	06-13247	06-13418
Chloride/Sulfate	06-13243	06-13414

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Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

MONITORING WELL NUMBER:	FB 402	RN-06D	Trip Blank 11/13/06	Trip Blank 11/14/06
(concentrations mg/L) **Contamination Indicators**				
TOC	<1.0	11	@	@
TOC	<1.0	10	@	@
TOC	<1.0	13	@	@
TOC	<1.0	12	@	@
Mean	<1.0	12		
TOX	<0.01	0.07	@	@
TOX	<0.01	0.07	@	@
TOX	<0.01	0.08	@	@
TOX	<0.01	0.06	@	@
Mean	<0.01	0.07		
(concentrations ug/L) **Priority Pollutant Organics**				
Benzene	<5.0	<5.0	<5.0	<5.0
Benzenethiol	<10.0	<10.0	@	@
Benzothiazole	<10.0	<10.0	@	@
2(3H)Benzothiazolone	<10.0	180	@	@
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0
N-nitrosodiphenylamine	<10.0	<10.0	@	@
Toluene	<5.0	<5.0	<5.0	<5.0

@ - Analyses not requested on the samples (Volatile Organics only).

MONITORING WELL NUMBER:	FB 402	RN-06D	Trip Blank	Trip Blank
Entek Lab Identification No.:				
TOC	06-13249-52	06-13419-22	@	@
TOX	06-13253-56	06-13423-26	@	@
Volatile Organics	06-13242	06-13412	06-13177	06-13347
Semi-Volatile Organics	06-13243	06-13413	@	@

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Chemtura USA Corp.
Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Lab Blank		LCS / QC (observed/true)
(concentrations mg/L) **Drinking Water Suitability**			
Barium	<0.010		0.50 /0.50
Mercury	<0.0002		0.0025 0.0025
Ground Water Quality			
Iron	<0.010		0.51 /0.50
Manganese	<0.010		0.51 /0.50
Chloride	<1.0		1.06 /1.00
Sodium	<0.010		0.46 /0.50
Sulfate	<2.5		1.1 /1.00
Contamination Indicators			
Lab: pH Units	NA		6.0 /6.0
pH Units	NA		6.0 /6.0
Lab: Specific Conductance	<2.0		1412 /1412
Specific Conductance	<2.0		1413 /1412
(concentrations mg/L) **Contamination Indicators**			
TOC	<1.0		20 /20
TOC	<1.0		10 /10
TOX	<0.01		5.1 /5.0
(concentrations ug/L) **Priority Pollutant Organics**			
Benzene	<5.0		0.050 /0.050
Benzenethiol	<10.0		-- /--
Benzothiazole	<10.0		64 /100
2(3H)Benzothiazolone	<10.0		48 /100
1,1-Dichloroethane	<5.0		0.049 /0.050
1,2-Dichloroethane	<5.0		0.049 /0.050
1,1-Dichloroethene	<5.0		0.042 /0.050
Methylene Chloride	<5.0		-- /--
N-nitrosodiphenylamine	<10.0		63 /100
Toluene	<5.0		0.048 /0.050

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December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA

	Spike N-21 Amt/Rec	Spike N-14 Amt/Rec	Spike N-23 Amt/Rec	Spike RN-06 Amt/Rec	Spike RN-06D Amt/Rec
(concentrations mg/L)					
Drinking Water Suitability					
Barium		50ug/86%			
Mercury			0.1ug/104%		
Ground Water Quality					
Iron		50ug/89%			
Manganese		50ug/85%			
Chloride		5ug/107%			
Sodium				50ug/85%	
Sulfate		5ug/94%			
(concentrations mg/L)					
Contamination Indicators					
TOC	4.0ug/98%				
TOX					2.0ug/90%
(concentrations ug/L)		**MW N-13A**			
Priority Pollutant Organics					
Benzene		0.25ug/104%			
Benzenethiol					
1,1-Dichloroethane		0.25ug/102%			
1,2-Dichloroethane		0.25ug/105%			
1,1-Dichloroethene		0.25ug/95%			
Methylene Chloride					
Benzothiazol		100ug/64%			
Toluene		0.25ug/107%			
2(3H) Benzothiazolone		100ug/47%			
n-Nitroso-diphenylamine		100ug/57%			

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December 22, 2006
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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	% Limits	N21	RN08	N14	N16
Dibromofluoromethane	86-118	97	98	96	102
1,2-Dichloroethane-d4	80-120	97	101	90	103
Toluene-d8	88-110	93	97	94	94
Bromofluorobenzene	86-115	103	103	103	104
2-Fluorophenol	21-100	25	14*	47	5*
Phenol-d6	10- 94	22	10	34	2*
Nitrobenzene-d5	35-114	41	49	53	51
2-Fluorobiphenyl	35-116	40	47	50	48
2,4,6-Tribromophenol	10-123	57	68	94	23
Terphenyl-d14	33-141	47	53	54	55

MONITORING WELL NUMBER: (Percent Recovery)	RN06	RN07	N13A	N09R	N23
Dibromofluoromethane	96	95	95	95	97
1,2-Dichloroethane-d4	102	98	98	95	100
Toluene-d8	95	97	95	93	94
Bromofluorobenzene	104	104	103	104	103
2-Fluorophenol	47	34	39	55	35
Phenol-d6	43	29	28	46	27
Nitrobenzene-d5	52	46	49	50	45
2-Fluorobiphenyl	49	44	46	49	43
2,4,6-Tribromophenol	86	84	73	96	76
Terphenyl-d14	55	54	44	55	37

* Surrogate recovery failure due to matrix interference.

