



Environmental Audit Report:
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PHASE II ENVIRONMENTAL SITE INVESTIGATION

General Motors Corporation
CN and Grand Trunk Railroad Property
Pontiac, Michigan

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) was retained by General Motors Corporation (GM), at the request of Legal Staff, to complete a Phase II Environmental Site Investigation (ESI) for the Canadian National and Grand Trunk railroad property (Site) located north-south from Montcalm Street to Sheffield Avenue and east-west from Sheffield Avenue to Joslyn Road in Pontiac, Michigan. The Site location is presented on Figure 1.1. and a Site Plan is presented on Figure 1.2.

1.1 PURPOSE

The purpose of the Phase II ESI was to collect data from Potential Areas Of Concern (PAOCs) which were identified in the Phase I Environmental Site Assessment (ESA). These PAOCs include the Historical Site Operations, the Adjacent Properties, the Subgrade Structure, the Battery Wells, the Diesel Pump House, and the Stockpiled Soil/Surficial Debris. The Phase I ESA conducted at the Site is presented under separate cover.

The Aboveground Storage Tank (AST) identified as a potential area of release (PAOR) in the Phase I ESA, was investigated during the Phase II ESI as part of the Scope of Work (SOW) of the Diesel Pump House.

The Phase II ESI was conducted in accordance with usual and customary industry standards. The Phase II ESI included the installation of soil boreholes, test trenches, and temporary monitoring wells, and the collection and analysis of soil and groundwater samples.

1.2 SUMMARY OF PHASE I ESA

A Phase I ESA inspection of the Site was conducted by CRA on May 23, 2000 and June 9, 2000 in accordance with ASTM Standard E1527-97 "Standard Practice for Environmental

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Site Assessments: Phase I Environmental Site Assessment Practices", for conducting environmental assessments.

Based on the Phase I Environmental Site Assessment, including the Site inspection, information provided by Site personnel, documents reviewed, and the environmental database searches, the following PAOCs were identified at the Site:

1. Historical Site Operations – PAOC 1: The Site was historically used as a railroad track, rail yard, and a diesel fueling station. A portion of the Site is still an active railway. Heavy oil and grease stains were observed throughout the Site along the tracks and switches.
2. Adjacent Properties – PAOC 2: Adjacent properties to the east and west of the Site include the General Motors Fiero Assembly Plant and the General Motors Metal Fabricating Division Pontiac Complex. Review of aerial photographs indicate historical and current operations of these facilities included outdoor activities of an industrial nature.
3. Subgrade Structure – PAOC 3: A large concrete subgrade structure was observed to be covered with wood planks and contained an unknown liquid. Individuals associated with the Site were unaware of the purpose or contents of the subgrade structure. The integrity of the subgrade structure could not be identified during the Site inspection.
4. Battery Wells – PAOC 4: Several battery wells are located across the Site. Each of these battery wells contains approximately eight lead batteries used for power for signals and switches.
5. Diesel Pump House – PAOC 5: A diesel pump house is located along the north-south section of track south of Columbia Avenue. This building was historically used to fuel trains, however, no information regarding the source of the fuel was available. A fill level gauge located within the building indicates a maximum capacity of 12,500 gallons and indicates a level of approximately 500 gallons. Several

pipes that were not connected to anything above ground were observed to be sticking out of the ground.

6. Stockpiled Soil/ Surficial Debris - PAOC 6: Several areas of stockpiled soil, empty pails and containers, miscellaneous metal parts, construction/demolition type debris bricks, concrete, cinder blocks, coal, slag, miscellaneous refuse, and railroad ties were observed across the Site by CRA.

Locations of the PAOCs are presented on Figure 1.3.

1.3 ABOVEGROUND STORAGE TANK

Based on the Phase I ESA, including the Site inspection, information provided by Site personnel, documents reviewed, and the environmental database searches, the following PAOR was identified at the Site:

1. Aboveground Storage Tank - PAOR 1: An AST is located outside to the north of the inactive diesel pump house. Individuals associated with the Site were unaware of the age, size, contents, purpose, or construction of the AST. The PAOR is located adjacent to the diesel pump house, therefore it was investigated during the Phase II ESI as part of the Scope of Work (SOW) for the diesel pump house.

1.4 REPORT ORGANIZATION

The remainder of the Supplemental Phase II ESI Report is organized as follows:

Section 2.0	Scope of Work
Section 3.0	Results of Investigation
Section 4.0	Summary and Conclusions
Section 5.0	Certification
Section 6.0	References

2.0 SCOPE OF WORK

The Phase II ESI SOW included the collection and analysis of forty-one soil samples, four groundwater samples, and one liquid sample. Additionally, two duplicate soil samples and one duplicate groundwater sample were collected.

2.1 SUMMARY OF THE SAMPLING AND ANALYSIS PLAN

The Sampling and Analysis Plan (SAP) for the Phase II ESI is summarized in Table 2.1. The SAP included the installation of twenty-six boreholes, eight hand augers, and five test trenches. Three of the twenty-six boreholes were completed as temporary monitoring wells.

Soil samples collected were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs), RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), Polychlorinated Biphenyls (PCBs), and Polynuclear Aromatic Hydrocarbons (PNAs). Groundwater samples collected were analyzed for TCL VOCs, TCL Semi-Volatile Organic Compounds (SVOCs), PCBs, and RCRA metals.

2.2 SUMMARY OF PAOCS EVALUATED

PAOCs 1, 2, 3, 4, 5, and 6 and PAOR 1 were investigated by CRA during the Phase II ESI activities.

The Historical Site Operations were investigated through the installation of fifteen soil boreholes. The samples were collected, including one duplicate soil sample, and analyzed for TCL VOCs, PNAs, PCBs, and RCRA metals, as presented in Table 2.1 and Table 2.2.

The Adjacent Properties were investigated through the installation of eight boreholes. Three of the eight boreholes were completed as temporary monitoring wells. Eight soil samples, three groundwater samples and one groundwater duplicate sample were collected. Soil samples collected were analyzed for TCL VOCs, PNAs, PCBs, and RCRA

metals. Groundwater samples collected were analyzed for TCL VOCs, TCL SVOCs, PCBs, and RCRA metals.

The Subgrade Structure was investigated through the installation of two test trenches. Two soil samples were collected from the test trenches and one liquid sample from the existing subgrade structure. Soil samples were analyzed for TCL VOCs, PNAs, and RCRA metals. The liquid sample was analyzed for TCL VOCs, TCL SVOCs, and RCRA metals.

The Battery Wells were investigated through the installation of seven hand auger soil boreholes, one borehole for each battery well. Seven soil samples were collected and analyzed for RCRA metals.

The Diesel Pump House was investigated through the installation of three soil boreholes and three test trenches. Six soil samples were collected and analyzed for TCL VOCs, PNAs, PCBs, and RCRA metals.

The Stockpiled Soil/Surficial Debris was investigated through the installation of one hand auger borehole. Two soil samples were collected, including one duplicate sample.

2.3 SOIL INVESTIGATION

2.3.1 BOREHOLE/ TEST TRENCH INSTALLATION - SOIL SAMPLING

Twenty-six boreholes were advanced to approximately fifteen feet below ground surface (bgs) and eight hand-auger boreholes were advanced to approximately 2-feet bgs utilizing a hand auger. A soil sample was collected from each of the boreholes including two duplicate soil samples, for chemical analysis. Approximate sample locations are presented on Figure 2.1 and Figure 2.2.

Each soil borehole was advanced using a drill rig equipped with 4 1/4-inch hollow stem augers (HSA) with continuous 2-inch split spoon sampling, in accordance with ASTM D1586.

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Each hand auger borehole was advanced to approximately 2 feet bgs using a stainless steel hand auger.

A total of five test trenches were installed at the Site to approximately 10 feet bgs using a backhoe. Five soil samples were collected and analyzed, one soil sample from each test trench.

Following retrieval, samples were carefully examined by a CRA Engineer for color, soil type, stratigraphy, moisture, odor, and visual evidence of impact. Samples collected for chemical analyses were placed directly into pre-cleaned laboratory supplied sample jars. Soil samples analyzed for TCL VOCs were collected using an encore sampler and T-handle. The samples were submitted under Chain-of-Custody (COC) protocol to the Southern Petroleum Laboratories (SPL) of Houston, Texas for chemical analysis.

All sampling equipment (i.e. drill rig, backhoe bucket and hand auger) that came in contact with potentially impacted materials was decontaminated prior to field use and after each sample was collected. Decontamination of equipment was performed as follows:

- i) Clean water and non-phosphate detergent wash using a brush, if necessary, to remove all visible foreign matter;
- ii) Rinse thoroughly with potable water;
- iii) Rinse with isopropyl alcohol; and
- iv) Rinse thoroughly with deionized water.

Wash and rinse water was discharged to the ground surface at the Site.

2.4 GROUNDWATER INVESTIGATION

2.4.1 MONITORING WELL INSTALLATION - GROUNDWATER SAMPLING

A total of three boreholes were completed as temporary monitoring wells and groundwater samples were collected from each, including one duplicate sample. Approximate monitoring well locations are presented on Figure 2.1.

Each temporary monitoring well was constructed using a 2-inch diameter schedule 40 polyvinyl chloride (PVC) risers and 5-foot, 10-slot PVC screen. Monitoring wells were screened to straddle the water table. Monitoring wells were developed using stainless steel balers and were allowed to stabilize prior to sampling.

All sampling and drilling equipment that came in contact with potentially impacted materials was decontaminated prior to field use and after each sample was collected. Decontamination of equipment was performed as follows:

- i) Clean water and non-phosphate detergent wash using a brush, if necessary, to remove all visible foreign matter;
- ii) Rinse thoroughly with potable water;
- iii) Rinse with isopropyl alcohol; and
- iv) Rinse thoroughly with deionized water.

Wash and rinse water was discharged to the ground surface at the Site.

2.5 SAMPLE ANALYSES/ QUALITY ASSURANCE/ QUALITY CONTROL

Soil and groundwater samples collected during the Phase II ESI were submitted under COC protocol to SPL in Houston, Texas. Sample analyses included TCL VOCs, TCL SVOCs, PCBs, PNAs, and RCRA metals as described in Section 2.2, using approved methods set forth in SW-846, Test Methods for Evaluating Solid Waste.

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Quality Assurance/Quality Control (QA/QC) procedures were conducted by SPL during sample analysis. A QA/QC review of laboratory analytical data and data validation was also performed by a CRA chemist and is summarized in Section 3.3. A copy of the laboratory analytical data is presented in Appendix B. A copy of the data validation memorandum is presented in Appendix C.

3.0 RESULTS OF INVESTIGATION

3.1 SUMMARY OF APPLICABLE CRITERIA

The relevant soil exposure pathways, determined in Phase II ESI, applicable to the Site include:

- Direct contact criteria (DCC); and
- Groundwater contact protection criteria (GWPC).

The relevant groundwater exposure pathways applicable to the Site include:

- Drinking water criteria (DWC); and
- Groundwater contact criteria (GCC).

Therefore, soil and groundwater samples were collected to investigate the relevant exposure pathway.

3.2 RESULTS OF PAOC INVESTIGATION

The locations of the PAOCs and PAOR are presented on Figure 1.3. Sample locations are presented on Figures 2.1 and 2.2. The relation between sample locations and PAOCs is presented on Table 2.1. Summaries of detected compounds in soil samples are presented in Tables 3.1, 3.2, and 3.3. Summaries of detected compounds in groundwater samples are presented in Tables 3.4, 3.5, and 3.6.

Analytical results have been compared to the Michigan Act 451, Part 201, Generic Residential DCC, Industrial and Commercial II DCC, and GWPC for soil, and Residential and Commercial I DWC, Industrial and Commercial II, III, and IV DWC, and GCC, for groundwater. These criteria will be referred to in this report as "applicable residential and industrial criteria".

3.2.1 HISTORICAL SITE OPERATIONS

The Historical Site Operations were investigated through the installation of fifteen boreholes, BH1-00 through BH15-00, and the collection and analysis of fifteen soil samples. The soil samples were analyzed for TCL VOCs, PCBs, PNAs, and RCRA metals. Arsenic was detected in soil samples collected at BH2-00, BH13-00, and BH15-00 at concentrations of 39.3 mg/kg, 9.84 mg/kg, and 10.3 mg/kg, which are above the Residential DCC value of 7.6 mg/kg. RCRA metals and PNAs were detected in soil samples above laboratory detection limits, but were all below the applicable residential and industrial criteria. No other parameters were detected above the laboratory detection limits.

3.2.2 ADJACENT PROPERTIES

The adjacent properties were investigated through the installation of eight soil boreholes, BH16-00 through BH23-00, of which three BH21-00, BH22-00, and BH23-00 were completed as temporary monitoring wells MW1-00, MW2-00, and MW3-00, respectively. Eight soil samples and four groundwater samples were collected. Soil samples were analyzed for PNAs, PCBs, TCL VOCs, and RCRA metals. Groundwater samples were analyzed for TCL VOCs, TCL SVOCs, PCBs, and RCRA metals.

PNAs and RCRA metals were detected in soil samples above laboratory detection limits but below the applicable residential and industrial criteria. No other parameters were detected above the laboratory detection limits.

The soil sample collected at BH19-00 was not analyzed for RCRA metals due to insufficient soil recovery during sample collection. Based on soil data collected during the Phase II ESI, it can be safely assumed that the concentration of RCRA metals in the vicinity of BH19-00 is $\pm 2\%$ within the range of concentrations of RCRA metals in the other soil samples collected during the Phase II ESI.

3.2.3 SUBGRADE STRUCTURE

The Subgrade Structure was investigated through the installation of two trenches TT1-00 and TT2-00. Two soil samples were collected and analyzed for TCL VOCs, PNAs, and RCRA metals. One liquid sample was collected from the existing Subgrade Structure and analyzed for TCL VOCs, TCL SVOCs, and RCRA metals.

Arsenic was detected in a soil sample collected at TT2-00 at a concentration of 15.2 mg/kg, which is above the Residential DCC value of 7.6 mg/kg. No other parameters in soil samples were detected above the applicable residential or industrial criteria.

Lead was detected in the liquid sample collected at the existing subgrade structure at a concentration of 76.4 ug/L, which is above the Industrial and Commercial II, III, IV DWC value of 4 ug/L. TCL SVOCs were also detected in the liquid sample above laboratory detection limits, but were below the applicable residential and industrial criteria. No other parameters were detected above the laboratory detection limits in the liquid sample.

3.2.4 BATTERY WELLS

The Battery Wells were investigated through the installation of seven hand auger boreholes, HA1-00 through HA7-00. The soil samples were collected and analyzed for RCRA metals. Arsenic was detected in soil samples collected at HA2-00 and HA4-00 at concentrations of 30.8 mg/kg, and 8.04 mg/kg, respectively, which are above the residential DCC value of 7.6 mg/kg. Also, arsenic was detected in a soil sample collected at HA1-00 at a concentration of 66.4 mg/kg, which is above the Industrial and Commercial II DCC value of 61 mg/kg. The remaining RCRA metals were detected above the laboratory detection limits, but were all below the applicable residential and industrial criteria.

3.2.5 DIESEL PUMP HOUSE

The Diesel Pump House was investigated through the installation of three boreholes, BH24-00 through BH26-00, and three test trenches, TP1-00 through TP3-00. A total of six soil samples were collected and analyzed for TCL VOCs, PCBs, PNAs, and RCRA metals. Arsenic was detected in a soil sample collected at BH25-00 at a concentration of 9.59 mg/kg, which is above the Residential DCC value of 7.6 mg/kg. No other parameters in soil samples were detected above the laboratory detection limits.

3.2.6 STOCKPILED SOIL/ SURFICIAL DEBRIS

The Stockpiled Soil/Surficial Debris was investigated through the installation of one hand-auger soil borehole, HA8-00. One soil sample was collected and one duplicate soil sample, and analyzed for TCL VOCs, PCBs, PNAs, and RCRA metals. Arsenic was detected in the duplicate sample at a concentration of 7.63 mg/kg, which is above the Residential DCC value of 7.6 mg/kg. No other parameters were detected above the applicable residential and industrial criteria.

TCL VOCs, PNAs, and RCRA metals were detected in soil samples above laboratory detection limits, but were all below the applicable residential and industrial criteria.

3.2.7 ABOVEGROUND STORAGE TANK

The AST was investigated during the Phase II ESI as part of the SOW for the Diesel Pump House. Therefore, the investigation results for the Diesel Pump House are applicable and represent soil characteristics and contaminant concentrations for the AST. Section 3.2.5 describes the results of investigation for the Diesel Pump House.

3.3 DATA VALIDATION RESULTS SUMMARY

The laboratory analytical data was reviewed by a CRA chemist to determine the quality and validity of the analytical data resulting from the collection and analysis of soil samples. The laboratory analytical data are presented in Appendix B.

The quality assessment and validation indicate that the data collected exhibits acceptable levels of accuracy and precision, with minor qualifiers. The qualifiers are associated with matrix spike/matrix spike duplicate recoveries. The data may be used, as presented in this report, and as qualified in the data validation memorandum presented in Appendix C.

4.0 SUMMARY AND CONCLUSIONS

The Phase II ESI investigated six PAOCs and one PAOR identified in the Phase I ESA. The investigation consisted of collecting and analyzing thirty-nine soil samples, three groundwater samples, and associated QA/QC duplicate samples. Analytical data were evaluated against the applicable residential and industrial criteria based on relevant exposure pathways. The following is a summary of the results of the Phase II ESI.

- Based on analytical results, arsenic was detected in soil samples at PAOCs 1, 3, 4, 5, and 6 at concentrations above the Residential DCC value of 7.6 mg/kg.
- Based on analytical results, arsenic was detected in one soil sample at PAOC 1, at a concentration of 66.4 mg/kg, which exceeds the Industrial and Commercial II DCC value of 61 mg/kg.
- Based on analytical results, lead was detected in a liquid sample collected at the existing subgrade structure, PAOC 3, at a concentration of 76.4 ug/L, which is above the Industrial and Commercial II, III, and IV DWC value of 4 ug/L.
- Based on analytical results, no other parameters were detected at any PAOC above the applicable residential and industrial criteria.

5.0 CERTIFICATION

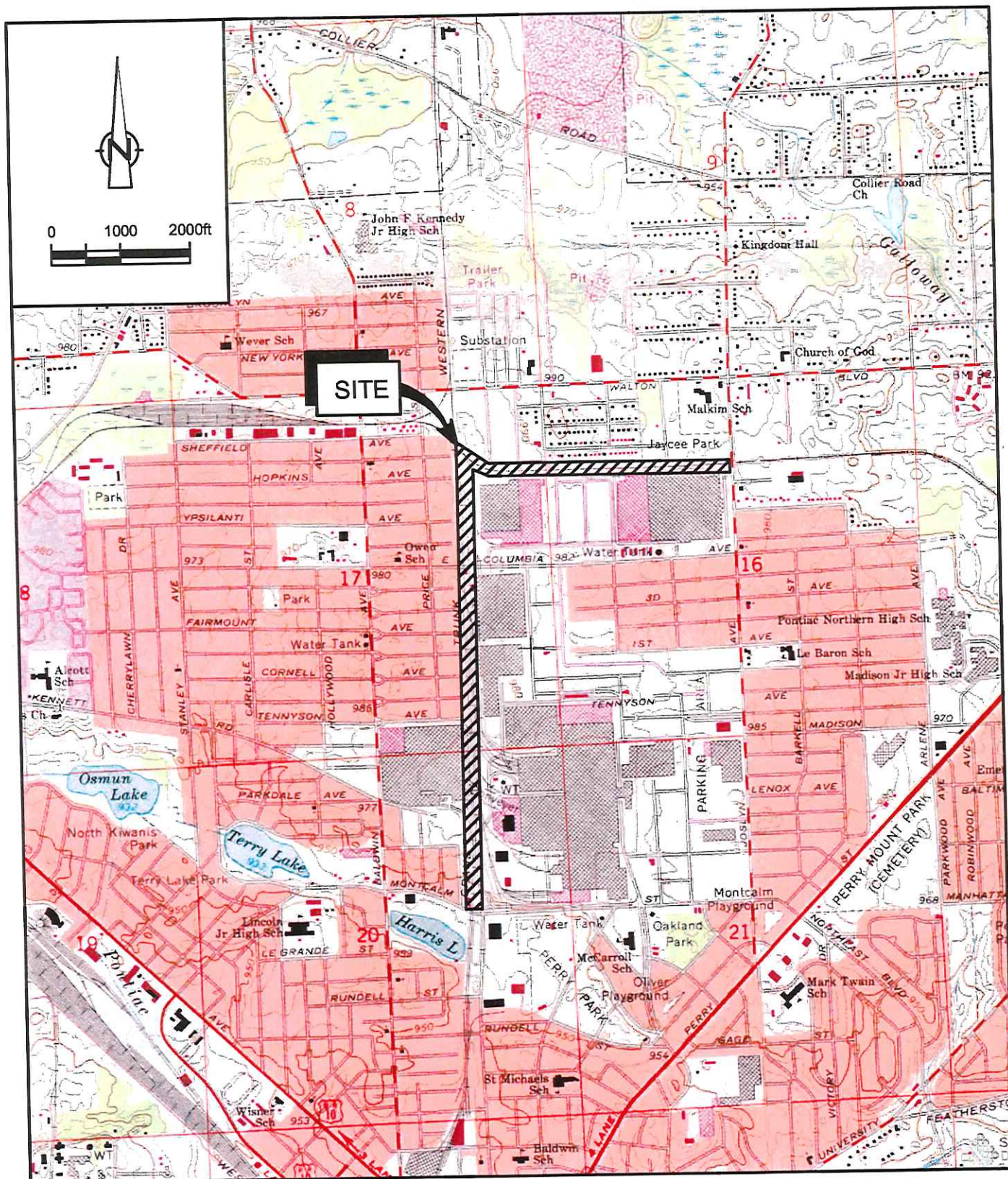
We certify that this Phase II ESI has been completed in accordance with good commercial and customary practices.