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Geismar, Louisiana

December 22, 2006
Project No.: LD6-1923

MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	FDS	RN-06D	FB-402	Trip Blank 11/13/06	Trip Blank 11/14/06
Dibromofluoromethane	96	101	99	96	101
1,2-Dichloroethane-d4	90	102	102	98	104
Toluene-d8	94	95	93	93	96
Bromofluorobenzene	104	105	105	104	104
2-Fluorophenol	44	42	40	NA	NA
Phenol-d6	32	38	28	NA	NA
Nitrobenzene-d5	53	52	47	NA	NA
2-Fluorobiphenyl	51	51	46	NA	NA
2,4,6-Tribromophenol	92	80	80	NA	NA
Terphenyl-d14	59	57	57	NA	NA

MONITORING WELL NUMBER: (Percent Recovery)	N13A Spike				% Limits
Dibromofluoromethane	100				86-118
1,2-Dichloroethane-d4	93				80-120
Toluene-d8	100				88-110
Bromofluorobenzene	99				86-115
2-Fluorophenol	50				21-100
Phenol-d6	43				10- 94
Nitrobenzene-d5	46				35-114
2-Fluorobiphenyl	43				35-116
2,4,6-Tribromophenol	74				10-123
Terphenyl-d14	52				33-141

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December 22, 2006
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MONITORING WELL ANALYSES DATA

QUALITY CONTROL DATA
SURROGATE RECOVERY

MONITORING WELL NUMBER: (Percent Recovery)	Lab Blank 1 11/16/06	Lab Blank 2 11/17/06			% Limits
Dibromofluoromethane	99	98			86-118
1,2-Dichloroethane-d4	98	102			80-120
Toluene-d8	93	95			88-110
Bromofluorobenzene	102	106			86-115
2-Fluorophenol	45	NA			21-100
Phenol-d6	31	NA			10- 94
Nitrobenzene-d5	54	NA			35-114
2-Fluorobiphenyl	50	NA			35-116
2,4,6-Tribromophenol	93	NA			10-123
Terphenyl-d14	56	NA			33-141

NA - Not applicable

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December 22, 2006
Project No.: LD6-1923

QUALITY CONTROL DATA

SAMPLE DATE: 11/13-11/14/06
ANALYZED/METHODS DATA

Drinking Water Suitability	DTA Start	DTA Finish	Method of Analyses
Barium	12/01/06/1300/WL	12/05/06/1010/WL	SW846 6010B
Mercury	12/01/06/1000/WL	12/01/06/1430/WL	SW846 7470A
Ground Water Quality			
Iron	12/01/06/1300/WL	12/05/06/1010/WL	SW846 6010B
Manganese	12/01/06/1300/WL	12/05/06/1010/WL	SW846 6010B
Chloride	11/28/06/1130/CEM	12/04/06/1629/CEM	SW846 9252
Sodium	12/01/06/1500/WL	12/01/06/1600/WL	SW846, 7770
Sulfate	11/28/06/1130/CEM	12/04/06/1629/CEM	SW846 9038
Contamination Indicators			
pH Units	11/13/06/1805/LNA	11/14/06/1830/LNA	SW846 9040B
Specific Conductance	11/13/06/1805/LNA	11/14/06/1830/LNA	SW846 9050A
Contamination Indicators			
TOC	12/10/06/0800/SSP	12/10/06/1400/SSP	SW846, 9060A
TOX	11/30/06/0915/SLS	12/01/06/1850/SLS	SW846, 9020B
Priority Pollutant Organics			
Volatile Organics	11/16/06/JDS	11/17/06/JDS	SW846, 8260B
Semivolatile Organics	11/21/06/JDS	11/21/06/JDS	SW846, 8270C
Extractions	11/14/06/DR	11/14/06/DR	SW846, 3510C

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INVOICE

PHONE: (225) 752-2900
FAX: (225) 756-2706
Email: entcklabs@att.net

COPY

Invoice Date: 12/26/06
Invoice No: LD6-1923
Sample Rec'd: 11/13-11/14/06

CHEMTURA CORPORATION
Attn: Accounts Payable for Geismar
199 BENSON ROAD
MIDDLEBURY, CT 06749

P.O. No: 4500648915
Notice: Report Mailed To:
MICAH CROCHET
(Monitoring Wells / 4th Qtr)
Crompton's Geismar Facility

OFFICE USE ONLY: WL/LA: 336.00 WL: 286.00 MT: 715.00 OL: 5770.00 OH: 130.00

QUANTITY ORDERED	ANALYSES DESCRIPTION	UNIT PRICE	AMOUNT
15	VOLATILE ORGANICS	90.00	1,350.00
13	SEMI-VOLATILE ORGANICS	220.00	2,860.00
13	GROUND WATER QUALITY (Fe, Mn, Hg, Ba, SO4, Na, Cl)	77.00	1,001.00
12	TOC (FOUR REPLICATES)	40.00	480.00
12	TOX (FOUR REPLICATES)	80.00	960.00
1	TOC SPIKE	40.00	40.00
1	TOX SPIKE	80.00	80.00
12	pH, SPECIFIC CONDUCTANCE (FOUR REPLICATES)	28.00	336.00
1	DEQ REPORT PREPARATION	50.00	50.00
1	STATISTICAL ANALYSES TRACKING	80.00	80.00
		SUB-TOTAL	7,237.00
TERMS: NET 30 DAYS		TOTAL AMOUNT DUE	$7,237.00

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1.5% Interest per month will be applied to delinquent accounts.

URS Corporation **Memorandum**

To: Mr. Mica Crochet
Environmental Engineer
Chemtura USA Corporation, Inc.

From: Ying Qualls YQ

Office: Baton Rouge

Date: November 27, 2006

Subject: Groundwater Collection Reports, Chain-of-Custody, and water level readings for piezometers and monitoring wells
Year 2006 Fourth Quarter Groundwater Sampling Event
URS Project No. 19227774.00004

Enclosed please find the Groundwater Collection Reports and Chain-of-Custody forms for the Year 2006 Fourth Quarter Groundwater Sampling Event. The water levels for the monitoring wells that were not scheduled to be sampled this quarter and the piezometers were also measured during the sampling event and the results are listed below:

Piezometer/ Monitor Well	Top of Casing to Water Level (feet)
P1	17.09
P2	19.5
P3	8.18
P4	7.00
P5	8.29
N-19	4.37
N-22	11.47
N-15	7.00
N-17	6.90
N-20	7.90

Should you need additional information please do not hesitate to call me at (225) 922-5760. Thank you.

cc: Maryann Stevens, ENTEK

'06 NOV 28 PM 6:35

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URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RN-06 & RN-06D
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/14/06 ~~0945~~ 1215 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.24' TOP OF CASING TO BOTTOM 30.31'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 5.70' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/14/06 1235 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 5.70'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	23.9	7.46	3.59
FIELD REPLICATE #2	24.1	7.35	3.59
FIELD REPLICATE #3	24.3	7.23	3.69
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: ~~4~~ 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RN-06 & RN-06D

SAMPLING PERSONNEL TIME 1215 TO 1235

(SIGNED) DATE 11/14/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION:Chemtura,Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. KN-07
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/14/06 1035 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.23' TOP OF CASING TO BOTTOM 17.76'
GALLONS PER WELL VOLUME 2.0 TOTAL GALLONS EVACUATED 6.0
FINAL DEPTH TO WATER 6.0' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/14/06 1045 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.0'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	20.9	7.32	3.22
FIELD REPLICATE #2	21.8	7.03	3.47
FIELD REPLICATE #3	21.8	6.97	3.40
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Damp
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (4) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS KN-07

SAMPLING PERSONNEL TIME 1035 TO 1045

(SIGNED) DATE 11/14/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION:Chemtura,Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. RW-08
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11 / 13 / 06 1215 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.80' TOP OF CASING TO BOTTOM 17.88'
GALLONS PER WELL VOLUME 2.3 TOTAL GALLONS EVACUATED ~7.0
FINAL DEPTH TO WATER 6.10' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/13/06 1230 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.10'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 25.5	pH 7.17	CONDUCTIVITY 5.64
FIELD REPLICATE #2	TEMP. 24.4	pH 7.16	CONDUCTIVITY 4.71
FIELD REPLICATE #3	TEMP. 24.2	pH 7.23	CONDUCTIVITY 4.90
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Partly cloudy, mild Temp.
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS RW-08

SAMPLING PERSONNEL TIME 1215 TO 1230

(SIGNED) DATE 11/13/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-09R
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/14/06 1320 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.45' TOP OF CASING TO BOTTOM 18.93'
GALLONS PER WELL VOLUME 2.7 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER Dry ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/14/06 1400 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL Dry

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	22.8	7.59	0.70
FIELD REPLICATE #2	22.4	7.50	0.70
FIELD REPLICATE #3	22.7	7.57	0.71
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (4) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-09R

SAMPLING PERSONNEL TIME 1320 TO 1400

(SIGNED) DATE 11/14/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-13A
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/13/06 1355 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.60' TOP OF CASING TO BOTTOM ~20.44'
GALLONS PER WELL VOLUME 2.6 TOTAL GALLONS EVACUATED ~8.0
FINAL DEPTH TO WATER 11.17' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/13/06 1415 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 11.17

SAMPLE DATA

	TEMP. (oC)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	26.1	7.27	1.66
FIELD REPLICATE #2	24.5	7.25	1.69
FIELD REPLICATE #3	23.7	7.30	1.60
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Cool
SAMPLING CHARACTERISTICS _____
CONTAINERS AND PRESERVATIVES Table 1: (4) ~~(2)~~ 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-13A

SAMPLING PERSONNEL TIME 1355 TO 1415

(SIGNED) DATE 11/13/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-14
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/14/06 1110 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 5.92' TOP OF CASING TO BOTTOM 23.08'
GALLONS PER WELL VOLUME 2.8 TOTAL GALLONS EVACUATED ~8.5
FINAL DEPTH TO WATER 9.32' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/14/06 1130 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 9.32'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	22.1	7.43	1.25
FIELD REPLICATE #2	23.4	7.40	1.36
FIELD REPLICATE #3	25.9	7.21	1.37
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1: (4) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-14

SAMPLING PERSONNEL TIME 1110 TO 1130

(SIGNED) DATE 11/14/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-16
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/13/06 1253 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.49' TOP OF CASING TO BOTTOM 22.85'
GALLONS PER WELL VOLUME 3.0 TOTAL GALLONS EVACUATED 9.0
FINAL DEPTH TO WATER 7.09' ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/13/06 1315 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 7.09'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 26.2	pH 6.59	CONDUCTIVITY 6.36
FIELD REPLICATE #2	TEMP. 25.3	pH 6.54	CONDUCTIVITY 6.57
FIELD REPLICATE #3	TEMP. 26.1	pH 6.53	CONDUCTIVITY 6.60
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Warm
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (4) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-16

SAMPLING PERSONNEL TIME 1253 TO 1315

(SIGNED) DATE 11/13/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-21
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/13/06 1018 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 3.20' TOP OF CASING TO BOTTOM 24.82'
GALLONS PER WELL VOLUME 3.5 TOTAL GALLONS EVACUATED 10.5
FINAL DEPTH TO WATER 4.61' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/13/06 1040 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 4.61'

SAMPLE DATA

	°C		mS
FIELD REPLICATE #1	TEMP. 22.3	pH 6.89	CONDUCTIVITY 6.23
FIELD REPLICATE #2	TEMP. 24.2	pH ~~6.12~~ 6.78	CONDUCTIVITY 6.12
FIELD REPLICATE #3	TEMP. 23.8	pH 6.92	CONDUCTIVITY 6.23
FIELD REPLICATE #4	TEMP. NA	pH NA	CONDUCTIVITY NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Cool
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: (4) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-21

SAMPLING PERSONNEL TIME 1018 TO 1040

(SIGNED) DATE 11/13/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. N-23
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/14/06 0950 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL 4.52' TOP OF CASING TO BOTTOM 19.24'
GALLONS PER WELL VOLUME 2.4 TOTAL GALLONS EVACUATED ~7.5
FINAL DEPTH TO WATER 6.20' ELEVATION TOP OF CASING ——

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/14/06 1005 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL 6.20'

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	21.7	6.63	6.97
FIELD REPLICATE #2	22.7	6.59	7.02
FIELD REPLICATE #3	22.9	6.62	6.74
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Cloudy, Damp
SAMPLING CHARACTERISTICS Cloudy
CONTAINERS AND PRESERVATIVES Table 1 (2) 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS N-23