Frank W. Ring, P.E.
Project Manager

Fred W. Blicke, III, P.E.
Senior Reviewer

6.0 REFERENCES

- "Phase I Environmental Site Assessment, General Motors Corporation – CN and Grand Trunk Railroad Property, Pontiac, Michigan, CRA, July 2000;
- ASTM Standard Guide for Environmental Site Assessments: Phase II ESA Process;
- "DEQ Training Material for Part 201 Cleanup Criteria", MDEQ, June, 2000;



SOURCE: USGS QUADRANGLE MAP;
PONTIAC NORTH, MICHIGAN

figure 1.1

SITE LOCATION
PHASE II ENVIRONMENTAL SITE INVESTIGATION
CN & GRAND TRUNK RAILROAD PROPERTY
Pontiac, Michigan



CRA

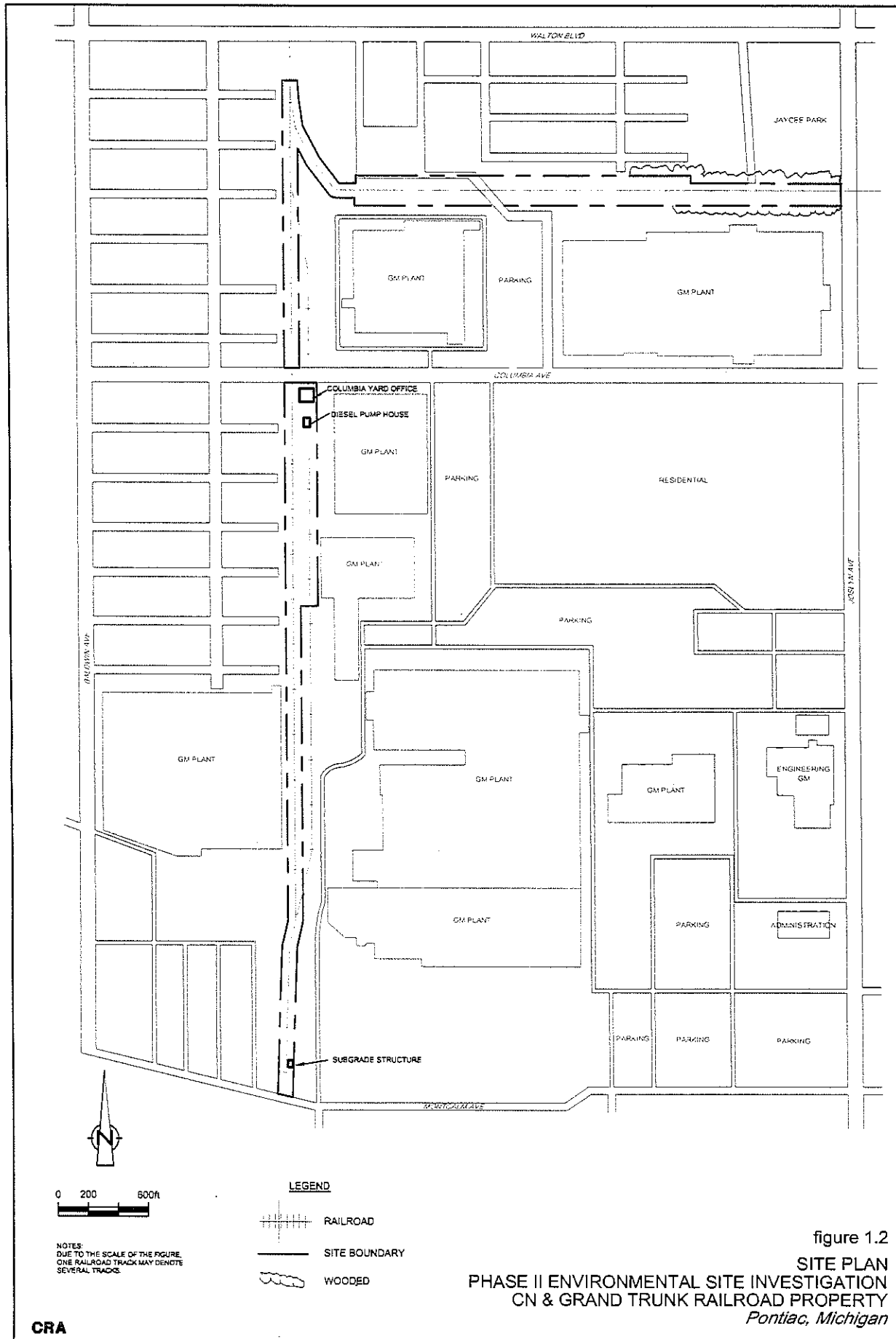


figure 1.2
SITE PLAN
PHASE II ENVIRONMENTAL SITE INVESTIGATION
CN & GRAND TRUNK RAILROAD PROPERTY
Pontiac, Michigan

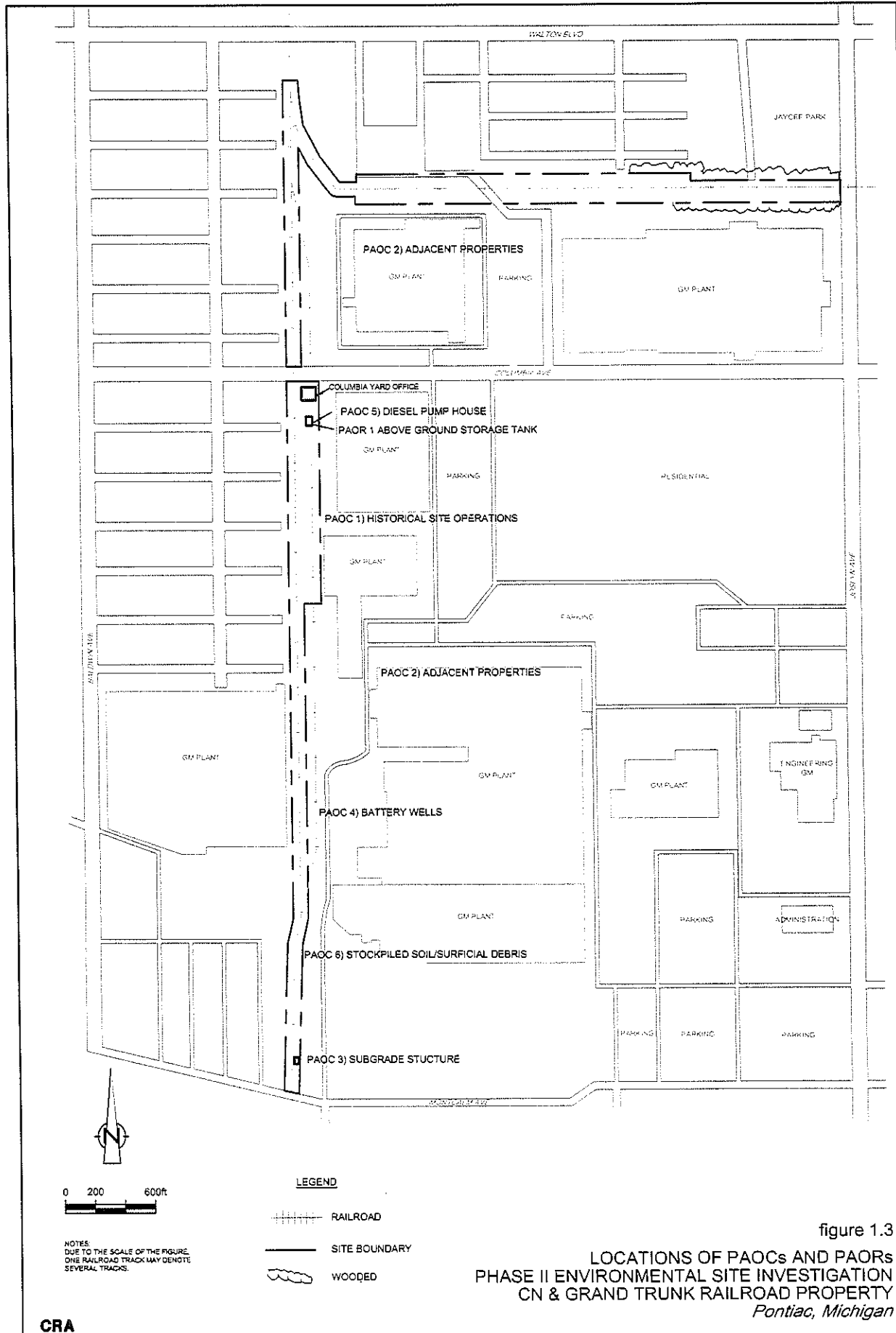
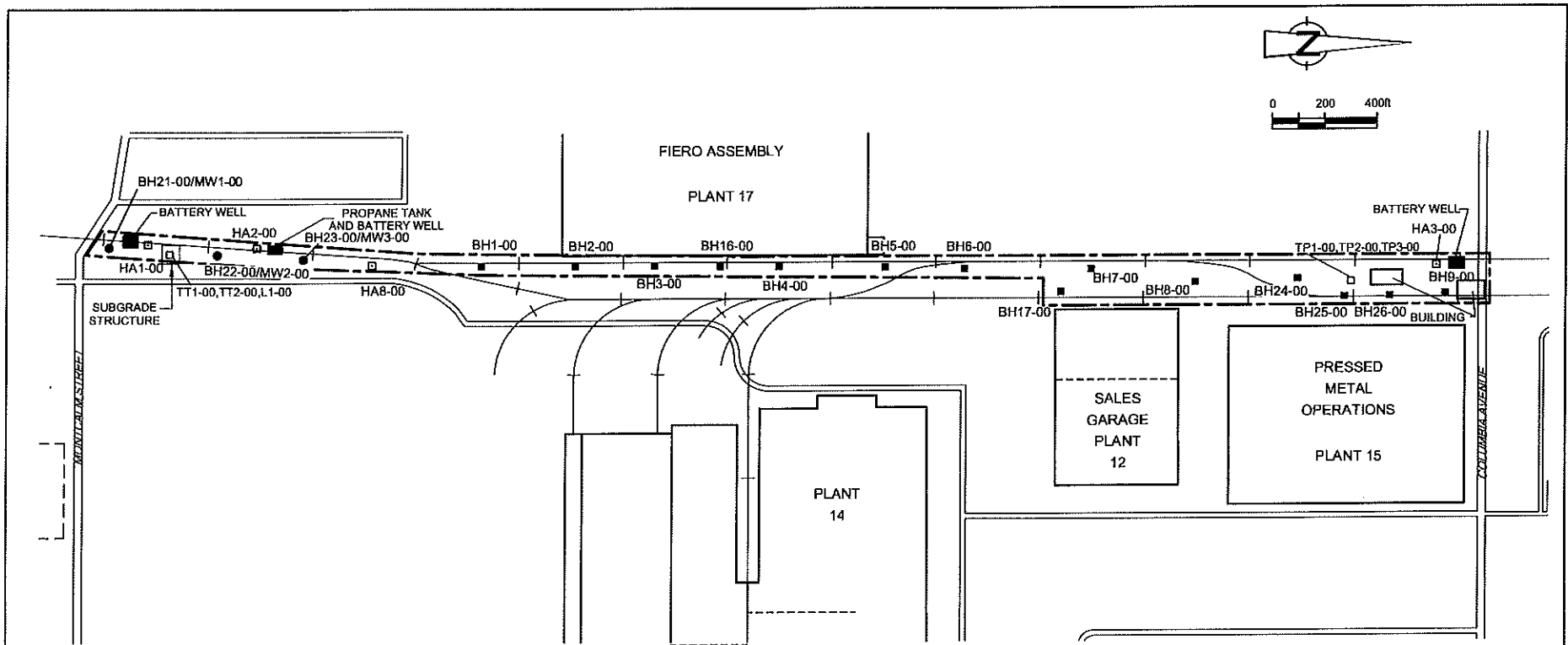


figure 1.3
 LOCATIONS OF PAOCs AND PAORs
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN & GRAND TRUNK RAILROAD PROPERTY
 Pontiac, Michigan



LEGEND

- ESTIMATED PROPERTY BOUNDARY
- L1-00 APPROXIMATE LIQUID SAMPLE LOCATION
- MW1-00 APPROXIMATE MONITORING WELL LOCATION
- HA1-00 APPROXIMATE HAND AUGER LOCATION
- BH1-00 APPROXIMATE SOIL BORING LOCATION
- TT2-00 APPROXIMATE TEST TRENCH LOCATION

figure 2.1

APPROXIMATE SAMPLE LOCATIONS-PARCEL A
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN & GRAND TRUNK RAILROAD PROPERTY
 Pontiac, Michigan

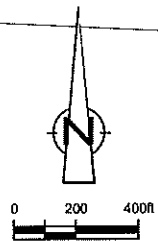
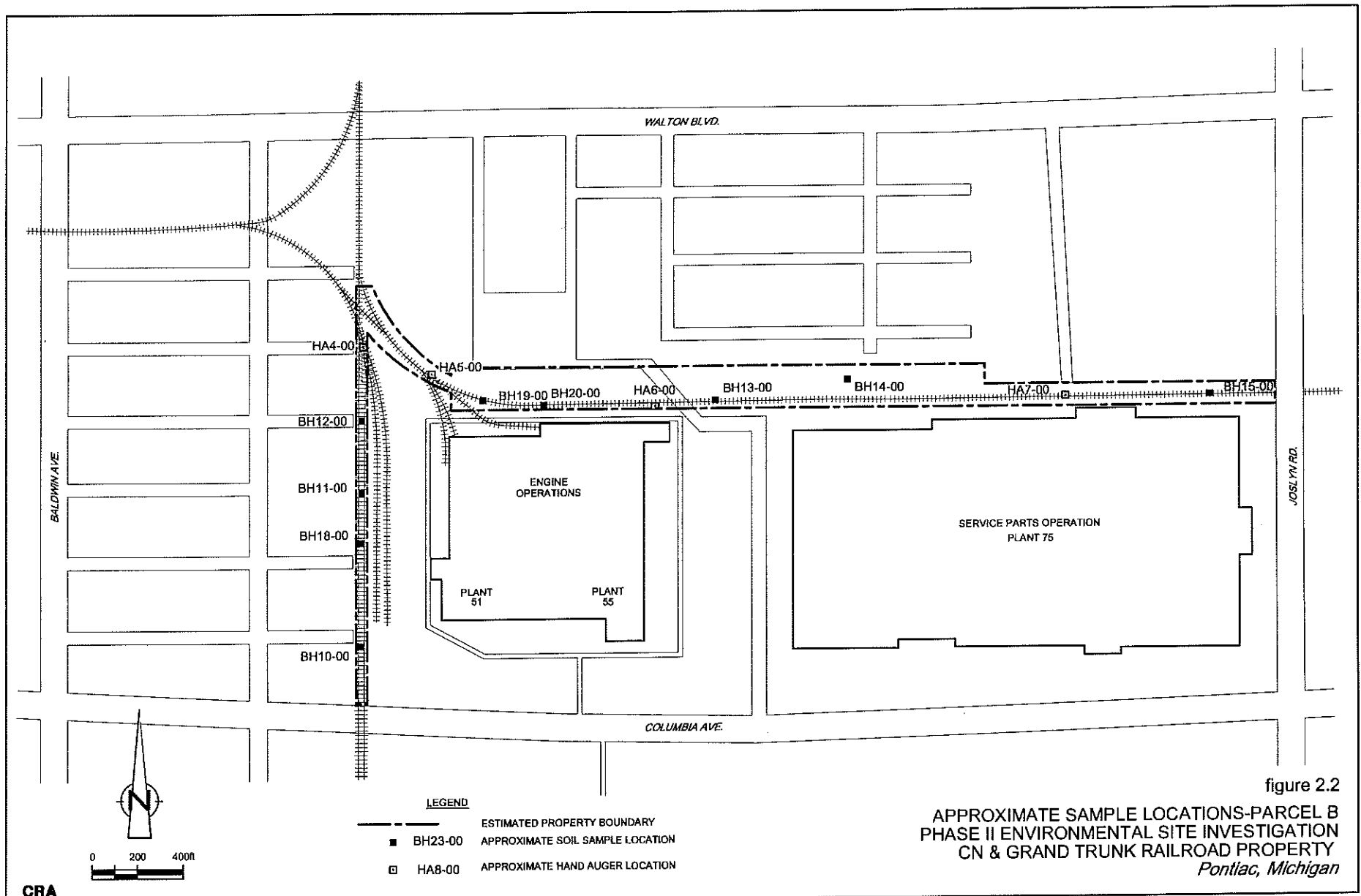


TABLE 2.1

SUMMARY OF PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Potential Area of Concern	Proposed Phase II Follow-up Activity	Number of samples /Soil Boreholes	Sample Matrix	Sample Interval	Analysis
i) Historical Site Operations	Soil Borehole	15/15	Soil	0 to 15 feet bgs	TCL VOCs, PNAs, PCBs, RCRA metals
ii) Adjacent Properties	Soil Borehole	5/5	Soil	0 to 15 feet bgs	TCL VOCs, PNAs, PCBs, RCRA metals
	Soil Borehole	3/3	Soil	0 to 35 feet bgs	TCL VOCs, PNAs, PCBs, RCRA metals
	Temporary Monitoring Well	3/0 ⁽¹⁾	Groundwater	screened to straddle the water table	TCL VOCs, SVOCs, PCBs, RCRA metals

Notes:

bgs - Below Ground Surface

TCL VOCs - Target Compound List Volatile Organic Compounds

PNAs - Polynuclear Aromatic Hydrocarbons

PCBs - Polychlorinated Biphenyls

RCRA - Resource Conservation and Recovery Act

⁽¹⁾ Temporary monitoring wells will be installed in three of the existing soil boreholes.

TABLE 2.1

SUMMARY OF PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Potential Area of Concern	Proposed Phase II Follow-up Activity	Number of samples /Soil Boreholes	Sample Matrix	Sample Interval	Analysis
iii) Subgrade Structure	Test Trench	2/2	Soil	0 to 10 feet bgs	TCL VOCs, TCL PNAs, RCRA metals
	Liquid Sample	1/0 ⁽²⁾	Liquid	--	TCL VOCs, TCL SVOCs, RCRA metals
iv) Battery Wells	Hand Auger Soil Borehole	7/7	Soil	0 to 1 feet bgs	RCRA metals

Notes:

- bgs - Below Ground Surface
- TCL VOCs - Target Compound List Volatile Organic Compounds
- TCL SVOCs - Target Compound List Semi-Volatile Organic Compounds
- PNAs - Polynuclear Aromatic Hydrocarbons
- PCBs - Polychlorinated Biphenyls
- RCRA - Resource Conservation and Recovery Act
- ⁽²⁾ Liquid sample will be collected from existing subgrade structure.
- Depth to liquid in subgrade structure is unknown.