SAMPLING PERSONNEL TIME 0950 TO 1005

(SIGNED) DATE 11/14/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

GROUNDWATER COLLECTION REPORT

PROJECT NUMBER AND NAME 19227774-4 2006 4th Quarter Groundwater Sampling LOCATION: Chemtura, Geismar
COLLECTOR/OPERATOR B. Muller / T. Soileau WELL NO. FDS
TYPE OF SAMPLE _____ (X) GRAB ( ) COMPOSITE ( ) OTHER _____

MONITOR WELL INFORMATION

EVACUATION: DATE/TIME 11/13/06 1100 METHOD OF EVACUATION DEDICATED BAILER
INITIAL DEPTH TO WATER LEVEL — TOP OF CASING TO BOTTOM —
GALLONS PER WELL VOLUME — TOTAL GALLONS EVACUATED —
FINAL DEPTH TO WATER — ELEVATION TOP OF CASING —

(2" = 0.163, 3" = 0.367, 4" = 0.653)

SAMPLING: DATE/TIME 11/13/06 1110 METHOD OF SAMPLING DEDICATED BAILER
DEPTH TO WATER LEVEL —

SAMPLE DATA

	TEMP. (°C)	pH	CONDUCTIVITY (mS)
FIELD REPLICATE #1	25	7.12	1.66
FIELD REPLICATE #2	—	—	—
FIELD REPLICATE #3	—	—	—
FIELD REPLICATE #4	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING Sunny, Cool
SAMPLING CHARACTERISTICS Clear
CONTAINERS AND PRESERVATIVES Table 1: ~~(2)~~ 4 40 ml vials with HCl for VOA, (2) 1 L glass amber jars(GAJ) for semivolatiles & BNA, (1) 1 L. plastic jar for chloride, sulfate, (4) small plastic jars for conductivity, pH, (4) 1/10 L GAJ with H_2SO_4 for TOC, (4) 1/4 L GAJ with H_2SO_4 for TOX and (1) 1/2 L. plastic jar with HNO_3 for metals (Ba, Fe, Mn, Hg, Na)
RECOMMENDATIONS/OBSERVATIONS _____

SAMPLE ID NUMBERS FDS

SAMPLING PERSONNEL TIME 1100 TO 1110

(SIGNED) DATE 11/13/06

LOCK OR SEAL NUMBER NA REPLACEMENT SEAL NUMBER NA

URS Corporation

Chain of Custody and Analysis Request

URS Project No.: 19227774.00004
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
11/13/06	Trip Blank	BW	4	4												
11/13/06 1040	N-21	GW	20	4	2	1	4	4	4	1						
11/13/06 1110	FDS	GW	20	4	2	1	4	4	4	1						
11/13/06 1230	RN-08	GW	20	4	2	1	4	4	4	1						
11/13/06 1315	N-16	GW	20	4	2	1	4	4	4	1						
11/13/06 1330	FB 402	BW	20	4	2	1	4	4	4	1						
11/13/06 1415	N-13A	GW	20	4	2	1	4	4	4	1						

Methods

11-13-06

11-13-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	11/13/06 1518
Received By:	Entek	11/13/06 1515
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

Chain of Custody and Analysis Request

URS Project No.: 19227774.00004
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
11/14/06	Trip Blank	BW	4	4												
11/14/06 1005	N-23	GW	20	4	2	1	4	4	4	1						
11/14/06 1045	RN-07	GW	20	4	2	1	4	4	4	1						
11/14/06 1130	N-14	GW	20	4	2	1	4	4	4	1						
11/14/06 1235	RN-06	GW	20	4	2	1	4	4	4	1						
11/14/06 1247	RN-06D	GW	20	4	2	1	4	4	4	1						
11/14/06 1400	N-09R	GW	20	4	2	1	4	4	4	1						

11-14-06

11-14-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	11/14/06 1507
Received By:	Entek	11/14/06 1510
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

8:44 AM COC.X

URS Corporation

LDWNR1923-A

Chain of Custody and Analysis Request

URS Project No.: 19227774.00004
Project Name: Crompton Quarterly Groundwater Sampling
Project Location: Geismar, Louisiana
Sampler Team Leader: B. Muller / T. Soileau
Company Name: URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
11/13/06	Trip Blank	BW	4	4												
11/13/06 1040	N-21	GW	20	4	2	1	4	4	4	1						
11/13/06 1110	FDS	GW	20	4	2	1	4	4	4	1						
11/13/06 1230	RN-08	GW	20	4	2	1	4	4	4	1						
11/13/06 1315	N-16	GW	20	4	2	1	4	4	4	1						
11/13/06 1330	FB 402	BW	20	4	2	1	4	4	4	1						
11/13/06 1415	N-13A	GW	20	4	2	1	4	4	4	1						

11-13-06

11-13-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	11/13/06 1518
Received By:	Jackie Daly Entek	11/13/06 1518
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:
Airbill No.:
Laboratory Name: ENTEK, 14285 Airline Hwy.
Laboratory Addr: Baton Rouge, LA 70817 225-752-2900
Custody Seals Present? Yes No
Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

URS Corporation

Chain of Custody and Analysis Request

LD6UNR1923-B

Page 1 of 1

URS Project No.: 19227774.00004	Project Name: Crompton Quarterly Groundwater Sampling
Project Location:	Geismar, Louisiana
Sampler Team Leader:	B. Muller / T. Soileau
Company Name:	URS Corporation Phone: (225) 922-5700

YEAR: 2006 Sample Date/Time	Field Identification	Matrix *	Number of Containers	VOA	Semivolatiles/ BNA	Chloride/ Sulfate	Conductivity/pH	TOC	TOX	Metals (Barium, Iron, Manganese, Mercury, Sodium)	PCBs/ Pesticides/ Herbicides (Table 4)					Remarks
11/14/06	Trip Blank	BW	4	4												
11/14/06 1005	N-23	GW	20	4	2	1	4	4	4	1						
11/14/06 1045	RN-07	GW	20	4	2	1	4	4	4	1						
11/14/06 1130	N-14	GW	20	4	2	1	4	4	4	1						
11/14/06 1235	RN-06	GW	20	4	2	1	4	4	4	1						
11/14/06 1247	RN-06D	GW	20	4	2	1	4	4	4	1						
11/14/06 1400	N-09R	GW	20	4	2	1	4	4	4	1						

11-14-06

11-14-06

Preservatives used:

	Signature	Date/Time
Relinquished By:	URS	11/14/06 1507
Received By:	Jackie Valley Entek	11/14/06 1507
Relinquished By:		
Received By:		
Relinquished By:		
Received By Laboratory:		

Method of Shipment:

Airbill No.:

Laboratory Name ENTEK, 14285 Airline Hwy.

Laborabory Addr Baton Rouge, LA 70817 225-752-2900

Custody Seals Present? Yes No

Custody Seals Intact? Yes No

Special Instructions

* MATRIX - Groundwater (GW)
Blank water (BW)
Soil (SO)
Sediment (SE)

ATTACHMENT C

RECAP FORM 1

ATTACHMENT C
RECAP FORM 1
RECAP SUBMITTAL SUMMARY

1. Agency Interest Name: Chemtura Corporation
2. AI#: 1433
3. Name of Area of Investigation: AOC-1
4. Property Owner Name: Chemtura Corporation (Chemtura)
5. Property Owner Mailing Address: P.O. Box 397, Geismar, Louisiana 70734
6. Facility Operator Name: Chemtura
7. Facility Operator Mailing Address: P.O. Box 397, Geismar, Louisiana 70734
8. Facility Physical Address: 36191 Louisiana Highway 30 Geismar, Louisiana 70734
9. Parish: Ascension Parish
10. Latitude/Longitude of Primary Facility Entrance: 30°12'54"/91°00'05"
11. Latitude/Longitude Method: Topographic Mapping Software
12. Responsible Party Contact Person: Keith Gordon
13. Responsible Party Contact Person's Phone Number: (225) 673-0783
14. Responsible Party Contact Person's Mailing Address: P.O. Box 397, Geismar, Louisiana 70734
15. Responsible Party Contact Person's E-mail Address: keith.gordon@chemtura.com
16. Area of Investigation Location: AOC-1 = area including and surrounding Cell B
17. Area of Investigation Size: AOC-1 ≈ 1,177,630 square feet
18. Horizontal and Vertical Extent of the Area of Investigation has been identified? [X] Yes [ ] No
19. Describe the Current and Historical Uses of the Property on which the AOC is located and the Time Periods for Each Use/Activity:

Cell B was constructed in 1974 and operated from 1974 to 1989 as a settling basin for process wastewaters. See October 2001 RECAP Report for additional history of Cell B.

20. Indicate How Release Occurred (if known): Area was permitted for hazardous waste settling
21. List Constituents Released (if known): Approved Constituents of Concern are listed in the September 2004 Cell B Work Plan
22. RECAP Submittal Date: January 2007

23. RECAP Submittal Prepared by: Calvin R. Wiggs, PG and Brad C. Barre

24. RECAP Submittal Preparer's Employer: Conestoga-Rovers & Associates

25. RECAP Submittal Preparer's Phone Number: (225) 292-9007

26. Site Ranking: [ ] Class 1 [ ] Class 2 [ ] Class 3 [X] Class 4

27. Media Impacted:

[X] Surface Soil
[ ] Subsurface Soil

[ ] Groundwater 1A
[ ] Groundwater 1B
[ ] Groundwater 2A
[ ] Groundwater 2B
[ ] Groundwater 2C
[X] Groundwater 3A
[ ] Groundwater 3B
[ ] Groundwater Classification Unknown

[ ] Surface water
[ ] Sediment
[ ] Biota

28. Is soil present at 0-3 ft bgs impacted? [X] Yes [ ] No

29. Release volume: Unknown

30. Is NAPL Present? [ ] Yes [X] No

31. Aquifer: 112MRVAC: Mississippi River Alluvial Aquifer Surficial Confining Unit

(a) Distance from AOC/AOI to the nearest downgradient property boundary: ≈ 3,200 feet

(b) Distance from AOC/AOI to the nearest downgradient surface water body: ≈ 2,300 feet

(c) Depth from known contamination to the nearest Groundwater Classification 1 aquifer: ≈ 200 feet

(d) If a GW 1 or 2 aquifer, distance from POC to nearest downgradient drinking water wells: N/A

32. Distance from known contamination to nearest enclosed occupied structure: N/A

33. Depth Groundwater First Encountered: ≈ 4 - 8 feet below ground surface

34. Distance from POC to POE: 2,300 feet

35. Dilution Factor Applied: 440

36. Fractional Organic Carbon Content: N/A

37. Current Land Use: [ ] Non-Industrial [X] Industrial NAICS: _____

38. Potential Future Land Use: [ ] Non-Industrial [X] Industrial NAICS: _____

39. Is There Offsite Contamination? [ ] Yes [X] No

(a) If Yes, Land Use Offsite: [ ] Non-Industrial [X] Industrial NAICS: _____

(b) If Yes, Identify the Landowner(s), Lessee(s), and/or Servitude Holder(s): _____

40. Management Option(s)Applied at the AOI: [X] SO [X] MO-1 [ ] MO-2/Appendix I [ ] MO-3

41. Provide documentation that the AOI meets the criteria for the Option implemented: See RECAP addendum presented herein.

42. Current Status of AOC-1: NFA-ATT Requested

(a) AOC will be further evaluated under: [ ] MO-1 [ ] MO-2 [ ] MO-3.

(b) Medium for further evaluation: _____

(c) Exceedances:

43. [ ] The AOI will be remediated under: N/A

44. Exceedances and Corrective Action Standards to be applied: N/A

45. All constituent concentrations in all impacted media:

[X] comply with the applicable RECAP standards; **or**

[ ] have been remediated to the applicable RECAP; **or**

[ ] alternate remediation standards and a NFA-ATT determination is being requested **and**:

(a) RECAP Standards Applied: [ ] Non-industrial [X] Industrial
(b) There are institutional controls on this property: [ ] Yes [X] No
(c) If yes, type of institutional control employed: _____
(d) If applicable, the conveyance notice has been filed with the _____ (parish) Clerk of Court noting that the AOI was closed under industrial standards.