TABLE 2.1

SUMMARY OF PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Potential Area of Concern	Proposed Phase II Follow-up Activity	Number of samples /Soil Boreholes	Sample Matrix	Sample Interval	Analysis
v) Diesel Pump House	Soil Borehole	3/3	Soil	0 to 15 feet bgs	TCL VOCs, PNAs, PCBs, RCRA metals
	Test Trench	3/3	Soil	0 to 10 feet bgs	TCL VOCs, PNAs, PCBs, RCRA metals
vi) Stockpiled Soil/ Surficial Debris	Hand Auger Soil Borehole	1/1	Soil	0 to 2 feet bgs	TCL VOCs, TCL SVOCs, PCBs, RCRA metals

Notes:

- bgs - Below Ground Surface
- TCL VOCs - Target Compound List Volatile Organic Compounds
- TCL SVOCs - Target Compound List Semi-Volatile Organic Compounds
- PNAs - Polynuclear Aromatic Hydrocarbons
- PCBs - Polychlorinated Biphenyls
- RCRA - Resource Conservation and Recovery Act

TABLE 2.2

SAMPLE KEY
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<u>Sample Identification</u>	<u>Sample Location</u>	<u>PAOC</u>	<u>Sample Depth (ft bgs)</u>	<u>Notes</u>	<u>Sample Analysis</u>
<u>Soil Samples</u>					
S-14876-081500-DRD-001	HA1-00	4	0-1		Metals
S-14876-081500-JJB-002	BH21-00/MW1-00	2	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081500-JJB-003	HA2-00	4	0-1		Metals
S-14876-081600-JJB-004	HA3-00	4	0-1		Metals
S-14876-081600-JJB-005	HA4-00	4	0-1		Metals
S-14876-081600-JJB-006	HA5-00	4	0-1		Metals
S-14876-081600-JJB-007	BH22-00/MW2-00	2	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081600-DRD-008	BH23-00/MW3-00	2	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-009	BH9-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-100	TP1-00	5	5		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-102	TP2-00	5	0-2.5		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-103	TP3-00	5	0-2.5		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-104	TT1-00	3	7.5		TCL VOCs, SVOCs, RCRA Metals
S-14876-081700-JJB-105	TT2-00	3	2-3		TCL VOCs, SVOCs, RCRA Metals
S-14876-081700-JJB-010	BH10-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-011	BH26-00		8-10		VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-012	BH25-00	5	0-2		VOCs, PCBs, PNAs, RCRA Metals

TABLE 2.2

SAMPLE KEY
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<u>Sample Identification</u>	<u>Sample Location</u>	<u>PAOC</u>	<u>Sample Depth (ft bgs)</u>	<u>Notes</u>	<u>Sample Analysis</u>
<u>Soil Samples (continued)</u>					
S-14876-082100-JJB-021	BH1-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082100-JJB-022	BH17-00	2	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082100-JJB-023	BH7-00	1	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082100-JJB-024	BH8-00	1	6-8		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082100-JJB-025	BH24-00	5	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082100-JJB-026	BH19-00 *	2	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-027	BH20-00	2	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-028	BH13-00	1	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-029	BH12-00	1	6-8		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-030	BH11-00	1	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-031	BH18-00	2	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-032	BH6-00	1	0-2		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-033	BH5-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-034	BH4-00	1	0-1		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-035	BH16-00	2	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-036	BH3-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-037	BH2-00	1	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-038	BH15-00	1	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-039	BH15-00	1	8-10	Duplicate	TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-040	BH14-00	1	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals

TABLE 2.2

SAMPLE KEY
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<u>Sample Identification</u>	<u>Sample Location</u>	<u>PAOC</u>	<u>Sample Depth (ft bgs)</u>	<u>Notes</u>	<u>Sample Analysis</u>
<u>Soil Samples (continued)</u>					
S-14876-082300-JJB-200	HA7-00	4	0-2		RCRA Metals
S-14876-082300-JJB-201	HA6-00	4	0-2		RCRA Metals
S-14876-082300-JJB-202	HA8-00	6	0-1		TCL VOCs, PNAs, PCBs, RCRA Metals
S-14876-082300-JJB-203	HA8-00	6	0-1	Duplicate	TCL VOCs, PNAs, PCBs, RCRA Metals
<u>Water Samples</u>					
W-14876-082300-JJB-101	Subgrade Structure	3	NA		TCL VOCs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-001	MW1-00	2	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-002	MW3-00	2	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-003	MW3-00	2	NA	Duplicate	TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-004	MW2-00	2	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals

Notes:

bgs - Below Ground Surface

TCL - Target Compound List

VOCs - Volatile Organic Compounds

SVOCs - Semivolatile Organic Compounds

PCBs - Polychlorinated Biphenyls

RCRA Metals - Resource Conservation and Recovery Act metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)

* Sample was not analyzed for metals due to insufficient soil recovery.

PAOC - 1: Historical Site Operations

2: Adjacent Properties

3: Subgrade Structure

4: Battery Wells

5: Diesel Pump House

6: Stockpiled Soil/Surficial Debris

NA- Not Applicable

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	HA1-00	BH21-00/MW1-00	HA2-00	HA3-00	HA4-00	HA5-00
Sample ID (S-14876-)	081500-DRD-001	081500-JJB-002	081500-JJB-003	081600-JJB-004	081600-JJB-005	081600-JJB-006			
Sample Depth (ft bgs)	0-1	4-6	0-1	0-1	0-1	0-1			
Date Sampled	8/15/00	8/15/00	8/15/00	8/15/00	8/16/00	8/16/00			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Parameter									
RCRA metals (mg/kg)									
Arsenic	2000	7.6	61	66.4	3.01	30.8	3.93	8.04	3.8
Barium	1,000,000	37,000	250,000	39.2	18.6	31.1	61	41.7	51.6
Cadmium	230,000	550	4,100	0.446	0.131	0.392	0.271	0.304	0.218
Chromium	140,000	2,500	17,000	18.4	15.5	16.6	35.7	35.2	26.8
Lead	ID	400	900	70	6.48	55.8	45.5	48.5	14.8
Mercury (Inorganic)	47	160	1,100	ND (2.13)	ND (2.39)	ND (2.12)	ND (2.36)	ND (2.34)	ND (2.29)
Selenium	78,000	2,600	18,000	1.02	ND (0.597)	ND (0.53)	ND (0.59)	ND (0.585)	ND (0.573)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

ND () - Parameter not detected above the reported detection limit in the parenthesis

ID - Inadequate data to develop criterion

Boxed results represent exceedances

Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	BH22-00 081600-JJB-007	BH23-00 081600-JJB-008	BH19-00 081700-JJB-009	BH10-00 081700-JJB-010	BH26-00 081700-JJB-011	BH25-00 081700-JJB-012
Sample ID (S-14876-)	Contact	Direct	Direct	2-4	4-6	2-4	2-4	8-10	0-2
Sample Depth (ft bgs)	Protection	Contact	Contact	8/16/00	8/16/00	8/17/00	8/17/00	8/17/00	8/17/00
Date Sampled	Criteria (1)	Criteria (1)	Criteria (1)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Units									
Parameter									
RCRA metals (mg/kg)									
Arsenic	2000	7.6	61	7.36	6.43	5.05	5.08	6.06	9.59
Barium	1,000,000[D]	37,000	250,000	18.5	15.5	62.6	71.6	39	42.8
Cadmium	230,000	550	4,100	0.378	0.168	0.541	0.24	0.266	0.331
Chromium	140,000	2,500	17,000	12.7	25	36.8	47.8	47.5	39.6
Lead	ID	400	900	13.4	8.06	44	10.1	8.76	201
Mercury (Inorganic)	47	160	1,100	ND (2.1)	ND (2.4)	0.094	ND (0.033)	ND (0.033)	8.1
Selenium	78,000	2,600	18,000	ND (0.525)	ND (0.599)	0.907	ND (0.6)	0.635	0.635

Notes:

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TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	TP1-00	TP2-00	TP3-00	TT1-00	TT2-00	BH1-00
Sample ID (S-14876-)	081700-JJB-100	081700-JJB-102	081700-JJB-103	081700-JJB-104	081700-JJB-105	082100-JJB-021			
Sample Depth (ft bgs)	Contact	Direct	Direct	5	0-2.5	0-2.5	7.5	2-3	2-4
Date Sampled	Protection	Contact	Contact	8/17/00	8/17/01	8/17/02	8/17/03	8/17/00	8/21/00
Units	Criteria (1)	Criteria (1)	Criteria (1)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Parameter									
RCRA metals (mg/kg)									
Arsenic	2000	7.6	61	4	4.28	3.51	4.84	15.2	4
Barium	1,000,000[D]	37,000	250,000	42.2	41.6	13.4	34.6	64.7	29.7
Cadmium	230,000	550	4,100	0.223	0.26	0.0784	0.195	0.272	0.224
Chromium	140,000	2,500	17,000	51	79.8	25.4	36	28.4	7.14
Lead	ID	400	900	9.2	18.7	5.84	15.9	84.4	5.97
Mercury (Inorganic)	47	160	1,100	ND (0.033)	ND (0.033)	ND (0.033)	ND (0.033)	0.14	ND (2.24)
Selenium	78,000	2,600	18,000	ND (0.62)	0.618	ND (0.56)	ND (0.609)	0.946	ND (0.56)

Notes:

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Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location			Industrial &	BH17-00	BH7-00	BH8-00	BH24-00	BH19-00
Sample ID (S-14876-)	Groundwater	Residential	Commercial II	082100-JJB-022	082100-JJB-023	082100-JJB-024	082100-JJB-025	082100-JJB-026
Sample Depth (ft bgs)	Contact	Direct	Direct	4-6	4-6	6-8	4-6	4-6
Date Sampled	Protection	Contact	Contact	8/21/00	8/21/00	8/21/00	8/21/00	8/21/00
Units	Criteria (1)	Criteria (1)	Criteria (1)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Parameter								
RCRA metals (mg/kg)								
Arsenic	2000	7.6	61	5.37	2.22	2.79	3.76	2.87
Barium	1,000,000(D)	37,000	250,000	49.5	10.7	37.1	38.9	12.9
Cadmium	230,000	550	4,100	0.507	0.133	0.145	0.202	0.0756
Chromium	140,000	2,500	17,000	16.7	4.01	8.44	8.95	6.77
Lead	ID	400	900	43	5.81	8.75	6.13	3.23
Mercury (Inorganic)	47	160	1,100	ND (2.36)	ND (2.21)	ND (2.24)	ND (2.25)	ND (2.52)
Selenium	78,000	2,600	18,000	ND (0.59)	ND (0.553)	ND (0.559)	ND (0.562)	ND (0.63)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

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ID - Inadequate data to develop criterion

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Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Industrial & Commercial II	BH13-00	BH12-00	BH11-00	BH18-00	BH6-00			
Sample ID (S-14876-)	082200-JJB-027	082200-JJB-028	082200-JJB-029	082200-JJB-030	082200-JJB-031	082200-JJB-032			
Sample Depth (ft bgs)	4-6	4-6	6-8	8-10	8-10	0-2			
Date Sampled	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Parameter									
RCRA metals (mg/kg)									
Arsenic	2000	7.6	61	1.5	9.84	5.56	2.01	4.65	4.4
Barium	1,000,000(D)	37,000	250,000	25.2	28.9	34.4	18.4	39.1	28.7
Cadmium	230,000	550	4,100	0.162	0.15	0.208	0.162	0.17	0.25
Chromium	140,000	2,500	17,000	8.39	12.3	11.3	6.28	9.4	6.67
Lead	ID	400	900	8.34	13.4	5.97	5.99	7.27	5.54
Mercury (Inorganic)	47	160	1,100	ND (2.31)	ND (2.31)	ND (2.45)	ND (2.31)	ND (2.43)	ND (2.28)
Selenium	78,000	2,600	18,000	ND (0.579)	ND (0.579)	ND (0.612)	ND (0.579)	ND (0.608)	ND (0.569)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

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ID - Inadequate data to develop criterion

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Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	BH5-00	BH4-00	BH16-00	BH3-00	BH2-00
Sample ID (S-14876-)	082200-JJB-033	082200-JJB-034	082200-JJB-035	082200-JJB-036	082200-JJB-037			
Sample Depth (ft bgs)	2-4	0-1	2-4	2-4	2-4	2-4	2-4	2-4
Date Sampled	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00	8/22/00
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Parameter								
RCRA metals (mg/kg)								
Arsenic	2000	7.6	61	1.65	2.27	1.69	3.37	39.3
Barium	1,000,000{D}	37,000	250,000	6.42	10.8	52	43.4	43.5
Cadmium	230,000	550	4,100	0.127	0.0717	0.513	0.158	0.475
Chromium	140,000	2,500	17,000	3.49	5.29	14.4	11.4	6.07
Lead	ID	400	900	3.6	4.04	42.2	8.47	40.8
Mercury (Inorganic)	47	160	1,100	ND (2.12)	ND (2.39)	ND (2.44)	ND (2.25)	ND (2.44)
Selenium	78,000	2,600	18,000	ND (0.531)	ND (0.597)	ND (0.611)	ND (0.564)	ND (0.609)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

ND () - Parameter not detected above the reported detection limit in the parenthesis

ID - Inadequate data to develop criterion

Boxed results represent exceedances

Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	BH15-00	BH15-00 (Dup.)	BH14-00	HA7-00	HA6-00
Sample ID (S-14876-)	082300-JJB-038	082300-JJB-039	082300-JJB-040	082300-JJB-200	082300-JJB-201			
Sample Depth (ft bgs)	8-10	8-10	4-6	0-2	0-2			
Date Sampled	8/23/00	8/23/00	8/23/00	8/23/00	8/23/00			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Parameter								
RCRA metals (mg/kg)								
Arsenic	2000	7.6	61	6.18	10.3	4.01	3.55	1.58
Barium	1,000,000[D]	37,000	250,000	43	29.2	21.4	66.4	144
Cadmium	230,000	550	4,100	0.117	0.126	0.132	0.289	0.114
Chromium	140,000	2,500	17,000	6.38	5.05	9.73	16	11.5
Lead	ID	400	900	5.87	5.76	6.44	13.1	11.4
Mercury (Inorganic)	47	160	1,100	ND (2.13)	ND (2.10)	ND (2.4)	ND (2.89)	ND (2.27)
Selenium	78,000	2,600	18,000	ND (0.531)	ND (0.526)	ND (0.6)	ND (0.724)	ND (0.568)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

ND () - Parameter not detected above the reported detection limit in the parenthesis

ID - Inadequate data to develop criterion

Boxed results represent exceedances

Dup. - Duplicate sample for this location

TABLE 3.1
 SUMMARY OF RCRA METALS DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<i>Sample Location</i>	<i>Groundwater</i>	<i>Residential</i>	<i>Industrial & Commercial II</i>	<i>HA8-00 082300-JJB-202</i>	<i>HA8-00 (Dup.) 082300-JJB-203</i>
<i>Sample ID (S-14876-)</i>					
<i>Sample Depth (ft bgs)</i>	<i>Contact</i>	<i>Direct</i>	<i>Direct</i>	<i>0-1</i>	<i>0-1</i>
<i>Date Sampled</i>	<i>Protection</i>	<i>Contact</i>	<i>Contact</i>	<i>8/23/00</i>	<i>8/23/00</i>
<i>Units</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>mg/kg</i>	<i>mg/kg</i>
<i>Parameter</i>					
<i>RCRA metals (mg/kg)</i>					
Arsenic	2000	7.6	61	7.57	7.63
Barium	1,000,000(D)	37,000	250,000	76.6	75.2
Cadmium	230,000	550	4,100	0.706	0.843
Chromium	140,000	2,500	17,000	20.8	18.6
Lead	ID	400	900	218	217
Mercury (Inorganic)	47	160	1,100	ND (2.17)	ND (2.16)
Selenium	78,000	2,600	18,000	0.859	1.04

Notes:

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Boxed results represent exceedances

Dup. - Duplicate sample for this location

TABLE 3.2

SUMMARY OF PNAs DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

Sample Location	Groundwater	Residential	Industrial & Commercial II	BH2-00	BH16-00	BH17-00	HA8-00	HA8-00 (Dup.)
Sample ID (S-14876-)				082200-JJB-037	082200-JJB-035	082100-JJB-022	082300-JJB-202	082300-JJB-203
Sample Depth (ft bgs)	Contact	Direct	Direct	2-4	2-4	4-6	0-1	0-1
Date Sampled	Protection	Contact	Contact	8/22/00	8/22/00	8/21/00	8/23/00	8/23/00
Units	Criteria (1)	Criteria (1)	Criteria (1)	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Parameter								
PNAs (ug/kg)								
Benzo(a)anthracene {Q}	NLL	20,000	100,000	900	ND (400)	970	670	820
Benzo(b)fluoranthene {Q}	NLL	20,000	100,000	840	ND (400)	1,500	850	1,400
Benzo(k)fluoranthene {Q}	NLL	200,000	1,000,000	ND (800)	ND (400)	1,200	760	1,100
Benzo(g,h,i)perylene	NLL	2,500,000	9,100,000	ND (800)	ND (400)	910	740	710
Benzo(a)pyrene {Q}	NLL	2,000	10,000	ND (800)	ND (400)	1,100	650	970
Chrysene {Q}	NLL	2,000,000	10,000,000	1200	ND (400)	930	800	1100
Fluoranthene	730,000	46,000,000	180,000,000	1800	450	1,200	890	1300
Indeno(1,2,3-cd)pyrene {Q}	NLL	20,000	100,000	ND (800)	ND (400)	780	860	690
2-Methylnaphthalene	5,500,000	8,100,000	40,000,000	3300	ND (400)	ND (390)	ND (360)	430
Naphthalene	2,100,000	16,000,000	80,000,000	2200	ND (400)	ND (390)	ND (360)	ND (360)
Phenanthrene	1,100,000	1,600,000	8,000,000	2600	ND (400)	ND (390)	540	690
Pyrene	480,000	29,000,000	110,000,000	1500	ND (400)	1,000	790	1400

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

ND () - Parameter not detected above the reported detection limit in the parenthesis

NLL - Chemical is not likely to leach under most soil conditions

TABLE 3.3

SUMMARY OF TCL VOCs DETECTED IN SOIL SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<i>Sample Location</i>	<i>Groundwater</i>	<i>Residential</i>	<i>Industrial & Commercial II</i>	<i>HA8-00 082300-JJB-202</i>	<i>HA8-00 (Dup.) 082300-JJB-203</i>
<i>Sample ID (S-14876-)</i>					
<i>Sample Depth (ft bgs)</i>	<i>Contact</i>	<i>Direct</i>	<i>Direct</i>	<i>0-1</i>	<i>0-1</i>
<i>Date Sampled</i>	<i>Protection</i>	<i>Contact</i>	<i>Contact</i>	<i>8/23/00</i>	<i>8/23/00</i>
<i>Units</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>ug/kg</i>	<i>ug/kg</i>
Parameter					
TCL VOCs (ug/kg)					
Ethylbenzene	140,000	140,000	140,000	120	110
Toluene	250,000	250,000	250,000	420	380
Xylenes (Total)	150,000	150,000	150,000	820	830

Notes:
 (1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

TABLE 3.4

SUMMARY OF RCRA METALS DETECTED IN WATER SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<i>Sample Location</i>				<i>Subgrade Structure</i>	<i>MW3-00</i>
<i>Sample ID (S-14876-082300)</i>	<i>Residential</i>	<i>Industrial &</i>		<i>JJB-101</i>	<i>BJE-002</i>
<i>Sample Depth (ft bgs)</i>	<i>& Commercial I</i>	<i>Commercial II, III & IV</i>	<i>Groundwater</i>	--	--
<i>Date Sampled</i>	<i>Drinking Water</i>	<i>Drinking Water</i>	<i>Contact</i>	<i>8/23/00</i>	<i>8/23/00</i>
<i>Units</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>ug/L</i>	<i>ug/L</i>
Parameter					
RCRA metals (ug/L)					
Arsenic	50	50	4,300	17.1	6.22
Cadmium	5	5	190,000	1.1	ND (0.5)
Lead	4	4	ID	76.4	ND (3.0)

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

-- - Not Applicable

ID - Inadequate data to develop criterion

Boxed results represent exceedances

TABLE 3.5

SUMMARY OF TCL SVOCs DETECTED IN WATER SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<i>Sample Location</i>				<i>Subgrade Structure</i>
<i>Sample ID (S-14876-082300)</i>	<i>Residential</i>	<i>Industrial &</i>		<i>JJB-101</i>
<i>Sample Depth (ft bgs)</i>	<i>& Commercial I</i>	<i>Commercial II, III & IV</i>	<i>Groundwater</i>	<i>--</i>
<i>Date Sampled</i>	<i>Drinking Water</i>	<i>Drinking Water</i>	<i>Contact</i>	<i>8/23/00</i>
<i>Units</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>ug/L</i>
<i>Parameter</i>				
<i>SVOCs (ug/L)</i>				
<i>Fluoranthene</i>	210	210	210	5

Notes:
 (1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000
 -- Not Applicable

TABLE 3.6

SUMMARY OF TCL VOCs DETECTED IN WATER SAMPLES
 PHASE II ENVIRONMENTAL SITE INVESTIGATION
 CN AND GRAND TRUNK RAILROAD PROPERTY
 PONTIAC, MICHIGAN

<i>Sample Location</i>				<i>MW1-00</i>	<i>MW3-00</i>	<i>MW3-00 (Dup.)</i>
<i>Sample ID (GW-14876-082300-BJE)</i>	<i>Residential</i>	<i>Industrial &</i>		<i>001</i>	<i>002</i>	<i>003</i>
<i>Sample Depth (ft bgs)</i>	<i>& Commercial I</i>	<i>Commercial II, III & IV</i>	<i>Groundwater</i>	--	--	--
<i>Date Sampled</i>	<i>Drinking Water</i>	<i>Drinking Water</i>	<i>Contact</i>	<i>8/23/00</i>	<i>8/23/00</i>	<i>8/23/00</i>
<i>Units</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>Criteria (1)</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>
Parameter						
SVOCs (ug/L)						
Vinyl Chloride	2	2	570	ND (1)	63	61
cis-1,2-Dichloroethene	70	70	200,000	ND (1)	68	68
trans-1,2-Dichloroethene	100	100	220,000	2	76	73

Notes:

(1) Michigan Department of Environmental Quality (MDEQ), Environmental Response Division (ERD), Part 201 Generic Cleanup Criteria, Op. Memo #18, June 7, 2000

-- - Not Applicable

ND () - Parameter not detected above the reported limit in the parenthesis.

Boxed results represent exceedances


APPENDIX A
STRATIGRAPHIC LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-015)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-1-00
 DATE COMPLETED: AUGUST 21, 2000
 DRILLING METHOD: 4X" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE				
				NUMBER	STATE	'N' VALUE	PI0 (ppm)	
	GROUND SURFACE	0.00						
-2.5	GM-SILTY GRAVELS, traces of clay, loose, medium grained, sand, gravel, black, moist			1SS	X	16	NA	
				2SS	X	31	NA	
-5.0	CL-CLAY, low plasticity, trace gravel/sand, brown, dry, no odor	-4.0			3SS	X	30	NA
	SM-SILTY SAND, no odor, moist, brown	-5.4			4SS	X	17	NA
-7.5	CL-CLAY, silty sand, no odor, very moist, brown	-6.0			5SS	X	13	NA
	SM-SILTY SAND, no odor, wet, brown	-8.0			8SS	X	9	NA
-10.0	CH-SANDY CLAY, high plasticity, brown, wet, no odor	-10.0			7SS	X	15	NA
-12.5								
-15.0	END OF HOLE @ 14.0ft BGS	-14.0						
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇ STATIC WATER LEVEL ∇

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-01)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-2-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, trace sand, loose, fine coarse grained, poorly graded, black, moist, trace coal - brown	-2.0	 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	12	NA
	SM-SILTY SAND, compact, fine grained, poorly graded, orange, moist - brown			2SS	X	26	NA
-5.0	CL-SILTY CLAY, soft, low plasticity, grey, moist	-5.0		3SS	X	8	NA
-7.5	SM-SILTY SAND, compact, very fine gravel, poorly graded, beige, very moist	-7.0		4SS	X	37	NA
-10.0				5SS	X	19	NA
-12.5	- with silt, wet			6SS	X	12	NA
-14.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	3	NA
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-02)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-3-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY SAND, gravel, loose, fine grained, poorly graded, grey, moist			1SS	X	11	NA
				2SS	X	5	NA
-5.0	CL-SILTY CLAY, trace sand, soft, low plasticity, brown/grey, mottled, moist - with silt, trace sand, stiff	-2.5		3SS	X	22	NA
-7.5				4SS	X	15	NA
-10.0	SM-SILTY SAND, compact, fine graded, poorly graded, grey, wet	-9.6		5SS	X	16	NA
-12.5	- brown and grey			6SS	X	15	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	12	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-03)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-4-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	MH-SILT, with fine sand, loose, very fine grained, poorly graded, brown, very moist	-2.0	 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	7	NA
-5.0	SM-SILTY SAND, loose, fine grained, poorly graded, brown, moist, slight odor - very loose			2SS	X	14	NA
-7.5				3SS	X	8	NA
-10.0				4SS	X	8	NA
-12.5				9SS	X	6	NA
-15.0				6SS	X	7	NA
-17.5				7SS	X	5	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-04)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-5-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, with sand, loose, fine to coarse grained, poorly graded, gray, moist, slight odor	-1.0	 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	10	NA
	SM-SAND, with silt/silty sand, loose, fine grained, poorly graded, beige, moist, slight odor			2SS	X	14	NA
-5.0				3SS	X	13	NA
-7.5				4SS	X	18	NA
				5SS	X	16	NA
-10.0	MH-SANDY SILT, loose, fine grained, poorly graded, brown, very moist - very fine grained	-9.6		6SS	X	17	NA
-12.5	SM-SAND, trace to with silt, compact, fine grained, poorly graded, beige, moist	-12.6		7SS	X	23	NA
-15.0				8SS	X	19	NA
-17.5	END OF HOLE @ 16.0ft BGS	-16.0					
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-05)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-6-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, trace sand, loose, fine grained, poorly graded, brown, moist, slight odor	-2.5	 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	8	NA
	SC-SANDY CLAY, with silt, loose, fine grained, poorly graded, brown and gray, very moist	-4.5		2SS	X	8	NA
-5.0	CL-SILTY CLAY, soft, medium plasticity, brown, moist	-7.5		3SS	X	4	NA
-7.5	SM-SILTY SAND, loose, fine grained, poorly graded, moist, orange color - light brown - with silt/silt sand			4SS	X	8	NA
-10.0				5SS	X	4	NA
-12.5				6SS	X	8	NA
-15.0				7SS	X	6	NA
-16.0		-16.0		8SS	X	14	NA
-17.5	END OF HOLE @ 16.0ft BGS						
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-016)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-7-00
 DATE COMPLETED: AUGUST 21, 2000
 DRILLING METHOD: 4 1/2" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	ROCK BLOCKAGE		 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	21	NA
				2SS	X	--	1.6
-5.0	GM-SILTY GRAVEL, black, dry	-4.0		3SS	X	34	10.7
	SM-SILTY SAND, light brown, dry, slight gasoline odor, fine, dry	-4.6		4SS	X	32	20.5
-7.5				5SS	X	19	9.7
-10.0				6SS	X	42	1.5
-12.5				7SS	X	29	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-017)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
PROJECT NUMBER: 14876
CLIENT: GENERAL MOTORS CORPORATION
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-8-00
DATE COMPLETED: AUGUST 21, 2000
DRILLING METHOD: 4X" HSA
CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	GM-SILTY GRAVEL	-1.0	 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	5	NA
	CH-SILTY CLAY, brown, several staining	-2.0		2SS	X	8	NA
-2.5	CL-CLAY, medium plasticity, dark, dry			3SS	X	18	NA
-5.0				4SS	X	15	NA
-7.5				5SS	X	28	NA
-10.0				6SS	X	34	NA
	SM-SILTY SAND, light brown, poorly graded, fine, dry, no odor	-10.6		7SS	X	24	NA
-12.5							
	END OF HOLE @ 14.0ft BGS	-14.0					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ STATIC WATER LEVEL ∇

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-06)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-9-00
 DATE COMPLETED: AUGUST 17, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PI0 (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, trace sand, loose, fine grained, poorly graded, brown, moist, slight odor	-2.5	 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	8	NA
	SC-SANDY CLAY, with silt, loose, fine grained, poorly graded, brown and gray, very moist	-4.5		2SS	X	7	NA
-5.0	CL-SILTY CLAY, soft, medium plasticity, brown, moist	-7.5		3SS	X	11	NA
-7.5	SM-SILTY SAND, loose, fine grained, poorly graded, moist, orange color - light brown - with silt/silt sand	-10.0		4SS	X	17	NA
-10.0		-12.5		5SS	X	15	NA
-12.5		-14.0		8SS	X	28	NA
-14.0	END OF HOLE @ 14.0ft BGS			7SS	X	18	NA
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-07)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-10-00
 DATE COMPLETED: AUGUST 17, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	SM-SILTY SAND, gravel, loose, fine grained, poorly graded, dark brown, moist	-1.5		1SS	X	15	NA
	CL-CLAY, with silt, soft, medium plasticity - light brown, moist			2SS	X	8	NA
-5.0	MH-SANDY SILT, loose, fine grained, poorly graded, light beige, moist	-5.0		3SS	X	10	NA
-7.5				4SS	X	15	NA
	SM-SILTY SAND, compact, medium grained, poorly graded, brown, moist	-8.0		5SS	X	23	NA
-10.0	CL-CLAY, with silt, stiff, medium plasticity, brown, moist 1/2" sand lens	-10.0		6SS	X	19	NA
	SC-SANDY CLAY, trace silt, trace gravel, stiff, low plasticity, brown, moist			7SS	X	20	NA
-12.5				8SS	X	11	NA
-15.0	CL-CLAY, with silt, trace sand, firm, low plasticity, brown, moist	-13.0					
	END OF HOLE @ 16.0ft BGS	-16.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-018)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
PROJECT NUMBER: 14876
CLIENT: GENERAL MOTORS CORPORATION
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-11-00
DATE COMPLETED: AUGUST 22, 2000
DRILLING METHOD: 4 1/2" HSA
CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	TOPSOIL AND GRAVEL, with silt, oil staining - rock blockage	-2.0		1SS	X	11	NA
	SM-SILTY GRAVEL, silty sand, silty clay, - silty clay, brown, highly plastic, grey, moist - silty sand, fine to medium, brown, poorly graded, moist			2SS	X	2	NA
-5.0	- silty clay with sand, medium plasticity, moist, grey-brown, soft	-6.0		3SS	X	4	NA
-7.5	CL-SILTY CLAY, with sand, medium plasticity, very moist, grey-brown, soft - rock blockage			4SS	X	11	NA
-10.0	- grey, very moist, soft to firm - silty sand, medium to high plasticity, grey, very moist, soft to firm			5SS	X	14	NA
-12.5				6SS	X	13	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	9	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-019)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-12-00
 DATE COMPLETED: AUGUST 22, 2000
 DRILLING METHOD: 4 1/2" HSA
 CRA SUPERVISOR: J.BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	TOPSOIL		 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	11	NA
-2.5				2SS	X	11	NA
-5.0	CL-SILTY CLAY, trace sand, soft, medium plasticity, slightly moist, brown	-4.0		3SS	X	6	NA
-7.5	SM-SILTY SAND, poorly graded, fine to medium, brown, moist, slight odor	-7.0		4SS	X	21	NA
-10.0	CL-SILTY CLAY, trace gravel, firm, medium plasticity, dry, grey	-8.0		5SS	X	13	NA
-12.5	CI-CLAY, trace gravel, moist, soft to firm, medium plasticity, grey	-12.0		6SS	X	8	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	7	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇ STATIC WATER LEVEL ∇

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-020)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-13-00
 DATE COMPLETED: AUGUST 22, 2000
 DRILLING METHOD: 4" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	TOPSOIL		 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>				
-2.5	SM-SANDY SILT, trace gravel, brown to gray, medium to coarse, poorly graded, slightly moist	-1.0		1SS	X	7	NA
				2SS	X	8	NA
-5.0	CL-CLAY, trace of gravel, brown, medium plasticity, moist, soft to firm, faint gasoline odor - rock blockage	-4.0		3SS	X	12	NA
-7.5				4SS	X	21	NA
-10.0				5SS	X	21	NA
-12.5				6SS	X	23	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	23	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-021)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-14-00
 DATE COMPLETED: AUGUST 23, 2000
 DRILLING METHOD: 4X" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	ROCK BLOCKAGE		 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	11	NA
		-3.0		2SS	X	5	NA
-5.0	CL-CLAY, with silt, with sand, trace gravel, high plasticity, very moist, soft to very soft, grey			3SS	X	4	NA
-7.5				4SS	X	13	NA
-10.0				5SS	X	8	NA
-12.5				6SS	X	17	NA
-14.0				7SS	X	19	NA
-15.0	END OF HOLE @ 14.0ft BGS						
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇ STATIC WATER LEVEL ∇

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-022)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-15-00
 DATE COMPLETED: AUGUST 23, 2000
 DRILLING METHOD: 4" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PI0 (ppm)
	GROUND SURFACE	0.00					
	ROCK BLOCKAGE		 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>				
-2.5	CL-CLAY, medium plasticity, with gravel, trace silt, grey, dry, soft	-1.0		1SS	X	8	NA
				2SS	X	17	NA
-5.0				3SS	X	19	NA
-7.5	CL-SILTY CLAY, trace gravel, silt, grey-brown, soft to firm, medium plasticity, moist	-6.0		4SS	X	15	NA
				5SS	X	29	NA
-10.0	SM-SILTY SAND, with gravel, faint odor, fine to medium, loose, grey, slightly moist	-8.0		6SS	X	26	NA
-12.5				7SS	X	17	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-08)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-16-00
 DATE COMPLETED: AUGUST 18, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PI0 (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, very loose, fine grained, poorly graded, gray, very moist	-2.0	 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	2	NA
	CL-SILTY CLAY, soft, medium plasticity, soft, mixture of brown-grey, traces of gravel			2SS	X	5	NA
-5.0	- firm, low plasticity			3SS	X	13	NA
-7.5				4SS	X	12	NA
	MH-SILT, trace of sand, loose, fine grained, poorly graded, grey, moist, traces of gravel	-9.0		5SS	X	14	NA
-10.0	SM-SILTY SAND, loose, fine grained, poorly graded, gray, wet	-10.0		6SS	X	14	NA
-12.5				7SS	X	14	NA
-15.0				8SS	X	13	NA
-17.5	END OF HOLE @ 16.0ft BGS	-16.0					
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-023)
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PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
PROJECT NUMBER: 14876
CLIENT: GENERAL MOTORS CORPORATION
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-17-00
DATE COMPLETED: AUGUST 21, 2000
DRILLING METHOD: 4 1/2" HSA
CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, trace of sand, loose, dark brown, very wet, medium grain	-1.0		1SS	X	9	2.3
	CL-SILTY CLAY, traces of gravel (sand to gravel) - low plasticity, brown	-2.0 -3.0		2SS	X	15	0.9
-5.0	CL-SILTY GRAVEL, trace of sand, loose, dark brown, very wet, medium grain	-4.0		3SS	X	12	2.0
-7.5	SM-SILTY SAND, dry, brown, low plasticity, no odor, trace clay	-6.0		4SS	X	7	NA
	CL-SILTY CLAY, trace sand/gravel, moist, low plasticity, brown			5SS	X	7	NA
-10.0	SM-SILTY SAND, dry, brown, low plasticity, no odor, trace clay			6SS	X	5	NA
-12.5				7SS	X	5	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-024)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-18-00
 DATE COMPLETED: AUGUST 22, 2000
 DRILLING METHOD: 4 1/2" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PI0 (ppm)
	GROUND SURFACE	0.00					
-2.5	GP-GRAVEL, with sand, very loose, poorly graded, dry	-1.0	 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	10	NA
	CL-CLAY, with traces of sand, soft, low plasticity, poorly graded, brown, dry	-2.0		2SS	X	5	NA
-5.0	CI-CLAY, dry, soft, medium plasticity, poorly graded, brown-grey mix, moist			3SS	X	7	NA
-7.5				4SS	X	22	NA
-10.0	- silty sand, trace gravel, medium to fine, poorly graded, loose, brown, very moist			5SS	X	19	NA
-12.5				6SS	X	18	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	10	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-025)
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PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-19-00
 DATE COMPLETED: AUGUST 21, 2000
 DRILLING METHOD: 4X" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	TOPSOIL				X		
-2.5	SM-SILTY SAND, poorly graded, medium to coarse, light brown to brown, dry	-1.0	 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	13	NA
				2SS	X	9	NA
-5.0				3SS	X	10	NA
-7.5	CL-CLAY, medium plasticity, brown, wet, firm, trace silt	-7.0		4SS	X	13	NA
-10.0	CL-SILTY CLAY, trace sand, low plasticity, firm, grey with brown, wet, no odor	-8.0		5SS	X	6	NA
-12.5				6SS	X	9	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	4	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-026)
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PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-20-00
 DATE COMPLETED: AUGUST 22, 2000
 DRILLING METHOD: 4W" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
	TOPSOIL		 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>				
-2.5	SM-SILTY SAND, very loose, fine, structure of grey and brown, dry	-1.3 -2.0		1SS	X	4	NA
	CL-CLAY, with silt/sand, brown and grey, moist, medium plasticity, soft	-4.0		2SS	X	5	NA
-5.0	SM-SILTY SAND, very loose, fine, structure of grey and brown, dry	-6.0		3SS	X	8	NA
-7.5	SM-SAND, with clay/gravel/silt, brown, moist, medium plasticity, well graded, fine to coarse	-8.0		4SS	X	8	NA
	CL-SILTY CLAY, trace sand, grey, moist, medium plasticity, firm	-10.0		5SS	X	3	NA
-10.0	CL-CLAY, only trace sand/gravel	-10.0		6SS	X	9	NA
-12.5				7SS	X	12	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

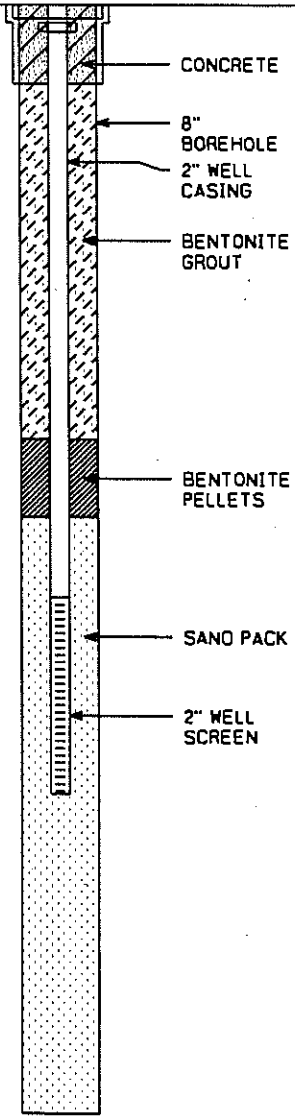
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-011)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
PROJECT NUMBER: 14876
CLIENT: GENERAL MOTORS CORPORATION
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH21-00/MW-01-00
DATE COMPLETED: AUGUST 15, 2000
DRILLING METHOD: 4 1/4" HSA
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	0.00 0.00					
-2.5	GM-SILTY SAND GRAVEL, loose, coarse grained, poorly graded, black, moist	-1.0		1SS	X	18	NA
	SM-SAND, with silt, trace gravel, loose, medium grained, poorly graded, brown, moist	-3.0		2SS	X	11	NA
-5.0	MH-SANDY SILT, trace clay, loose, very fine grained, poorly graded, brown, wet	-7.0		3SS	X	7	NA
-7.5	OL-SILTY CLAY, low plasticity, white, very moist, rootlets, white, shells, trace peat	-7.0		4SS	X	4	12.2
-10.0	- brown - white and gray mottle	-11.5		5SS	X	2	19.0
-12.5	SM-SILTY SAND, loose, fine grained, poorly graded, gray, moist	-12.0		6SS	X	7	NA
	OL-SILTY CLAY, low plasticity, brown and gray, moist, trace peat	-12.6		7SS	X	13	NA
-15.0	SM-SILTY SAND, loose, fine grained, poorly graded, gray, wet			8SS	X	10	NA
-17.5	- with silt, trace gravel - sand with silt - trace gravel, fine to medium grained - trace silt, fine grained			9SS	X	9	NA
-20.0	- trace gravel, trace silt, medium-coarse to coarse grained - fine grade, with silt - medium grained, trace silt			10SS	X	15	NA
-22.5	- coarse grained, trace silt, trace gravel - silty sand, fine grained			11SS	X	16	NA
-25.0	CI-CLAY TRACE SILT, soft, medium to high plasticity, gray, moist	-23.4		12SS	X	7	NA
-27.5	- silty clay, low plasticity - sandy clay	-28.0		13SS	X	4	NA
	END OF HOLE @ 28.0ft BGS			14SS	X	8	NA