46. RECAP Standards Applied at the AOC:

AOC-1

Medium: Surface Soil

COC	[X] AOIC	[ ] LSS [X] MO-1 LRS [ ] MO-2 LRS [ ] MO-3 LRS [ ] Alternate Standards
2(3H)-Benzothiazolone	2.65	1,050
2(3H)-Benzothiazolethione	28.8	1,050

Medium: Groundwater

COC	[X] CC	[ ] LSS [X] MO-1 LRS [ ] MO-2 LRS [ ] MO-3 LRS [ ] Alternate Standards
Iron	2	84,788
Silver	0.02	238
Thallium	0.01	0.88
2(3H)-Benzothiazolone	3.55	308
2(3H)Bonzothiazolethione*	1.44	308
Benzothiazole	0.129	28
n-Nitrosodiphenylamine	0.019	1.41
Heptachlor Epoxide	0.0016	0.088

*This constituent was not analyzed in groundwater; therefore, the theoretical maximum concentration that could be leached from soil to groundwater was calculated (28.8 mg/kg divided by the default dilution factor of 20=1.44 mg/L).

47. Provide documentation that the AOIC and/or CC will continue to comply with the applicable standard. See RECAP addendum presented herein.

48. If groundwater was impacted, provide a description of aquifer use and list the locations and depths of the nearest drinking water supply wells: See October 2001 RECAP Report.

49. Provide: (a) a description of the remedial actions implemented; (b) verification that the source has been removed/mitigated and that residual constituent concentrations comply with the LSS or LRS; and (c) a discussion on the offsite disposal of investigation and remediation wastes including types, quantities, disposal location, etc. a) Impacted soils were removed in 1989. A groundwater remediation system has been in place since 1989, which includes a French drain system that captures and recovers groundwater in the vicinity of Cell B; b) See RECAP addendum presented herein; c) all investigation derived waste were containerized pending proper disposal.

50. If applicable, discuss monitoring well plugging and abandonment: Specific monitor wells will plugged and abandoned following LDEQ approval of the RECAP addendum.

51. Is There a Current or Potential Ecological Impact? [ ] Yes [X] No

ATTACHMENT D

RECAP FORM 3

ATTACHMENT D
RECAP FORM 3
ANALYTICAL DATA EVALUATION

Date January 2007

Facility Name Chemtura Corporation Geismar Facility

Agency Interest (AI #) 1433

Physical Site Location 36191 Louisiana Highway 30, Geismar Louisiana 70734

Operation Address P.O. Box 397, Geismar, Louisiana 70734

Property Owner/Address P.O. Box 397, Geismar, Louisiana 70734
Facility Owner/Address P.O. Box 397, Geismar, Louisiana 70734
Responsible Party/Address P.O. Box 397, Geismar, Louisiana 70734

1. Data Generation

1.A All sample collection was done in accordance to applicable RECAP collection guidelines.
[√] Yes [ ] No

1.B All generated data was obtained using EPA Methodology, RECAP approved methodology (as found in text), or methodology pre-approved by the Department. Any modifications to methodology have been noted, explained and pre-approved by the Department.
[√] Yes [ ] No

1.C All Data are analyte-specific and the identity and concentration are confirmed. [√] Yes [ ] No

1.D All data were generated by a LDEQ certified laboratory. [√] Yes [ ] No

2. Data Evaluation and Usability

2.A Methods used are appropriate for analyzed constituents:

1. Analysis used is specific for COCs. [√] Yes [ ] No

2. Results are produced with the most appropriate sensitive method. (e.g. not using portable field analytical instruments). [√] Yes [ ] No

2.B Sample Quantitation Limits (SQL)

Note: The SQL is not synonymous with the IDL (instrument detection limit) or the MDL (minimum detection limit). The SQL is derived after considering the effects of dilutions, loss of instrument sensitivity, matrix interferences, and other interferences effecting the lower-end accuracy of analysis, and therefore resulting in the elevation of the method detection limit. The SQL will be the only detection limit considered for comparison to limiting standards.

1. All SQLs are less than reference concentrations (RS or SS). [√] Yes [ ] No
   (If yes, proceed to Section 2C, Qualifiers and Codes).

2. Samples with SQLs greater than the limiting standard are not being reported as non-detected. (If yes, proceed to Item # 3 of this section). [ ] Yes [ ] No [√] N/A

   If the SQL is higher than the limiting standard, and a non-detect is being reported, data may still be considered by the Department if all the below conditions are met:

   (a) The non-detect results make up less than 5-10 percent of a sample set for a considered individual COC.

   (b) The ND is not classified as being from a key sampling location (e.g. drinking water well).

   (c) Documentation provided by a LDEQ accredited laboratory (with supporting evidence) is included in the document demonstrating that a practical quantitation limit was not achievable due to site or sample-specific conditions.

   Have the above three conditions been met? [ ] Yes [ ] No

   Note: If one or more of the above conditions cannot be met, the total (100%) value of the PQL may be reported as a positive detected result.

   Will this option be used and annotated in the Report? [ ] Yes [ ] No

   Note: If all answers in this item are "no," analytical results will be rejected and re-sampling will be required.

3. Are sample results higher than both the PQL and the limiting standard? [ ] Yes [ ] No (If so, results may be used despite elevated PQL).

2.C Qualifiers and Codes

1. All qualifiers and codes for flagged data have been noted on form 3 and supporting documentation has been included in the laboratory information package. [√] Yes [ ] No

2. All data with a qualifier of "R" (unusable data) do not come from critical sample points (if so, resample will be required). [ ] Yes [ ] No [√] N/A

3. All data with a qualifier of "J" (estimated concentrations) have been included as positive results. [ ] Yes [ ] No [√] N/A

2.D Blank Samples

1. Field and laboratory blanks showed no signs of contamination, and no constituents were detected in blanks. (If no constituents or contaminants were detected, proceed to 2E, Tentatively Identified Compounds). [√] Yes [ ] No

2. Contaminants or constituents found in blanks can be considered common laboratory contaminants as defined by EPA (acetone, 2-butanone, methylene chloride, toluene, or phthalates); and the same contaminants found in site samples are present at quantities less than 10 times the levels found in blanks. (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

3. Contaminants or constituents found in blanks are not considered common laboratory contaminants as defined by EPA; and the same contaminants found in site samples are present at quantities less than 5 times the levels found in blanks (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

2.E Tentatively Identified Compounds (TIC)

All possible TIC have been identified, evaluation is supported with documentation in the text, and information conforms to the requirements as listed in Section 2.5 of the RECAP. [√] Yes [ ] No

2.F Historical Data

1. All quantitative historical data has been reviewed by current QA/QC guidelines, and all applicable supporting information is justified and included in the report. [√] Yes [ ] No

2. All qualitative historical data is verifiable, has not been used quantitatively, and has only been used in the development of a conceptual model. [√] Yes [ ] No

3. Documentation

3.A Laboratory information package assembled as follows [√] Yes [ ] No:

1. Sample documentation (chains of custody, preparation time, time of analysis).
2. Sample and analyte identification and quantification.
3. Determination and documentation of sample quantitation limits (SQLs).
4. Initial and continuing calibration.
5. Performance evaluation samples (external QA or laboratory control samples)
6. Matrix spike recoveries.
7. Analytical error determination (determined with replicate samples).
8. Total measurement error determination summary. (Evaluates overall precision of measurement system from sample acquisition through analysis. Determined with field duplicate and matrix spike with matrix spike duplicate).
9. Explanation and supporting documentation for flagged data.

3.B All methods used in all analysis have produced tangible raw data (e.g. chromatograms, spectra, digital values), and are available to the Department upon request. [√] Yes [ ] No

1. Representative data is included in documentation as examples of method procedures. [√] Yes [ ] No

2. All flagged data is supported with complete associated tangible raw data. (e.g. depiction of matrix interferences, spiked recoveries reported outside of control limits, evidence for need for dilution etc.). [√] Yes [ ] No

Note: Any "no" answer must be explained at the conclusion of this form. Items not applicable should be left unmarked. See below for explanation.

4. Submitter Information

Date January 2007

Name of Person submitting this evaluation Calvin R. Wiggs, PG

Affiliation Conestoga-Rovers & Associates

Signature Calvin R Wiggs Date 1/26/07

Additional Preparers Brad C. Barre

ATTACHMENT E

MO-1 RECAP CALCULATIONS

CLIENT	Chemtura	**PROJECT**	Cell B
JOB No	28093-01	**DATE**	12/11/2006
CALCULATION BY	BCB		

CONSTITUENT: 2(3H) Benzothiazolone & 2(3H) Benzothiazolethione (Organic Noncarcinogen)

PURPOSE: To determine RECAP MO-1 industrial standards for the site.
METHOD: LDEQ RECAP Appendix H (October 20, 2003).
RS CALCULATED: $Soil_i$, $Soil_{GW3NDW}$, $Soil_{Sat}$, GW_{3NDW}

GENERAL RECAP-SUPPLIED CONSTANTS

$THQ := 1$	target hazard quotient (unitless)
$BW_a := 70$	average adult body weight (kg)
$AT_{ni} := 25$	averaging time - noncarcinogens, industrial (yr)
$EF_i := 250$	industrial exposure frequency (days/yr)
$ED_i := 25$	industrial exposure duration (yr)
$IRS_i := 50$	industrial soil ingestion rate (mg/day)
$IRA_a := 20$	adult inhalation rate (m^3/day)
$SA_a := 3300$	adult skin surface area (cm^2/day)
$AF_a := 0.2$	adult soil-to-skin adherence factor (mg/cm^2)
$T := 790000000$	exposure interval (s)
$IRF := 0.02$	fish/shellfish ingestion rate (kg/day)
$IRW_{NDW} := 0.089$	incidental water ingestion rate (L/day)

CHEMICAL-SPECIFIC PARAMETERS

$RfD_o := 0.0047$	oral chronic reference dose (mg/kg-day)
$ABS := 0.1$	dermal absorption factor (unitless)
$H := 0.000000387$	Henry's Law Constant (atm-m3/mol)
$H' := 0.0000161$	Henry's Law Constant (unitless) $H' = H/RT_{soil}$ (or H x 41)
$K_{oc} := 53.8$	soil organic carbon partition coefficient (cm^3/g)
$S := 2350$	solubility in water (mg/L-water)
$D_i := 0.0518$	diffusivity in air (cm^2/s)
$D_w := 0.00000799$	diffusivity in water (cm^2/s)
$BCF := 20$	bioconcentration factor (L/kg)

SITE-SPECIFIC PARAMETERS

$QC := 79.25$	inverse of the mean concentration at the center of 0.5-acre-square source (g/m^2-s per kg/m^3)
$\rho_b := 1.7$	dry soil bulk density (g/cm^3) --Default: 1.7
$\rho_s := 2.65$	soil particle density (g/cm^3) --Default: 2.65
$\theta_w := 0.21$	water-filled soil porosity --Default: 0.21
$n = 0.3585$	total soil porosity, $n=1-(r\rho_b/\rho_s)$
$\theta_a = 0.1485$	air-filled soil porosity, $\theta_a=n-\theta_w$
$f_{oc} := 0.006$	fractional organic carbon in soil (g/g) --Default: 0.006
$K_d = 0.3228$	soil-water partition coefficient (cm^3/g) $K_d = K_{oc} * f_{oc}$

Development of MO-1 RECAP Standards

A. $Soil_i$ --RS For Industrial Soil:

$Soil_i$ is the industrial risk-based chemical concentration in soil (mg/kg). The MO-1 standard is calculated using Equation 18 (with the RfDi portion removed because the constituent is not volatile) on page H-74 of the RECAP document, below:

$$Soil_i := \frac{(THQ \cdot BW_a \cdot AT_{ni} \cdot 365)}{ED_i \cdot EF_i \cdot \left[\left[\left(\frac{1}{RfD_o}\right) \cdot 10^{-6} \cdot IRS_i\right] + \left[\left(\frac{1}{RfD_o}\right) \cdot SA_a \cdot AF_a \cdot ABS \cdot 10^{-6}\right]\right]}$$

where,

$$VF_i := \frac{QC \cdot \sqrt{(3.14 \cdot D_A \cdot T)} \cdot 10^{-4}}{2 \cdot \rho_b \cdot D_A} \qquad VF_i = 1.7009 \times 10^5$$

where,

$$D_A := \frac{\frac{\left(\theta_a^{\frac{10}{3}} \cdot D_i \cdot H' + \theta_w^{\frac{10}{3}} \cdot D_w\right)}{n^2}}{\rho_b \cdot K_d + \theta_w + \theta_a \cdot H'} \qquad D_A = 4.6587 \times 10^{-7}$$