SCREEN DETAILS
Screened Interval:
15.0 to 20.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
13.0 to 28.0ft BGS
Material: Sand

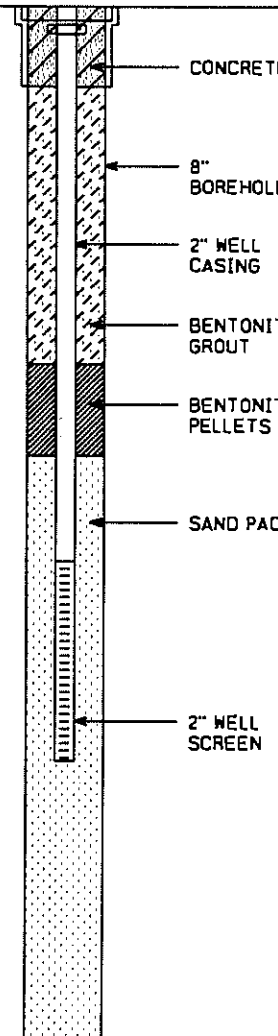
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇ STATIC WATER LEVEL ∇

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-012)
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PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
PROJECT NUMBER: 14876
CLIENT: GENERAL MOTORS CORPORATION
LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH22-00/MW-02-00
DATE COMPLETED: AUGUST 16, 2000
DRILLING METHOD: 4 1/4" HSA
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	0.00 0.00					
-2.5	GM-SILTY SAND, gravel, fine grained, loose, poorly graded, dark brown, moist, trace topsoil, rootlets - light brown, no topsoil		 <p style="margin-left: 20px;">CONCRETE</p> <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">2" WELL CASING</p> <p style="margin-left: 20px;">BENTONITE GROUT</p> <p style="margin-left: 20px;">BENTONITE PELLETS</p> <p style="margin-left: 20px;">SAND PACK</p> <p style="margin-left: 20px;">2" WELL SCREEN</p>	1SS	X	22	NA
		-3.6		2SS	X	19	NA
-5.0	CL-SILTY CLAY, soft, low plasticity, gray, moist - trace organics, trace sand, brown, medium plasticity - with sand			3SS	X	4	NA
-7.5	ML-SILT, with fine sand, soft, trace rootlets, white, very moist - trace gravel	-6.6		4SS	X	5	NA
-10.0	SM-SILTY SAND, loose, fine grained, poorly graded, brown, moist - very moist	-8.6		5SS	X	10	NA
-12.5				6SS	X	6	NA
		-13.6		7SS	X	11	NA
-15.0	ML-CLAYEY SILT, with sand, firm, low plasticity, gray, moist SP-SAND, trace silt, loose, fine grained, poorly graded, gray and brown, wet	-14.0 -14.8		8SS	X	9	NA
-17.5	SM-SILTY SAND, trace gravel, loose, fine grained, poorly graded, gray, wet	-17.0		9SS	X	12	NA
		-18.0		10SS	X	9	NA
-20.0	CL-SILTY CLAY, trace sand, trace gravel, firm, low plasticity, gray, moist SM-SILTY SAND, trace clay, loose, low plasticity, gray, wet	-19.0 -20.0		11SS	X	8	NA
-22.5	CI-CLAY, with silt, firm, medium plasticity, gray, moist - with silt, with sand, low plasticity	-21.6		12SS	X	7	NA
				13SS	X	8	NA
-25.0	MH-SILT, with clay, with sand, loose, fine grained, poorly graded, gray, moist CI-SILTY CLAY, trace fine sand, trace gravel, soft, low plasticity, gray, moist						
	END OF HOLE @ 26.0ft BGS	-26.0					
-27.5							
-30.0							
-32.5							

SCREEN DETAILS
Screened Interval:
14.0 to 19.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
11.4 to 26.0ft BGS
Material: Sand

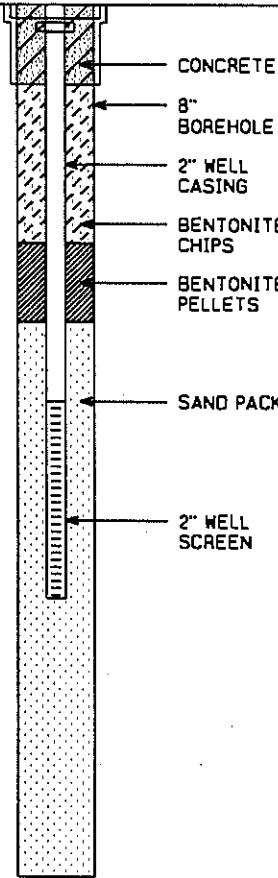
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(OL-013)
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PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH23-00/MW-03-00
 DATE COMPLETED: AUGUST 16, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	0.00 0.00					
-2.5	SM-SILTY SAND, trace gravel, trace topsoil, loose, fine grained, poorly graded, dark brown, moist MH-SANDY SILT, trace topsoil, loose, fine grained, poorly graded, dark brown, moist	-1.0	 <p style="font-size: small;">CONCRETE 8" BOREHOLE 2" WELL CASING BENTONITE CHIPS BENTONITE PELLETS SAND PACK 2" WELL SCREEN</p>	1SS	X	10	NA
-5.0	SM-SAND, with silt, loose, fine grained, poorly graded, dark gray to black, moist - trace gravel, very moist	-4.6		2SS	X	3	NA
-7.5	- trace silt			3SS	X	8	NA
-10.0	- medium grained, wet - 2" clay - sand, trace silt			4SS	X	9	NA
-12.5				5SS	X	7	NA
-15.0				6SS	X	19	NA
-17.5	CL-SILTY CLAY, soft, low plasticity, gray, moist ML-SANDY SILT, loose, very fine grained, poorly graded, gray, wet SC-SANDY CLAY, loose, fine grained, poorly graded, gray, moist	-15.0 -15.5 -16.0 -17.5		7SS	X	21	NA
-20.0	CL-SILTY CLAY, trace sand, soft, low plasticity, gray, moist			8SS	X	9	NA
-22.5	END OF HOLE @ 22.0ft BGS	-22.0		9SS	X	6	NA
-25.0				10SS	X	10	NA
-27.5				11SS	X	11	NA

SCREEN DETAILS
 Screened Interval:
 10.0 to 15.0ft BGS
 Length: 5.0ft
 Diameter: 2"
 Slot Size: #10
 Material: PVC
 Sand Pack:
 8.0 to 22.0ft BGS
 Material: Sand


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-027)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-24-00
 DATE COMPLETED: AUGUST 21, 2000
 DRILLING METHOD: 4 1/2" HSA
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PI0 (ppm)
	GROUND SURFACE	0.00					
	CM-SILTY GRAVEL, loose, wet, brown		 <p>8" BOREHOLE</p> <p>CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	10	NA
-2.5	CL-SILTY CLAY, low plasticity, brown, slightly moist, no odor	-1.3 -2.0		2SS	X	19	NA
-5.0	CL-CLAY, traces of gravel, very low plasticity, grey, dry, no odor			3SS	X	36	NA
-7.5				4SS	X	27	NA
-10.0				5SS	X	23	NA
-12.5	SM-SILTY SAND, fine, light brown, dry	-11.0		6SS	X	35	NA
-15.0	END OF HOLE @ 14.0ft BGS	-14.0		7SS	X	21	NA
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-09)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-25-00
 DATE COMPLETED: AUGUST 17, 2000
 DRILLING METHOD: 4 1/4" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SILTY GRAVEL, loose, fine grained, poorly graded, black, wet		 <p>8" BOREHOLE CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	12	8.7
		-3.0		2SS	X	9	NA
-5.0	MH-SILT, with sand, trace clay, loose, fine grained, poorly graded, light gray, moist			3SS	X	34	8.0
-7.5				4SS	X	8	12.0
	CL-SILTY CLAY, trace sands, soft, low plasticity, olive-gray, white mottle, moist	-7.5		5SS	X	9	0.3
-10.0	- trace gravel, firm			6SS	X	17	NA
-12.5	SC-SANDY CLAY, trace silt, trace gravel, loose, fine grained, poorly graded, gray, wet	-12.0		7SS	X	22	NA
	CL-SILTY CLAY, trace fine sand, trace gravel, stiff, low plasticity, olive and gray mottle, moist	-13.0		8SS	X	14	NA
-15.0	SM-SILTY SAND, loose, fine grained, poorly graded, orange, moist	-14.0					
	SC-SANDY CLAY, trace silt, stiff, low plasticity, brown, moist	-15.0					
-17.5	END OF HOLE @ 16.0ft BGS	-16.0					
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(DL-010)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

HOLE DESIGNATION: BH-26-00
 DATE COMPLETED: AUGUST 17, 2000
 DRILLING METHOD: 4 1/2" HSA
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft.	MONITOR INSTALLATION	SAMPLE			
				NUMBER	STATE	'N' VALUE	PID (ppm)
	GROUND SURFACE	0.00					
-2.5	GM-SANDY GRAVEL, silt, loose, fine grained, poorly graded, dark gray, moist	-1.0	 <p style="margin-left: 20px;">8" BOREHOLE</p> <p style="margin-left: 20px;">CUTTINGS AND BENTONITE CHIPS</p>	1SS	X	10	NA
	CL-SILTY CLAY, with sand, soft, low plasticity, light brown, moist	-2.8		2SS	X	20	NA
-5.0	MH-SANDY SILT, trace gravel, loose, fine grained, poorly graded, dark brown, moist - chunk of concrete - trace topsoil, bricks	-6.0		3SS	X	6	NA
	CL-SILTY CLAY, soft, medium plasticity, light brown, moist	-7.5		4SS	X	8	NA
-10.0	SC-SANDY CLAY, with silt, loose, fine grained, poorly graded, brown, very moist	-10.0		5SS	X	5	NA
-12.5	SM-SILTY SAND, loose, fine grained, poorly graded, brown, moist	-11.8		6SS	X	4	NA
	SC-SAND CLAY, with silt, loose, fine grained, poorly graded, brown, very moist	-13.0		7SS	X	13	NA
-15.0	SM-SILTY SAND, loose, fine grained, poorly graded, light brown - wet	-16.0		8SS	X	7	NA
-17.5	END OF HOLE @ 16.0ft BGS						
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							


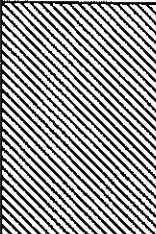
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ▼ STATIC WATER LEVEL ▼

TEST PIT STRATIGRAPHIC LOG

(DL-028)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

TEST PIT DESIGNATION: TT1-00
 DATE COMPLETED: AUGUST 17, 2000
 TEST PIT METHOD: BACKHOE
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.00						
-2.5	GM-SANDY GRAVELLY SILT, fine to coarse grain size, some bricks, concrete and rock mixed in fill	-2.0		1	0.0 - 2.0	NA		
	CI-SILTY CLAY, grey in color, traces of sand, flaky, low plasticity,			2	2.0 - 4.0	NA		
-5.0				3	4.0 - 6.0	NA		
-7.5	- steel pipe going into pit (8" in diameter), some silty clay, traces of sand, could not dig any deeper due to steel pipe			4	6.0 - 8.0	NA		
	END OF HOLE @ 8.0ft BGS	-8.0						
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								


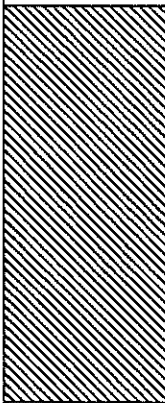
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇

TEST PIT STRATIGRAPHIC LOG

(DL-029)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

TEST PIT DESIGNATION: TT2-00
 DATE COMPLETED: AUGUST 17, 2000
 TEST PIT METHOD: BACKHOE
 CRA SUPERVISOR: J. BELL

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.00						
	GM-SANDY SILTY GRAVEL, loose, fine-coarse gravel, low plasticity, brown			1	0.0 - 2.0	2.3		
-2.5	CL-SILTY CLAY, compact, low plasticity, some sand	-2.0		2	2.0 - 4.0	NA		
-5.0	- organic silt clays, compact, low plasticity, some sand, black color - mixture of grey-brown clay - brown clay			3	4.0 - 8.0	NA		
-7.5				4	8.0 - 8.0	7.5		
-10.0	- organic clay, (about 1-2 ft) block, mixed in with grey clay			5	8.0 - 10.0	NA		
-12.5				8	10.0 - 12.0	NA		
-12.5	END OF HOLE @ 12.0ft BGS	-12.0						
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								


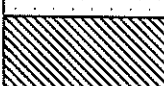


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇

TEST PIT STRATIGRAPHIC LOG

(DL-030)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

TEST PIT DESIGNATION: TP1-00
 DATE COMPLETED: AUGUST 17, 2000
 TEST PIT METHOD: BACKHOE
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.00						
-2.5	SP-SAND, with silt, compact, fine grained, poorly graded, brown, moist, slight odor - trace coal, black	-1.0		1	0.0 - 2.0	0.8		
-2.5	MH-SANDY SILT, with clay, loose, fine grained, poorly graded, brown, moist, odor	-2.5		2	2.0 - 4.0	4.4		
-5.0	SP-SAND, trace silt, loose, fine grained, poorly graded, brown, moist, odor	-3.0		3	4.0 - 8.0	5.9		
-7.5	CL-SILTY CLAY, firm, low plasticity, brown, moist, odor - oily sheen			4	8.0 - 8.0	9.2		
-10.0	END OF HOLE @ 10.0ft BGS	-10.0		5	8.0 - 10.0	9.4		
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

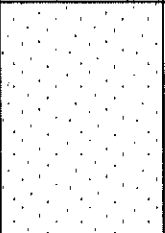
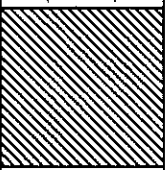
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇

TEST PIT STRATIGRAPHIC LOG

(DL-031)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

TEST PIT DESIGNATION: TP2-00
 DATE COMPLETED: AUGUST 17, 2000
 TEST PIT METHOD: BACKHOE
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.00						
-2.5	SP-SILTY SAND, loose, fine grained, poorly graded, brown, moist			1	0.0 - 2.0	NA		
-5.0				2	2.0 - 4.0	NA		
-7.5				3	4.0 - 6.0	NA		
-7.5	MH-SILT, with clay, trace sand, loose, fine grained, poorly graded, brown, moist	-6.0		4	6.0 - 8.0	NA		
-10.0		5		8.0 - 10.0	NA			
-10.0	CL-SILTY CLAY, trace sand, firm, low plasticity, brown, moist	-10.0 -10.0						
-12.5	END OF HOLE @ 10.0ft BGS							
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								


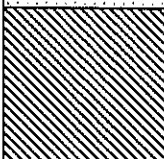


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇

TEST PIT STRATIGRAPHIC LOG

(DL-032)
Page 1 of 1

PROJECT NAME: CN AND GRAND TRUNK RAILROAD PROPERTY
 PROJECT NUMBER: 14876
 CLIENT: GENERAL MOTORS CORPORATION
 LOCATION: PONTIAC, MICHIGAN

TEST PIT DESIGNATION: TP3-00
 DATE COMPLETED: AUGUST 17, 2000
 TEST PIT METHOD: BACKHOE
 CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft.	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.00						
-2.5	SM-SILTY SAND, trace gravel, compact, fine grained, poorly graded, brown, moist			1	0.0 - 2.0	NA		
-5.0	CL-SILTY CLAY, stiff, blocky, low plasticity, brown, moist - trace sand - with sand	-2.5		2	2.0 - 4.0	NA		
-7.5	MH-SANDY SILT, trace clay, compact fine grained, poorly graded, brown, moist	-6.5		3	4.0 - 6.0	NA		
-10.0	SM-SAND, with silt, compact, fine grained, poorly graded, brown, moist END OF HOLE @ 9.5ft BGS	-9.0 -9.5		4	6.0 - 8.0	NA		
-12.5				5	8.0 - 10.0	NA		
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND ∇

APPENDIX B

LABORATORY ANALYTICAL DATA



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080625

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	9/1/00
48174-		
ph: (734) 942-0909	fax: (734) 942-3080	

Upon receipt of your sample ID "W-14876-0823-JJB-100" (SPL ID: 00080625-09) was received broken for Semivolatiles by method 8270, however, there was sufficient sample to complete analysis. A Trip Blank was received with the samples (SPL ID: 00080625-10) but was not listed on the chain of custody. Per Kathy Hasenfrantz on August 24, 2000 the laboratory analyzed the trip blank for Volatiles by method 8260. Also, for you sample ID's "S-14876-082300-JJB-200 and S-14876-082300-JJB-201" (SPL ID's: 00080625-04 and 00080625-05) the encores were not received for TCL VOA analysis but were requested on the chain of custody. Per Kathy Hasenfrantz on August. 25, 2000, the samples were not taken in the field. Therefore, the analyses were cancelled. An amended chain of custody will be faxed to reflect the change on August 25, 2000.

Your sample ID "S-14876-082300-JJB-203" (SPL ID: 00080625-07) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010B. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery was outside of the advisable quality control limits for Lead and Selenium (Batch ID: 6854-T, 6854B-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The report is for the analytical use only and is not representative of the samples submitted for testing.

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

ORIGINAL ANALYTICAL REPORT

Project#: 14876 **Lab#:** 00080625

Name: CN + Grand Trunk

Description

Event: Phase II FSA

Samples: 8 Soil (38-40) 2 water (101.00)
(200-3)

Analysis: PNA, PCB, VOC

RCRA metals

TAT: 7 days = 7 met

Lab: SPL

Checked Against Preliminary Data:

Date: 9/5/2000 **Init.:** MBC

Date of Validation Memo: _____ 9/1/00

Invoice Approval Date: _____ Date

Comments: _____

REC'D CRA
 2000
 SDG6

Sonia West
 West, Sonia
 Senior Project Manager



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080625

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	9/1/00
48174-		
ph: (734) 942-0909	fax: (734) 942-3080	

Upon receipt of your sample ID "W-14876-0823-JJB-100" (SPL ID: 00080625-09) was received broken for Semivolatiles by method 8270, however, there was sufficient sample to complete analysis. A Trip Blank was received with the samples (SPL ID: 00080625-10) but was not listed on the chain of custody. Per Kathy Hasenfrantz on August 24, 2000 the laboratory analyzed the trip blank for Volatiles by method 8260. Also, for you sample ID's "S-14876-082300-JJB-200 and S-14876-082300-JJB-201" (SPL ID's: 00080625-04 and 00080625-05) the encores were not received for TCL VOA analysis but were requested on the chain of custody. Per Kathy Hasenfrantz on August. 25, 2000, the samples were not taken in the field. Therefore, the analyses were cancelled. An amended chain of custody will be faxed to reflect the change on August 25, 2000.