Therefore,

$$Soil_i = 4.1 \times 10^3 \qquad \text{(mg/kg)}$$

B. $Soil_{GW3NDW}$ --RS For Soil Concentration Protective Of Class 3 Water:

Because the site is underlain by groundwater of Classification 3 non-drinking, it is evaluated for $Soil_{GW3NDW}$. $Soil_{GW3NDW}$ represents the soil concentration which will protect Class 3 groundwater. The RS is calculated as described on page H-90 and H-91 of the RECAP document (as shown below):

Step 1) Calculate a GW_{3NDW}. If the GW_{3NDW} is greater than solubility (S) in water, then the water solubility shall be identified as the acceptable concentration in groundwater. The GW_{3NDW} is calculated for a noncarcinogenic chemical using Equation 47 presented on page H-111 of the RECAP document:

$$GW_{3NDW} := \frac{(THQ \cdot RfD_o \cdot BW_a)}{IRW_{NDW} + (BCF \cdot IRF)} \qquad GW_{3NDW} = 0.7 \quad (mg/L)$$

Compare calculated value of GW_{3NDW} to the solubility of the constituent in water and take the lower of the two values.

$S = 2.35 \times 10^3$ (mg/L)

$GW_{3NDW} = 0.7$ (mg/L)

Step 2) The soil/water partition algorithm shall be used to relate the concentration of constituent adsorbed to soil organic carbon to the soil leachate concentration in the zone of contamination. The GW_{3NDW} identified above shall be used as the target soil leachate concentration. The maximum theoretical contaminant concentration in soil that is protective of groundwater is calcuated using Equations 31 and 33 presented on page H-88 and H-91, respectively, of the RECAP document:

$$Soil_{GW3NDW} := C_{soil} \cdot 20$$

where,

$$C_{soil} := \frac{GW_{3NDW} \cdot (\rho_b \cdot K_d + \theta_w + \theta_a \cdot H')}{\rho_b} \qquad C_{soil} = 0.3 \qquad (mg/kg)$$

Therefore,

$$Soil_{GW3NDW} = 6.0 \qquad (mg/kg)$$

C. $Soil_{sat}$ --Screening Standard For Soil Saturation Limit:

$Soil_{sat}$, the concentration (mg/kg) at which the constituent saturates the soil is calculated using Equation 38 on page H-97 of the RECAP document:

$$Soil_{sat} := \frac{S}{\rho_b} \cdot \left(K_d \cdot \rho_b + \theta_w + H' \cdot \theta_a\right)$$

Therefore,

$$Soil_{sat} = 1.05 \times 10^3 \quad \text{(mg/kg)}$$

CLIENT	Chemtura	PROJECT	Cell B
JOB No	28093-01	DATE	12/11/2006
CALCULATION BY	BCB		

CONSTITUENT: Benzothiazole (Organic Noncarcinogen)

PURPOSE: To determine RECAP MO-1 industrial standards for the site.
METHOD: LDEQ RECAP Appendix H (October 20, 2003).
RS CALCULATED: GW_{3NDW}

GENERAL RECAP-SUPPLIED CONSTANTS

$THQ := 1$	target hazard quotient (unitless)
$BW_a := 70$	average adult body weight (kg)
$IRF := 0.02$	fish/shellfish ingestion rate (kg/day)
$IRW_{NDW} := 0.089$	incidental water ingestion rate (L/day)

CHEMICAL-SPECIFIC PARAMETERS

$RfD_o := 0.0047$	oral chronic reference dose (mg/kg-day)
$BCF := 20$	bioconcentration factor (L/kg)

Development of MO-1 RECAP Standards

GW_{3NDW} --RS For Class 3 Groundwater:
The site groundwater is class 3 and is not a source of drinking water. The MO-1 standard is calulated as described in Equation 47 on page H-111 (as shown below):

$$GW_{3NDW} := \frac{(THQ \cdot RfD_o \cdot BW_a)}{IRW_{NDW} + (BCF \cdot IRF)}$$

Therefore,

$$GW_{3NDW} = 0.7 \quad \text{(mg/L)}$$

CLIENT	Chemtura	**PROJECT**	Cell B
JOB No	28093-01	**DATE**	12/11/2006
CALCULATION BY	BCB		

CONSTITUENT: Iron (Inorganic Non-Volatile Noncarcinogen)

PURPOSE: To determine RECAP MO-1 standards for the site.
METHOD: LDEQ RECAP Appendix H (October 20, 2003).
STANDARDS CALCULATED: GW_{3NDW}

GENERAL RECAP-SUPPLIED CONSTANTS

$THQ := 1$ target hazard quotient (unitless)

$BW_a := 70$ average adult body weight (kg)

$IRF := 0.02$ fish/shellfish ingestion rate (kg/day)

$IRW_{NDW} := 0.089$ incidental water ingestion rate (L/day)

CHEMICAL-SPECIFIC PARAMETERS

$RfD_o := 0.3$ oral chronic reference dose (mg/kg-day)

$BCF := 1$ bioconcentration factor (L/kg)

Development of MO-1 RECAP Standards

GW_{3NDW} --RS For Class 3 Groundwater:
The site groundwater is class 3 and is not a source of drinking water. The MO-1 standard is calulated as described in Equation 47 on page H-111 (as shown below):

$$GW_{3NDW} := \frac{(THQ \cdot RfD_o \cdot BW_a)}{IRW_{NDW} + (BCF \cdot IRF)}$$

Therefore,

$$GW_{3NDW} = 192.7 \quad \text{(mg/L)}$$