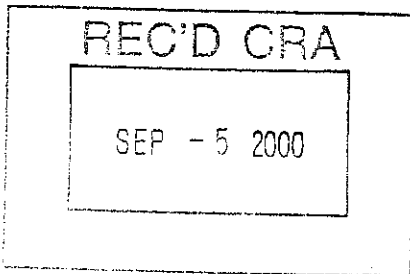
Your sample ID "S-14876-082300-JJB-203" (SPL ID: 00080625-07) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010B. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery was outside of the advisable quality control limits for Lead and Selenium (Batch ID: 6854-T, 6854B-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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



Sonia West
 West, Sonia
 Senior Project Manager

9/1/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080625

Report To: Conestoga-Rovers & Associates
 Paul Wiseman
 11100 Metro Airport Center Drive
 Suite 160
 Romulus
 MI
 48174-
 ph: (734) 942-0909 fax: (734) 942-3080

From To: Conestoga-Rovers & Associates
 Paul Wiseman fax: (734) 942-3080

Project Name: #14876, CN & Grand Trunk RR Propert
Site: #14876, CN & Grand Trunk RR Propert
Site Address:
PO Number:
State: Michigan
State Cert. No.:
Date Reported: 9/1/00

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-14876-082300-JJB-038	00080625-01	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S- 376-082300-JJB-039	00080625-02	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S-14876-082300-JJB-040	00080625-03	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S-14876-082300-JJB-200	00080625-04	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S- 376-082300-JJB-200	00080625-04	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S- 376-082300-JJB-201	00080625-05	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input checked="" type="checkbox"/>
S-14876-082300-JJB-201	00080625-05	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
S- 376-082300-JJB-202	00080625-06	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input checked="" type="checkbox"/>
S- 376-082300-JJB-203	00080625-07	Soil	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
W-14876-082300-JJB-101	00080625-08	Water	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
W-14876-082300-JJB-100	00080625-09	Water	8/23/00	8/24/00 10:00:00 AM	11030	<input type="checkbox"/>
Trip Blank 8/2/00	00080625-10	Trip Blank	8/23/00	8/24/00 10:00:00 AM		<input type="checkbox"/>

REC'D CRA

SEP - 5 2000

Sonia West
 Sonia West
 Senior Project Manager

9/1/00

Date

Joel Grice
 Laboratory Director

Ted Yen
 Quality Assurance Officer



Client Sample ID S-14876-082300-JJB-038

Collected: 8/23/00

SPL Sample ID: 00080625-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.13	1		08/30/00 12:36	PB	384250

Run ID/Seq #: HGL_000830A-384250

Prep Method	Prep Date	Prep Initials
SW7471A	08/30/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.87	2.13	1		08/28/00 17:32	EG	382515
Selenium	ND	0.531	1		08/28/00 17:32	EG	382515
Silver	ND	0.531	1		08/28/00 17:32	EG	382515
Barium	43	1.06	1		08/25/00 22:19	E_B	381665
Chromium	6.38	2.66	1		08/25/00 22:19	E_B	381665

Run ID/Seq #: TJA_000825C-381665

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Run ID/Seq #: TJAT_000828B-382515

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	6.18	0.106	1		08/30/00 0:00	SUB	385930
Cadmium	0.117	0.0531	1		08/30/00 0:00	SUB	385930

Run ID/Seq #: 8010_000830B-385930

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	5.9	0	1		08/24/00 18:30	KM	379066

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1221	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1232	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1242	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1248	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1254	ND	350	1		08/25/00 22:09	AR	384560
Aroclor 1260	ND	350	1		08/25/00 22:09	AR	384560
Surr: Tetrachloro-m-xylene	62.4 %	29-121	1		08/25/00 22:09	AR	384560
Surr: Decachlorobiphenyl	101 %	27-156	1		08/25/00 22:09	AR	384560

Run ID/Seq #: GS_W_000825A-384560

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 12:09	IEE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082300-JJB-038

Collected: 8/23/00

SPL Sample ID: 00080625-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	350	1		08/25/00 19:12	WW	381235
Anthracene	ND	350	1		08/25/00 19:12	WW	381235
Benz(a)anthracene	ND	350	1		08/25/00 19:12	WW	381235
Benzo(a)pyrene	ND	350	1		08/25/00 19:12	WW	381235
Benzo(b)fluoranthene	ND	350	1		08/25/00 19:12	WW	381235
Benzo(g,h,i)perylene	ND	350	1		08/25/00 19:12	WW	381235
Benzo(k)fluoranthene	ND	350	1		08/25/00 19:12	WW	381235
Chrysene	ND	350	1		08/25/00 19:12	WW	381235
Dibenz(a,h)anthracene	ND	350	1		08/25/00 19:12	WW	381235
Fluoranthene	ND	350	1		08/25/00 19:12	WW	381235
Fluorene	ND	350	1		08/25/00 19:12	WW	381235
Indeno(1,2,3-cd)pyrene	ND	350	1		08/25/00 19:12	WW	381235
Naphthalene	ND	350	1		08/25/00 19:12	WW	381235
Phenanthrene	ND	350	1		08/25/00 19:12	WW	381235
Pyrene	ND	350	1		08/25/00 19:12	WW	381235
Surr: 2,4,6-Tribromophenol	76.0 %	19-122	1		08/25/00 19:12	WW	381235
Surr: 2-Fluorobiphenyl	82.4 %	30-115	1		08/25/00 19:12	WW	381235
Surr: 2-Fluorophenol	60.0 %	25-121	1		08/25/00 19:12	WW	381235
Surr: Nitrobenzene-d5	58.8 %	23-120	1		08/25/00 19:12	WW	381235
Surr: Phenol-d5	64.0 %	24-113	1		08/25/00 19:12	WW	381235
Surr: Terphenyl-d14	82.4 %	18-137	1		08/25/00 19:12	WW	381235

Run ID/Seq #: H_000825A-381235

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

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



Client Sample ID S-14876-082300-JJB-038

Collected: 8/23/00

SPL Sample ID: 00080625-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	53	50		08/25/00 14:47	LT	381396
1,1,2,2-Tetrachloroethane	ND	53	50		08/25/00 14:47	LT	381396
1,1,2-Trichloroethane	ND	53	50		08/25/00 14:47	LT	381396
1,1-Dichloroethane	ND	53	50		08/25/00 14:47	LT	381396
1,1-Dichloroethene	ND	53	50		08/25/00 14:47	LT	381396
1,2-Dichloroethane	ND	53	50		08/25/00 14:47	LT	381396
1,2-Dichloropropane	ND	53	50		08/25/00 14:47	LT	381396
2-Butanone	ND	2700	50		08/25/00 14:47	LT	381396
2-Hexanone	ND	2700	50		08/25/00 14:47	LT	381396
4-Methyl-2-pentanone	ND	2700	50		08/25/00 14:47	LT	381396
Acetone	ND	5300	50		08/25/00 14:47	LT	381396
Benzene	ND	53	50		08/25/00 14:47	LT	381396
Bromodichloromethane	ND	53	50		08/25/00 14:47	LT	381396
Bromoform	ND	53	50		08/25/00 14:47	LT	381396
Bromomethane	ND	53	50		08/25/00 14:47	LT	381396
Carbon disulfide	ND	270	50		08/25/00 14:47	LT	381396
Carbon tetrachloride	ND	53	50		08/25/00 14:47	LT	381396
Chlorobenzene	ND	53	50		08/25/00 14:47	LT	381396
Chloroethane	ND	530	50		08/25/00 14:47	LT	381396
Chloroform	ND	53	50		08/25/00 14:47	LT	381396
Chloromethane	ND	530	50		08/25/00 14:47	LT	381396
dibromochloromethane	ND	53	50		08/25/00 14:47	LT	381396
Ethylbenzene	ND	53	50		08/25/00 14:47	LT	381396
Methylene chloride	ND	270	50		08/25/00 14:47	LT	381396
Styrene	ND	53	50		08/25/00 14:47	LT	381396
Tetrachloroethene	ND	53	50		08/25/00 14:47	LT	381396
Toluene	ND	53	50		08/25/00 14:47	LT	381396
trans-1,3-Dichloropropene	ND	53	50		08/25/00 14:47	LT	381396
Trichloroethene	ND	53	50		08/25/00 14:47	LT	381396
Vinyl chloride	ND	53	50		08/25/00 14:47	LT	381396
cis-1,2-Dichloroethene	ND	53	50		08/25/00 14:47	LT	381396
cis-1,3-Dichloropropene	ND	53	50		08/25/00 14:47	LT	381396
trans-1,2-Dichloroethene	ND	53	50		08/25/00 14:47	LT	381396
Xylenes, Total	ND	160	50		08/25/00 14:47	LT	381396
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/25/00 14:47	LT	381396
Surr: 4-Bromofluorobenzene	108	% 74-130	50		08/25/00 14:47	LT	381396
Surr: Toluene-d8	96.0	% 80-140	50		08/25/00 14:47	LT	381396

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082300-JJB-038

Collected: 8/23/00

SPL Sample ID: 00080625-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000825B-381396							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	108/24/2000 11:55	.LT					

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



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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082300-JJB-039 Collected: 8/23/00 SPL Sample ID: 00080625-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.10	1		08/30/00 12:36	PB	384251

Run ID/Seq #: HGL_000830A-384251

Prep Method	Prep Date	Prep Initials
SW7471A	08/30/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.76	2.10	1		08/28/00 17:38	EG	382516
Selenium	ND	0.526	1		08/28/00 17:38	EG	382516
Silver	ND	0.526	1		08/28/00 17:38	EG	382516
Barium	29.2	1.05	1		08/25/00 22:23	E_B	381670
Chromium	5.05	2.63	1		08/25/00 22:23	E_B	381670

Run ID/Seq #: TJA_000825C-381670

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Run ID/Seq #: TJAT_000828B-382516

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	10.3	0.105	1		08/30/00 0:00	SUB	385933
Cadmium	0.126	0.0526	1		08/30/00 0:00	SUB	385933

Run ID/Seq #: 8010_000830B-385933

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	4.9	0	1		08/24/00 18:30	KM	379067

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1221	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1232	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1242	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1248	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1254	ND	350	1		08/25/00 22:27	AR	384561
Aroclor 1260	ND	350	1		08/25/00 22:27	AR	384561
Surr: Tetrachloro-m-xylene	53.4 %	29-121	1		08/25/00 22:27	AR	384561
Surr: Decachlorobiphenyl	101 %	27-156	1		08/25/00 22:27	AR	384561

Run ID/Seq #: GS_W_000825A-384561

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 12:09	EE

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



Client Sample ID S-14876-082300-JJB-039

Collected: 8/23/00

SPL Sample ID: 00080625-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	350		1	08/25/00 19:41	WW	381236
Anthracene	ND	350		1	08/25/00 19:41	WW	381236
Benzo(a)anthracene	ND	350		1	08/25/00 19:41	WW	381236
Benzo(a)pyrene	ND	350		1	08/25/00 19:41	WW	381236
Benzo(b)fluoranthene	ND	350		1	08/25/00 19:41	WW	381236
Benzo(g,h,i)perylene	ND	350		1	08/25/00 19:41	WW	381236
Benzo(k)fluoranthene	ND	350		1	08/25/00 19:41	WW	381236
Chrysene	ND	350		1	08/25/00 19:41	WW	381236
Dibenz(a,h)anthracene	ND	350		1	08/25/00 19:41	WW	381236
Fluoranthene	ND	350		1	08/25/00 19:41	WW	381236
Fluorene	ND	350		1	08/25/00 19:41	WW	381236
Indeno(1,2,3-cd)pyrene	ND	350		1	08/25/00 19:41	WW	381236
Naphthalene	ND	350		1	08/25/00 19:41	WW	381236
Phenanthrene	ND	350		1	08/25/00 19:41	WW	381236
Pyrene	ND	350		1	08/25/00 19:41	WW	381236
Surr: 2,4,6-Tribromophenol	64.0	% 19-122		1	08/25/00 19:41	WW	381236
Surr: 2-Fluorobiphenyl	58.8	% 30-115		1	08/25/00 19:41	WW	381236
Surr: 2-Fluorophenol	52.0	% 25-121		1	08/25/00 19:41	WW	381236
Surr: Nitrobenzene-d5	53.5	% 23-120		1	08/25/00 19:41	WW	381236
Surr: Phenol-d5	52.0	% 24-113		1	08/25/00 19:41	WW	381236
Surr: Terphenyl-d14	76.5	% 18-137		1	08/25/00 19:41	WW	381236

Run ID/Seq #: H_000825A-381236

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

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



HOUSTON LABORATORY
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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082300-JJB-039

Collected: 8/23/00

SPL Sample ID: 00080625-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	53	50		08/25/00 15:13	LT	381397
1,1,2,2-Tetrachloroethane	ND	53	50		08/25/00 15:13	LT	381397
1,1,2-Trichloroethane	ND	53	50		08/25/00 15:13	LT	381397
1,1-Dichloroethane	ND	53	50		08/25/00 15:13	LT	381397
1,1-Dichloroethene	ND	53	50		08/25/00 15:13	LT	381397
1,2-Dichloroethane	ND	53	50		08/25/00 15:13	LT	381397
1,2-Dichloropropane	ND	53	50		08/25/00 15:13	LT	381397
2-Butanone	ND	2600	50		08/25/00 15:13	LT	381397
2-Hexanone	ND	2600	50		08/25/00 15:13	LT	381397
4-Methyl-2-pentanone	ND	2600	50		08/25/00 15:13	LT	381397
Acetone	ND	5300	50		08/25/00 15:13	LT	381397
Benzene	ND	53	50		08/25/00 15:13	LT	381397
Bromodichloromethane	ND	53	50		08/25/00 15:13	LT	381397
Bromofom	ND	53	50		08/25/00 15:13	LT	381397
Bromomethane	ND	53	50		08/25/00 15:13	LT	381397
Carbon disulfide	ND	260	50		08/25/00 15:13	LT	381397
Carbon tetrachloride	ND	53	50		08/25/00 15:13	LT	381397
Chlorobenzene	ND	53	50		08/25/00 15:13	LT	381397
Chloroethane	ND	530	50		08/25/00 15:13	LT	381397
Chloroform	ND	53	50		08/25/00 15:13	LT	381397
Chloromethane	ND	530	50		08/25/00 15:13	LT	381397
dibromochloromethane	ND	53	50		08/25/00 15:13	LT	381397
Ethylbenzene	ND	53	50		08/25/00 15:13	LT	381397
Methylene chloride	ND	260	50		08/25/00 15:13	LT	381397
Styrene	ND	53	50		08/25/00 15:13	LT	381397
Tetrachloroethene	ND	53	50		08/25/00 15:13	LT	381397
Toluene	ND	53	50		08/25/00 15:13	LT	381397
trans-1,3-Dichloropropene	ND	53	50		08/25/00 15:13	LT	381397
Trichloroethene	ND	53	50		08/25/00 15:13	LT	381397
Vinyl chloride	ND	53	50		08/25/00 15:13	LT	381397
cis-1,2-Dichloroethene	ND	53	50		08/25/00 15:13	LT	381397
cis-1,3-Dichloropropene	ND	53	50		08/25/00 15:13	LT	381397
trans-1,2-Dichloroethene	ND	53	50		08/25/00 15:13	LT	381397
Xylenes, Total	ND	160	50		08/25/00 15:13	LT	381397
Surr: 1,2-Dichloroethane-d4	92.0	% 70-120	50		08/25/00 15:13	LT	381397
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/25/00 15:13	LT	381397
Surr: Toluene-d8	92.0	% 80-140	50		08/25/00 15:13	LT	381397

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082300-JJB-039

Collected: 8/23/00

SPL Sample ID: 00080625-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000825B-381397							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/24/2000 11:55	LT					

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082300-JJB-040 Collected: 8/23/00 SPL Sample ID: 00080625-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.40	1		08/30/00 12:36	PB	384253

Run ID/Seq #: HGL_000830A-384253

Prep Method	Prep Date	Prep Initials
SW7471A	08/30/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	6.44	2.40	1		08/28/00 17:45	EG	382517
Selenium	ND	0.600	1		08/28/00 17:45	EG	382517
Silver	ND	0.600	1		08/28/00 17:45	EG	382517
Barium	21.4	1.20	1		08/25/00 22:27	E_B	381672
Chromium	9.73	3.00	1		08/25/00 22:27	E_B	381672

Run ID/Seq #: TJA_000825C-381672

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Run ID/Seq #: TJAT_000828B-382517

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4.01	0.120	1		08/30/00 0:00	SUB	385936
Cadmium	0.132	0.0600	1		08/30/00 0:00	SUB	385936

Run ID/Seq #: 8010_000830B-385936

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	16.7	0	1		08/24/00 18:30	KM	379068

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1221	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1232	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1242	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1248	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1254	ND	400	1		08/25/00 22:45	AR	384562
Aroclor 1260	ND	400	1		08/25/00 22:45	AR	384562
Surr: Tetrachloro-m-xylene	58.5 %	29-121	1		08/25/00 22:45	AR	384562
Surr: Decachlorobiphenyl	101 %	27-156	1		08/25/00 22:45	AR	384562

Run ID/Seq #: GS_W_000825A-384562

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 12:09	EE

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



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 HOUSTON, TEXAS 77054
 (713) 560-0901

Client Sample ID S-14876-082300-JJB-040

Collected: 8/23/00

SPL Sample ID: 00080625-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/25/00 20:11	WW	381237
Anthracene	ND	400	1		08/25/00 20:11	WW	381237
Benz(a)anthracene	ND	400	1		08/25/00 20:11	WW	381237
Benzo(a)pyrene	ND	400	1		08/25/00 20:11	WW	381237
Benzo(b)fluoranthene	ND	400	1		08/25/00 20:11	WW	381237
Benzo(g,h,i)perylene	ND	400	1		08/25/00 20:11	WW	381237
Benzo(k)fluoranthene	ND	400	1		08/25/00 20:11	WW	381237
Chrysene	ND	400	1		08/25/00 20:11	WW	381237
Dibenz(a,h)anthracene	ND	400	1		08/25/00 20:11	WW	381237
Fluoranthene	ND	400	1		08/25/00 20:11	WW	381237
Fluorene	ND	400	1		08/25/00 20:11	WW	381237
Indeno(1,2,3-cd)pyrene	ND	400	1		08/25/00 20:11	WW	381237
Naphthalene	ND	400	1		08/25/00 20:11	WW	381237
Phenanthrene	ND	400	1		08/25/00 20:11	WW	381237
Pyrene	ND	400	1		08/25/00 20:11	WW	381237
Surr: 2,4,6-Tribromophenol	96.0	% 19-122	1		08/25/00 20:11	WW	381237
Surr: 2-Fluorobiphenyl	82.4	% 30-115	1		08/25/00 20:11	WW	381237
Surr: 2-Fluorophenol	68.0	% 25-121	1		08/25/00 20:11	WW	381237
Surr: Nitrobenzene-d5	64.7	% 23-120	1		08/25/00 20:11	WW	381237
Surr: Phenol-d5	68.0	% 24-113	1		08/25/00 20:11	WW	381237
Surr: Terphenyl-d14	112	% 18-137	1		08/25/00 20:11	WW	381237

Run ID/Seq #: H_000825A-381237

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

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



Client Sample ID S-14876-082300-JJB-040

Collected: 8/23/00

SPL Sample ID: 00080625-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/25/00 15:40	LT	381399
1,1,2,2-Tetrachloroethane	ND	60	50		08/25/00 15:40	LT	381399
1,1,2-Trichloroethane	ND	60	50		08/25/00 15:40	LT	381399
1,1-Dichloroethane	ND	60	50		08/25/00 15:40	LT	381399
1,1-Dichloroethene	ND	60	50		08/25/00 15:40	LT	381399
1,2-Dichloroethane	ND	60	50		08/25/00 15:40	LT	381399
1,2-Dichloropropane	ND	60	50		08/25/00 15:40	LT	381399
2-Butanone	ND	3000	50		08/25/00 15:40	LT	381399
2-Hexanone	ND	3000	50		08/25/00 15:40	LT	381399
4-Methyl-2-pentanone	ND	3000	50		08/25/00 15:40	LT	381399
Acetone	ND	6000	50		08/25/00 15:40	LT	381399
Benzene	ND	60	50		08/25/00 15:40	LT	381399
Bromodichloromethane	ND	60	50		08/25/00 15:40	LT	381399
Bromoform	ND	60	50		08/25/00 15:40	LT	381399
Bromomethane	ND	60	50		08/25/00 15:40	LT	381399
Carbon disulfide	ND	300	50		08/25/00 15:40	LT	381399
Carbon tetrachloride	ND	60	50		08/25/00 15:40	LT	381399
Chlorobenzene	ND	60	50		08/25/00 15:40	LT	381399
Chloroethane	ND	600	50		08/25/00 15:40	LT	381399
Chloroform	ND	60	50		08/25/00 15:40	LT	381399
Chloromethane	ND	600	50		08/25/00 15:40	LT	381399
dibromochloromethane	ND	60	50		08/25/00 15:40	LT	381399
Ethylbenzene	ND	60	50		08/25/00 15:40	LT	381399
Methylene chloride	ND	300	50		08/25/00 15:40	LT	381399
Styrene	ND	60	50		08/25/00 15:40	LT	381399
Tetrachloroethene	ND	60	50		08/25/00 15:40	LT	381399
Toluene	ND	60	50		08/25/00 15:40	LT	381399
trans-1,3-Dichloropropene	ND	60	50		08/25/00 15:40	LT	381399
Trichloroethene	ND	60	50		08/25/00 15:40	LT	381399
Vinyl chloride	ND	60	50		08/25/00 15:40	LT	381399
cis-1,2-Dichloroethene	ND	60	50		08/25/00 15:40	LT	381399
cis-1,3-Dichloropropene	ND	60	50		08/25/00 15:40	LT	381399
trans-1,2-Dichloroethene	ND	60	50		08/25/00 15:40	LT	381399
Xylenes, Total	ND	180	50		08/25/00 15:40	LT	381399
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/25/00 15:40	LT	381399
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/25/00 15:40	LT	381399
Surr: Toluene-d8	92.0	% 80-140	50		08/25/00 15:40	LT	381399

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
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Client Sample ID S-14876-082300-JJB-040

Collected: 8/23/00

SPL Sample ID: 00080625-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000825B-381399							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/24/2000 11:55	LT					

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



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Client Sample ID S-14876-082300-JJB-200 Collected: 8/23/00 SPL Sample ID: 00080625-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.89	1		08/30/00 12:36	PB	384258
Run ID/Seq #: HGL_000830A-384258							
Prep Method	Prep Date	Prep Initials					
SW7471A	08/30/2000 10:45	PB					

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	13.1	2.89	1		08/28/00 17:52	EG	382518
Selenium	ND	0.724	1		08/28/00 17:52	EG	382518
Silver	ND	0.724	1		08/28/00 17:52	EG	382518
Barium	66.4	1.45	1		08/25/00 22:31	E_B	381677
Chromium	16	3.62	1		08/25/00 22:31	E_B	381677
Run ID/Seq #: TJA_000825C-381677							
Prep Method	Prep Date	Prep Initials					
SW3050B	08/25/2000 10:30	MR					
Run ID/Seq #: TJAT_000828B-382518							
Prep Method	Prep Date	Prep Initials					
SW3050B	08/25/2000 10:30	MR					

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.55	0.145	1		08/30/00 0:00	SUB	385938
Cadmium	0.289	0.0724	1		08/30/00 0:00	SUB	385938
Run ID/Seq #: 8010_000830B-385938							
Prep Method	Prep Date	Prep Initials					
	08/28/2000 0:00						

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	30.9	0	1		08/24/00 18:30	KM	379069

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1221	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1232	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1242	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1248	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1254	ND	480	1		08/25/00 23:03	AR	384563
Aroclor 1260	ND	480	1		08/25/00 23:03	AR	384563
Surr: Tetrachloro-m-xylene	70.1 %	29-121	1		08/25/00 23:03	AR	384563
Surr: Decachlorobiphenyl	105 %	27-156	1		08/25/00 23:03	AR	384563
Run ID/Seq #: GS_W_000825A-384563							
Prep Method	Prep Date	Prep Initials					
SW3550A	08/25/2000 12:09	EE					

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



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Client Sample ID S-14876-082300-JJB-200

Collected: 8/23/00

SPL Sample ID: 00080625-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	480	1		08/25/00 20:41	WW	381238
Anthracene	ND	480	1		08/25/00 20:41	WW	381238
Benz(a)anthracene	ND	480	1		08/25/00 20:41	WW	381238
Benzo(a)pyrene	ND	480	1		08/25/00 20:41	WW	381238
Benzo(b)fluoranthene	ND	480	1		08/25/00 20:41	WW	381238
Benzo(g,h,i)perylene	ND	480	1		08/25/00 20:41	WW	381238
Benzo(k)fluoranthene	ND	480	1		08/25/00 20:41	WW	381238
Chrysene	ND	480	1		08/25/00 20:41	WW	381238
Dibenz(a,h)anthracene	ND	480	1		08/25/00 20:41	WW	381238
Fluoranthene	ND	480	1		08/25/00 20:41	WW	381238
Fluorene	ND	480	1		08/25/00 20:41	WW	381238
Indeno(1,2,3-cd)pyrene	ND	480	1		08/25/00 20:41	WW	381238
Naphthalene	ND	480	1		08/25/00 20:41	WW	381238
Phenanthrene	ND	480	1		08/25/00 20:41	WW	381238
Pyrene	ND	480	1		08/25/00 20:41	WW	381238
Surr: 2,4,6-Tribromophenol	104	% 19-122	1		08/25/00 20:41	WW	381238
Surr: 2-Fluorobiphenyl	100	% 30-115	1		08/25/00 20:41	WW	381238
Surr: 2-Fluorophenol	84.0	% 25-121	1		08/25/00 20:41	WW	381238
Surr: Nitrobenzene-d5	76.5	% 23-120	1		08/25/00 20:41	WW	381238
Surr: Phenol-d5	80.0	% 24-113	1		08/25/00 20:41	WW	381238
Surr: Terphenyl-d14	118	% 18-137	1		08/25/00 20:41	WW	381238

Run ID/Seq #: H_000825A-381238

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

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



Client Sample ID S-14876-082300-JJB-201

Collected: 8/23/00

SPL Sample ID: 00080625-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.27	1		08/30/00 12:36	PB	384259

Run ID/Seq #: HGL_000830A-384259

Prep Method	Prep Date	Prep Initials
SW7471A	08/30/2000 10:45	IPB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	11.4	2.27	1		08/28/00 17:59	EG	382519
Selenium	ND	0.568	1		08/28/00 17:59	EG	382519
Silver	ND	0.568	1		08/28/00 17:59	EG	382519
Barium	144	1.14	1		08/25/00 22:36	E_B	381680
Chromium	11.5	2.84	1		08/25/00 22:36	E_B	381680

Run ID/Seq #: TJA_000825C-381680

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Run ID/Seq #: TJAT_000828B-382519

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	1.58	0.114	1		08/30/00 0:00	SUB	385941
Cadmium	0.114	0.0568	1		08/30/00 0:00	SUB	385941

Run ID/Seq #: 8010_000830B-385941

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	12	0	1		08/24/00 18:30	KM	379070

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1221	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1232	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1242	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1248	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1254	ND	380	1		08/25/00 23:21	AR	384564
Aroclor 1260	ND	380	1		08/25/00 23:21	AR	384564
Surr: Tetrachloro-m-xylene	67.8 %	29-121	1		08/25/00 23:21	AR	384564
Surr: Decachlorobiphenyl	106 %	27-156	1		08/25/00 23:21	AR	384564

Run ID/Seq #: GS_W_000825A-384564

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 12:09	EE

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



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 (713) 660-0901

Client Sample ID S-14876-082300-JJB-201

Collected: 8/23/00

SPL Sample ID: 00080625-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	380	1		08/28/00 15:16	S_G	381927
Anthracene	ND	380	1		08/28/00 15:16	S_G	381927
Benz(a)anthracene	ND	380	1		08/28/00 15:16	S_G	381927
Benzo(a)pyrene	ND	380	1		08/28/00 15:16	S_G	381927
Benzo(b)fluoranthene	ND	380	1		08/28/00 15:16	S_G	381927
Benzo(g,h,i)perylene	ND	380	1		08/28/00 15:16	S_G	381927
Benzo(k)fluoranthene	ND	380	1		08/28/00 15:16	S_G	381927
Chrysene	ND	380	1		08/28/00 15:16	S_G	381927
Dibenz(a,h)anthracene	ND	380	1		08/28/00 15:16	S_G	381927
Fluoranthene	ND	380	1		08/28/00 15:16	S_G	381927
Fluorene	ND	380	1		08/28/00 15:16	S_G	381927
Indeno(1,2,3-cd)pyrene	ND	380	1		08/28/00 15:16	S_G	381927
Naphthalene	ND	380	1		08/28/00 15:16	S_G	381927
Phenanthrene	ND	380	1		08/28/00 15:16	S_G	381927
Pyrene	ND	380	1		08/28/00 15:16	S_G	381927
Surr: 2,4,6-Tribromophenol	104	% 19-122	1		08/28/00 15:16	S_G	381927
Surr: 2-Fluorobiphenyl	94.1	% 30-115	1		08/28/00 15:16	S_G	381927
Surr: 2-Fluorophenol	76.0	% 25-121	1		08/28/00 15:16	S_G	381927
Surr: Nitrobenzene-d5	88.2	% 23-120	1		08/28/00 15:16	S_G	381927
Surr: Phenol-d5	76.0	% 24-113	1		08/28/00 15:16	S_G	381927
Surr: Terphenyl-d14	100	% 18-137	1		08/28/00 15:16	S_G	381927

Run ID/Seq #: J_000828A-381927

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082300-JJB-202 Collected: 8/23/00 SPL Sample ID: 00080625-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.17	1		08/30/00 12:36	PB	384261

Run ID/Seq #: HGL_000830A-384261

Prep Method	Prep Date	Prep Initials
SW7471A	08/30/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	218	2.17	1		08/28/00 18:05	EG	382520
Selenium	0.859	0.543	1		08/28/00 18:05	EG	382520
Silver	ND	0.543	1		08/28/00 18:05	EG	382520
Barium	76.6	1.09	1		08/25/00 22:40	E_B	381681
Chromium	20.8	2.71	1		08/25/00 22:40	E_B	381681

Run ID/Seq #: TJA_000825C-381681

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

Run ID/Seq #: TJAT_000828B-382520

Prep Method	Prep Date	Prep Initials
SW3050B	08/25/2000 10:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	7.57	0.109	1		08/30/00 0:00	SUB	385944
Cadmium	0.706	0.0543	1		08/30/00 0:00	SUB	385944

Run ID/Seq #: 8010_000830B-385944

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	7.9	0	1		08/24/00 18:30	KM	379071

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1221	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1232	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1242	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1248	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1254	ND	360	1		08/30/00 1:54	AR	384567
Aroclor 1260	ND	360	1		08/30/00 1:54	AR	384567
Surr: Tetrachloro-m-xylene	74.8 %	29-121	1		08/30/00 1:54	AR	384567
Surr: Decachlorobiphenyl	110 %	27-156	1		08/30/00 1:54	AR	384567

Run ID/Seq #: GS_W_000825A-384567

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 12:09	EE

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 J - Estimated Value between MDL and PQL



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 HOUSTON, TEXAS 77054
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Client Sample ID S-14876-082300-JJB-202

Collected: 8/23/00

SPL Sample ID: 00080625-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	360		1	08/28/00 14:08	S_G	381922
Anthracene	ND	360		1	08/28/00 14:08	S_G	381922
Benz(a)anthracene	670	360		1	08/28/00 14:08	S_G	381922
Benzo(a)pyrene	650	360		1	08/28/00 14:08	S_G	381922
Benzo(b)fluoranthene	850	360		1	08/28/00 14:08	S_G	381922
Benzo(g,h,i)perylene	740	360		1	08/28/00 14:08	S_G	381922
Benzo(k)fluoranthene	760	360		1	08/28/00 14:08	S_G	381922
Chrysene	800	360		1	08/28/00 14:08	S_G	381922
Dibenz(a,h)anthracene	ND	360		1	08/28/00 14:08	S_G	381922
Fluoranthene	890	360		1	08/28/00 14:08	S_G	381922
Fluorene	ND	360		1	08/28/00 14:08	S_G	381922
Indeno(1,2,3-cd)pyrene	860	360		1	08/28/00 14:08	S_G	381922
Naphthalene	ND	360		1	08/28/00 14:08	S_G	381922
Phenanthrene	540	360		1	08/28/00 14:08	S_G	381922
Pyrene	790	360		1	08/28/00 14:08	S_G	381922
Surr: 2,4,6-Tribromophenol	76.0	% 19-122		1	08/28/00 14:08	S_G	381922
Surr: 2-Fluorobiphenyl	70.6	% 30-115		1	08/28/00 14:08	S_G	381922
Surr: 2-Fluorophenol	56.0	% 25-121		1	08/28/00 14:08	S_G	381922
Surr: Nitrobenzene-d5	55.9	% 23-120		1	08/28/00 14:08	S_G	381922
Surr: Phenol-d5	56.0	% 24-113		1	08/28/00 14:08	S_G	381922
Surr: Terphenyl-d14	50.6	% 18-137		1	08/28/00 14:08	S_G	381922

Run ID/Seq #: J_000828A-381922

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
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 MI - Matrix Interference



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 HOUSTON, TEXAS 77054
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Client Sample ID S-14876-082300-JJB-202

Collected: 8/23/00

SPL Sample ID: 00080625-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	54	50		08/25/00 16:06	LT	381400
1,1,1,2-Tetrachloroethane	ND	54	50		08/25/00 16:06	LT	381400
1,1,2-Trichloroethane	ND	54	50		08/25/00 16:06	LT	381400
1,1-Dichloroethane	ND	54	50		08/25/00 16:06	LT	381400
1,1-Dichloroethene	ND	54	50		08/25/00 16:06	LT	381400
1,2-Dichloroethane	ND	54	50		08/25/00 16:06	LT	381400
1,2-Dichloropropane	ND	54	50		08/25/00 16:06	LT	381400
2-Butanone	ND	2700	50		08/25/00 16:06	LT	381400
2-Hexanone	ND	2700	50		08/25/00 16:06	LT	381400
4-Methyl-2-pentanone	ND	2700	50		08/25/00 16:06	LT	381400
Acetone	ND	5400	50		08/25/00 16:06	LT	381400
Benzene	ND	54	50		08/25/00 16:06	LT	381400
Bromodichloromethane	ND	54	50		08/25/00 16:06	LT	381400
Bromoform	ND	54	50		08/25/00 16:06	LT	381400
Bromomethane	ND	54	50		08/25/00 16:06	LT	381400
Carbon disulfide	ND	270	50		08/25/00 16:06	LT	381400
Carbon tetrachloride	ND	54	50		08/25/00 16:06	LT	381400
Chlorobenzene	ND	54	50		08/25/00 16:06	LT	381400
Chloroethane	ND	540	50		08/25/00 16:06	LT	381400
Chloroform	ND	54	50		08/25/00 16:06	LT	381400
Chloromethane	ND	540	50		08/25/00 16:06	LT	381400
dibromochloromethane	ND	54	50		08/25/00 16:06	LT	381400
Ethylbenzene	120	54	50		08/25/00 16:06	LT	381400
Methylene chloride	ND	270	50		08/25/00 16:06	LT	381400
Styrene	ND	54	50		08/25/00 16:06	LT	381400
Tetrachloroethene	ND	54	50		08/25/00 16:06	LT	381400
Toluene	420	54	50		08/25/00 16:06	LT	381400
trans-1,3-Dichloropropene	ND	54	50		08/25/00 16:06	LT	381400
Trichloroethene	ND	54	50		08/25/00 16:06	LT	381400
Vinyl chloride	ND	54	50		08/25/00 16:06	LT	381400
cis-1,2-Dichloroethene	ND	54	50		08/25/00 16:06	LT	381400
cis-1,3-Dichloropropene	ND	54	50		08/25/00 16:06	LT	381400
trans-1,2-Dichloroethene	ND	54	50		08/25/00 16:06	LT	381400
Xylenes, Total	820	160	50		08/25/00 16:06	LT	381400
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/25/00 16:06	LT	381400
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/25/00 16:06	LT	381400
Surr: Toluene-d8	92.0	% 80-140	50		08/25/00 16:06	LT	381400

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082300-JJB-202

Collected: 8/23/00

SPL Sample ID: 00080625-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000825B-381400							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/24/2000 11:55	LT					

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

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D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082300-JJB-203

Collected: 8/23/00

SPL Sample ID: 00080625-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.16	1		08/30/00 12:36	PB	384245
Run ID/Seq #: HGL_000830A-384245							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW7471A	08/30/2000 10:45	IPB					

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	217	2.16	1		08/28/00 15:50	EG	381954
Selenium	1.04	0.541	1		08/28/00 15:50	EG	381954
Silver	ND	0.541	1		08/28/00 15:50	EG	381954
Barium	75.2	1.08	1		08/25/00 21:35	E_B	381631
Chromium	18.6	2.70	1		08/25/00 21:35	E_B	381631
Run ID/Seq #: TJA_000825C-381631							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW3050B	08/25/2000 10:30	MR					
Run ID/Seq #: TJAT_000828A-381954							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW3050B	08/25/2000 10:30	MR					

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	7.63	0.108	1		08/30/00 0:00	SUB	385947
Cadmium	0.843	0.0541	1		08/30/00 0:00	SUB	385947
Run ID/Seq #: 8010_000830B-385947							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
	08/28/2000 0:00						

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	7.5	0	1		08/24/00 18:30	KM	379064

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1221	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1232	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1242	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1248	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1254	ND	360	1		08/30/00 2:12	AR	384568
Aroclor 1260	ND	360	1		08/30/00 2:12	AR	384568
Surr: Tetrachloro-m-xylene	72.7 %	29-121	1		08/30/00 2:12	AR	384568
Surr: Decachlorobiphenyl	112 %	27-156	1		08/30/00 2:12	AR	384568
Run ID/Seq #: GS_W_000825A-384568							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW3550A	08/25/2000 12:09	EE					

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



Client Sample ID S-14876-082300-JJB-203 Collected: 8/23/00 SPL Sample ID: 00080625-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	430	360	1		08/25/00 17:42	WW	381232
Anthracene	ND	360	1		08/25/00 17:42	WW	381232
Benz(a)anthracene	820	360	1		08/25/00 17:42	WW	381232
Benzo(a)pyrene	970	360	1		08/25/00 17:42	WW	381232
Benzo(b)fluoranthene	1400	360	1		08/25/00 17:42	WW	381232
Benzo(g,h,i)perylene	710	360	1		08/25/00 17:42	WW	381232
Benzo(k)fluoranthene	1100	360	1		08/25/00 17:42	WW	381232
Chrysene	1100	360	1		08/25/00 17:42	WW	381232
Dibenz(a,h)anthracene	ND	360	1		08/25/00 17:42	WW	381232
Fluoranthene	1300	360	1		08/25/00 17:42	WW	381232
Fluorene	ND	360	1		08/25/00 17:42	WW	381232
Indeno(1,2,3-cd)pyrene	690	360	1		08/25/00 17:42	WW	381232
Naphthalene	ND	360	1		08/25/00 17:42	WW	381232
Phenanthrene	690	360	1		08/25/00 17:42	WW	381232
Pyrene	1400	360	1		08/25/00 17:42	WW	381232
Surr: 2,4,6-Tribromophenol	92.0	% 19-122	1		08/25/00 17:42	WW	381232
Surr: 2-Fluorobiphenyl	94.1	% 30-115	1		08/25/00 17:42	WW	381232
Surr: 2-Fluorophenol	80.0	% 25-121	1		08/25/00 17:42	WW	381232
Surr: Nitrobenzene-d5	82.4	% 23-120	1		08/25/00 17:42	WW	381232
Surr: Phenol-d5	76.0	% 24-113	1		08/25/00 17:42	WW	381232
Surr: Terphenyl-d14	88.2	% 18-137	1		08/25/00 17:42	WW	381232

Run ID/Seq #: H_000825A-381232

Prep Method	Prep Date	Prep Initials
SW3550A	08/25/2000 11:33	EE

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
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 J - Estimated Value between MDL and PQL

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 MI - Matrix Interference



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(713) 660-0901

Client Sample ID S-14876-082300-JJB-203

Collected: 8/23/00

SPL Sample ID: 00080625-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	54		50	08/25/00 13:26	LT	381392
1,1,2,2-Tetrachloroethane	ND	54		50	08/25/00 13:26	LT	381392
1,1,2-Trichloroethane	ND	54		50	08/25/00 13:26	LT	381392
1,1-Dichloroethane	ND	54		50	08/25/00 13:26	LT	381392
1,1-Dichloroethene	ND	54		50	08/25/00 13:26	LT	381392
1,2-Dichloroethane	ND	54		50	08/25/00 13:26	LT	381392
1,2-Dichloropropane	ND	54		50	08/25/00 13:26	LT	381392
2-Butanone	ND	2700		50	08/25/00 13:26	LT	381392
2-Hexanone	ND	2700		50	08/25/00 13:26	LT	381392
4-Methyl-2-pentanone	ND	2700		50	08/25/00 13:26	LT	381392
Acetone	ND	5400		50	08/25/00 13:26	LT	381392
Benzene	ND	54		50	08/25/00 13:26	LT	381392
Bromodichloromethane	ND	54		50	08/25/00 13:26	LT	381392
Bromoform	ND	54		50	08/25/00 13:26	LT	381392
Bromomethane	ND	54		50	08/25/00 13:26	LT	381392
Carbon disulfide	ND	270		50	08/25/00 13:26	LT	381392
Carbon tetrachloride	ND	54		50	08/25/00 13:26	LT	381392
Chlorobenzene	ND	54		50	08/25/00 13:26	LT	381392
Chloroethane	ND	540		50	08/25/00 13:26	LT	381392
Chloroform	ND	54		50	08/25/00 13:26	LT	381392
Chloromethane	ND	540		50	08/25/00 13:26	LT	381392
dibromochloromethane	ND	54		50	08/25/00 13:26	LT	381392
Ethylbenzene	110	54		50	08/25/00 13:26	LT	381392
Methylene chloride	ND	270		50	08/25/00 13:26	LT	381392
Styrene	ND	54		50	08/25/00 13:26	LT	381392
Tetrachloroethene	ND	54		50	08/25/00 13:26	LT	381392
Toluene	380	54		50	08/25/00 13:26	LT	381392
trans-1,3-Dichloropropene	ND	54		50	08/25/00 13:26	LT	381392
Trichloroethene	ND	54		50	08/25/00 13:26	LT	381392
Vinyl chloride	ND	54		50	08/25/00 13:26	LT	381392
cis-1,2-Dichloroethene	ND	54		50	08/25/00 13:26	LT	381392
cis-1,3-Dichloropropene	ND	54		50	08/25/00 13:26	LT	381392
trans-1,2-Dichloroethene	ND	54		50	08/25/00 13:26	LT	381392
Xylenes, Total	830	160		50	08/25/00 13:26	LT	381392
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120		50	08/25/00 13:26	LT	381392
Surr: 4-Bromofluorobenzene	108	% 74-130		50	08/25/00 13:26	LT	381392
Surr: Toluene-d8	96.0	% 80-140		50	08/25/00 13:26	LT	381392

Qualifiers: ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID W-14876-082300-JJB-101

Collected: 8/23/00

SPL Sample ID: 00080625-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 15:50	P_C	383001
Di-n-butyl phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Di-n-octyl phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Dibenz(a,h)anthracene	ND	5	1		08/28/00 15:50	P_C	383001
Dibenzofuran	ND	5	1		08/28/00 15:50	P_C	383001
Diethyl phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Dimethyl phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Fluoranthene	5	5	1		08/28/00 15:50	P_C	383001
Fluorene	ND	5	1		08/28/00 15:50	P_C	383001
Hexachlorobenzene	ND	5	1		08/28/00 15:50	P_C	383001
Hexachlorobutadiene	ND	5	1		08/28/00 15:50	P_C	383001
Hexachlorocyclopentadiene	ND	5	1		08/28/00 15:50	P_C	383001
Hexachloroethane	ND	5	1		08/28/00 15:50	P_C	383001
Indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 15:50	P_C	383001
Isophorone	ND	5	1		08/28/00 15:50	P_C	383001
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 15:50	P_C	383001
N-Nitrosodiphenylamine	ND	5	1		08/28/00 15:50	P_C	383001
Naphthalene	ND	5	1		08/28/00 15:50	P_C	383001
Nitrobenzene	ND	5	1		08/28/00 15:50	P_C	383001
Pentachlorophenol	ND	25	1		08/28/00 15:50	P_C	383001
Phenanthrene	ND	5	1		08/28/00 15:50	P_C	383001
Phenol	ND	5	1		08/28/00 15:50	P_C	383001
Pyrene	ND	5	1		08/28/00 15:50	P_C	383001
2-Methylphenol	ND	5	1		08/28/00 15:50	P_C	383001
3 & 4-Methylphenol	ND	5	1		08/28/00 15:50	P_C	383001
Surr: 2,4,6-Tribromophenol	121	% 10-123	1		08/28/00 15:50	P_C	383001
Surr: 2-Fluorobiphenyl	44.0	% 43-116	1		08/28/00 15:50	P_C	383001
Surr: 2-Fluorophenol	22.7	% 21-110	1		08/28/00 15:50	P_C	383001
Surr: Nitrobenzene-d5	48.0	% 35-114	1		08/28/00 15:50	P_C	383001
Surr: Phenol-d5	10.7	% 10-110	1		08/28/00 15:50	P_C	383001
Surr: Terphenyl-d14	88.0	% 33-141	1		08/28/00 15:50	P_C	383001

Run ID/Seq #: P_000828A-383001

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID W-14876-082300-JJB-101

Collected: 8/23/00

SPL Sample ID: 00080625-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 15:50	P_C	383001
1,2-Dichlorobenzene	ND	5	1		08/28/00 15:50	P_C	383001
1,3-Dichlorobenzene	ND	5	1		08/28/00 15:50	P_C	383001
1,4-Dichlorobenzene	ND	5	1		08/28/00 15:50	P_C	383001
2,4,5-Trichlorophenol	ND	10	1		08/28/00 15:50	P_C	383001
2,4,6-Trichlorophenol	ND	5	1		08/28/00 15:50	P_C	383001
2,4-Dichlorophenol	ND	5	1		08/28/00 15:50	P_C	383001
2,4-Dimethylphenol	ND	5	1		08/28/00 15:50	P_C	383001
2,4-Dinitrophenol	ND	25	1		08/28/00 15:50	P_C	383001
2,4-Dinitrotoluene	ND	5	1		08/28/00 15:50	P_C	383001
2,6-Dinitrotoluene	ND	5	1		08/28/00 15:50	P_C	383001
2-Chloronaphthalene	ND	5	1		08/28/00 15:50	P_C	383001
2-Chlorophenol	ND	5	1		08/28/00 15:50	P_C	383001
2-Methylnaphthalene	ND	5	1		08/28/00 15:50	P_C	383001
2-Nitroaniline	ND	25	1		08/28/00 15:50	P_C	383001
2-Nitrophenol	ND	5	1		08/28/00 15:50	P_C	383001
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 15:50	P_C	383001
3-Nitroaniline	ND	25	1		08/28/00 15:50	P_C	383001
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 15:50	P_C	383001
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 15:50	P_C	383001
4-Chloro-3-methylphenol	ND	5	1		08/28/00 15:50	P_C	383001
4-Chloroaniline	ND	5	1		08/28/00 15:50	P_C	383001
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 15:50	P_C	383001
4-Nitroaniline	ND	25	1		08/28/00 15:50	P_C	383001
4-Nitrophenol	ND	25	1		08/28/00 15:50	P_C	383001
Acenaphthene	ND	5	1		08/28/00 15:50	P_C	383001
Acenaphthylene	ND	5	1		08/28/00 15:50	P_C	383001
Anthracene	ND	5	1		08/28/00 15:50	P_C	383001
Benz(a)anthracene	ND	5	1		08/28/00 15:50	P_C	383001
Benzo(a)pyrene	ND	5	1		08/28/00 15:50	P_C	383001
Benzo(b)fluoranthene	ND	5	1		08/28/00 15:50	P_C	383001
Benzo(g,h,i)perylene	ND	5	1		08/28/00 15:50	P_C	383001
Benzo(k)fluoranthene	ND	5	1		08/28/00 15:50	P_C	383001
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 15:50	P_C	383001
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 15:50	P_C	383001
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 15:50	P_C	383001
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Butyl benzyl phthalate	ND	5	1		08/28/00 15:50	P_C	383001
Carbazole	ND	5	1		08/28/00 15:50	P_C	383001

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-14876-082300-JJB-101 Collected: 8/23/00 SPL Sample ID: 00080625-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379971
Run ID/Seq #: HGL_000825D-379971							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW7470A	08/25/2000 8:45	PB					

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	0.0171	0.005	1		08/30/00 19:18	EG	385028
Lead	0.0764	0.003	1		08/30/00 4:00	EG	383778
Selenium	ND	0.005	1		08/30/00 4:00	EG	383778
Barium	ND	0.2	1		08/31/00 12:03	E_B	385501
Chromium	ND	0.05	1		08/29/00 20:25	E_B	383883

Run ID/Seq #: TJAT_000829A-383778		
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>
SW3010A	08/25/2000 9:00	MR
Run ID/Seq #: TJA_000829B-383883		
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>
SW3010A	08/25/2000 9:00	MR
Run ID/Seq #: TJAT_000830B-385028		
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>
SW3010A	08/25/2000 9:00	MR
Run ID/Seq #: TJA_000831A-385501		
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>
SW3010A	08/30/2000 9:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	0.0011	0.0005	1		08/30/00 0:00	SUB	386066
Silver	ND	0.0005	1		08/30/00 0:00	SUB	386066

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1221	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1232	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1242	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1248	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1254	ND	1	1		08/26/00 4:46	AR	384580
Aroclor 1260	ND	1	1		08/26/00 4:46	AR	384580
Surr: Tetrachloro-m-xylene	46.6	% 20-181	1		08/26/00 4:46	AR	384580
Surr: Decachlorobiphenyl	60.0	% 20-134	1		08/26/00 4:46	AR	384580
Run ID/Seq #: GS_W_000826A-384580							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW3510B	08/25/2000 10:00	KL					

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



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Client Sample ID S-14876-082300-JJB-203

Collected: 8/23/00

SPL Sample ID: 00080625-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000825B-381392							
Prep Method	Prep Date	iPrep Initials					
SW5035	08/24/2000 11:55	LT					

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



Client Sample ID W-14876-082300-JJB-100 Collected: 8/23/00 SPL Sample ID: 00080625-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379961

Run ID/Seq #: HGL_000825D-379961

Prep Method	Prep Date	Prep Initials
SW7470A	08/25/2000 8:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	ND	0.005	1		08/30/00 18:25	EG	385020
Lead	ND	0.003	1		08/30/00 3:05	EG	383761
Selenium	ND	0.005	1		08/30/00 3:05	EG	383761
Barium	ND	0.2	1		08/31/00 12:07	E_B	385502
Chromium	ND	0.05	1		08/29/00 20:01	E_B	383875

Run ID/Seq #: TJAT_000829A-383761

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000829B-383875

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJAT_000830B-385020

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000831A-385502

Prep Method	Prep Date	Prep Initials
SW3010A	08/30/2000 9:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	ND	0.0005	1		08/30/00 0:00	SUB	386068
Silver	ND	0.0005	1		08/30/00 0:00	SUB	386068

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1221	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1232	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1242	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1248	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1254	ND	1	1		08/26/00 3:16	AR	384575
Aroclor 1260	ND	1	1		08/26/00 3:16	AR	384575
Surr: Tetrachloro-m-xylene	58.4	% 20-181	1		08/26/00 3:16	AR	384575
Surr: Decachlorobiphenyl	92.3	% 20-134	1		08/26/00 3:16	AR	384575

Run ID/Seq #: GS_W_000826A-384575

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:00	KL

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-14876-082300-JJB-101

Collected: 8/23/00

SPL Sample ID: 00080625-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1		1	08/26/00 0:22	LT	381611
1,1,2,2-Tetrachloroethane	ND	1		1	08/26/00 0:22	LT	381611
1,1,2-Trichloroethane	ND	1		1	08/26/00 0:22	LT	381611
1,1-Dichloroethane	ND	1		1	08/26/00 0:22	LT	381611
1,1-Dichloroethene	ND	1		1	08/26/00 0:22	LT	381611
1,2-Dichloroethane	ND	1		1	08/26/00 0:22	LT	381611
1,2-Dichloropropane	ND	1		1	08/26/00 0:22	LT	381611
2-Butanone	ND	5		1	08/26/00 0:22	LT	381611
2-Hexanone	ND	5		1	08/26/00 0:22	LT	381611
4-Methyl-2-pentanone	ND	5		1	08/26/00 0:22	LT	381611
Acetone	ND	5		1	08/26/00 0:22	LT	381611
Benzene	ND	1		1	08/26/00 0:22	LT	381611
Bromodichloromethane	ND	1		1	08/26/00 0:22	LT	381611
Bromoform	ND	1		1	08/26/00 0:22	LT	381611
Bromomethane	ND	1		1	08/26/00 0:22	LT	381611
Carbon disulfide	ND	1		1	08/26/00 0:22	LT	381611
Carbon tetrachloride	ND	1		1	08/26/00 0:22	LT	381611
Chlorobenzene	ND	1		1	08/26/00 0:22	LT	381611
Chloroethane	ND	1		1	08/26/00 0:22	LT	381611
Chloroform	ND	1		1	08/26/00 0:22	LT	381611
Chloromethane	ND	1		1	08/26/00 0:22	LT	381611
cis-1,3-Dichloropropene	ND	1		1	08/26/00 0:22	LT	381611
dibromochloromethane	ND	1		1	08/26/00 0:22	LT	381611
Ethylbenzene	ND	1		1	08/26/00 0:22	LT	381611
Methylene chloride	ND	2		1	08/26/00 0:22	LT	381611
Styrene	ND	1		1	08/26/00 0:22	LT	381611
Tetrachloroethene	ND	1		1	08/26/00 0:22	LT	381611
Toluene	ND	1		1	08/26/00 0:22	LT	381611
trans-1,3-Dichloropropene	ND	1		1	08/26/00 0:22	LT	381611
Trichloroethene	ND	1		1	08/26/00 0:22	LT	381611
Vinyl chloride	ND	1		1	08/26/00 0:22	LT	381611
cis-1,2-Dichloroethene	ND	1		1	08/26/00 0:22	LT	381611
trans-1,2-Dichloroethene	ND	1		1	08/26/00 0:22	LT	381611
Xylenes, Total	ND	1		1	08/26/00 0:22	LT	381611
Surr: 1,2-Dichloroethane-d4	98.0	% 62-119		1	08/26/00 0:22	LT	381611
Surr: 4-Bromofluorobenzene	100	% 78-123		1	08/26/00 0:22	LT	381611
Surr: Toluene-d8	98.0	% 74-122		1	08/26/00 0:22	LT	381611

Qualifiers:

ND/U - Not Detected at the Reporting Limit

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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-14876-082300-JJB-100

Collected: 8/23/00

SPL Sample ID: 00080625-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 11:56	P_C	382995
1,2-Dichlorobenzene	ND	5	1		08/28/00 11:56	P_C	382995
1,3-Dichlorobenzene	ND	5	1		08/28/00 11:56	P_C	382995
1,4-Dichlorobenzene	ND	5	1		08/28/00 11:56	P_C	382995
2,4,5-Trichlorophenol	ND	10	1		08/28/00 11:56	P_C	382995
2,4,6-Trichlorophenol	ND	5	1		08/28/00 11:56	P_C	382995
2,4-Dichlorophenol	ND	5	1		08/28/00 11:56	P_C	382995
2,4-Dimethylphenol	ND	5	1		08/28/00 11:56	P_C	382995
2,4-Dinitrophenol	ND	25	1		08/28/00 11:56	P_C	382995
2,4-Dinitrotoluene	ND	5	1		08/28/00 11:56	P_C	382995
2,6-Dinitrotoluene	ND	5	1		08/28/00 11:56	P_C	382995
2-Chloronaphthalene	ND	5	1		08/28/00 11:56	P_C	382995
2-Chlorophenol	ND	5	1		08/28/00 11:56	P_C	382995
2-Methylnaphthalene	ND	5	1		08/28/00 11:56	P_C	382995
2-Nitroaniline	ND	25	1		08/28/00 11:56	P_C	382995
2-Nitrophenol	ND	5	1		08/28/00 11:56	P_C	382995
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 11:56	P_C	382995
3-Nitroaniline	ND	25	1		08/28/00 11:56	P_C	382995
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 11:56	P_C	382995
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 11:56	P_C	382995
4-Chloro-3-methylphenol	ND	5	1		08/28/00 11:56	P_C	382995
4-Chloroaniline	ND	5	1		08/28/00 11:56	P_C	382995
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 11:56	P_C	382995
4-Nitroaniline	ND	25	1		08/28/00 11:56	P_C	382995
4-Nitrophenol	ND	25	1		08/28/00 11:56	P_C	382995
Acenaphthene	ND	5	1		08/28/00 11:56	P_C	382995
Acenaphthylene	ND	5	1		08/28/00 11:56	P_C	382995
Anthracene	ND	5	1		08/28/00 11:56	P_C	382995
Benz(a)anthracene	ND	5	1		08/28/00 11:56	P_C	382995
Benzo(a)pyrene	ND	5	1		08/28/00 11:56	P_C	382995
Benzo(b)fluoranthene	ND	5	1		08/28/00 11:56	P_C	382995
Benzo(g,h,i)perylene	ND	5	1		08/28/00 11:56	P_C	382995
Benzo(k)fluoranthene	ND	5	1		08/28/00 11:56	P_C	382995
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 11:56	P_C	382995
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 11:56	P_C	382995
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 11:56	P_C	382995
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Butyl benzyl phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Carbazole	ND	5	1		08/28/00 11:56	P_C	382995

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
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Client Sample ID W-14876-082300-JJB-100

Collected: 8/23/00

SPL Sample ID: 00080625-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 11:56	P_C	382995
Di-n-butyl phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Di-n-octyl phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Dibenz(a,h)anthracene	ND	5	1		08/28/00 11:56	P_C	382995
Dibenzofuran	ND	5	1		08/28/00 11:56	P_C	382995
Diethyl phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Dimethyl phthalate	ND	5	1		08/28/00 11:56	P_C	382995
Fluoranthene	ND	5	1		08/28/00 11:56	P_C	382995
Fluorene	ND	5	1		08/28/00 11:56	P_C	382995
Hexachlorobenzene	ND	5	1		08/28/00 11:56	P_C	382995
Hexachlorobutadiene	ND	5	1		08/28/00 11:56	P_C	382995
Hexachlorocyclopentadiene	ND	5	1		08/28/00 11:56	P_C	382995
Hexachloroethane	ND	5	1		08/28/00 11:56	P_C	382995
Indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 11:56	P_C	382995
Isophorone	ND	5	1		08/28/00 11:56	P_C	382995
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 11:56	P_C	382995
N-Nitrosodiphenylamine	ND	5	1		08/28/00 11:56	P_C	382995
Naphthalene	ND	5	1		08/28/00 11:56	P_C	382995
Nitrobenzene	ND	5	1		08/28/00 11:56	P_C	382995
Pentachlorophenol	ND	25	1		08/28/00 11:56	P_C	382995
Phenanthrene	ND	5	1		08/28/00 11:56	P_C	382995
Phenol	ND	5	1		08/28/00 11:56	P_C	382995
Pyrene	ND	5	1		08/28/00 11:56	P_C	382995
2-Methylphenol	ND	5	1		08/28/00 11:56	P_C	382995
3 & 4-Methylphenol	ND	5	1		08/28/00 11:56	P_C	382995
Surr: 2,4,6-Tribromophenol	85.3	% 10-123	1		08/28/00 11:56	P_C	382995
Surr: 2-Fluorobiphenyl	68.0	% 43-116	1		08/28/00 11:56	P_C	382995
Surr: 2-Fluorophenol	34.7	% 21-110	1		08/28/00 11:56	P_C	382995
Surr: Nitrobenzene-d5	68.0	% 35-114	1		08/28/00 11:56	P_C	382995
Surr: Phenol-d5	18.7	% 10-110	1		08/28/00 11:56	P_C	382995
Surr: Terphenyl-d14	96.0	% 33-141	1		08/28/00 11:56	P_C	382995

Run ID/Seq #: P_000828A-382995

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID W-14876-082300-JJB-100

Collected: 8/23/00

SPL Sample ID: 00080625-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/26/00 1:40	LT	381621
1,1,2,2-Tetrachloroethane	ND	1	1		08/26/00 1:40	LT	381621
1,1,2-Trichloroethane	ND	1	1		08/26/00 1:40	LT	381621
1,1-Dichloroethane	ND	1	1		08/26/00 1:40	LT	381621
1,1-Dichloroethene	ND	1	1		08/26/00 1:40	LT	381621
1,2-Dichloroethane	ND	1	1		08/26/00 1:40	LT	381621
1,2-Dichloropropane	ND	1	1		08/26/00 1:40	LT	381621
2-Butanone	ND	5	1		08/26/00 1:40	LT	381621
2-Hexanone	ND	5	1		08/26/00 1:40	LT	381621
4-Methyl-2-pentanone	ND	5	1		08/26/00 1:40	LT	381621
Acetone	ND	5	1		08/26/00 1:40	LT	381621
Benzene	ND	1	1		08/26/00 1:40	LT	381621
Bromodichloromethane	ND	1	1		08/26/00 1:40	LT	381621
Bromoform	ND	1	1		08/26/00 1:40	LT	381621
Bromomethane	ND	1	1		08/26/00 1:40	LT	381621
Carbon disulfide	ND	1	1		08/26/00 1:40	LT	381621
Carbon tetrachloride	ND	1	1		08/26/00 1:40	LT	381621
Chlorobenzene	ND	1	1		08/26/00 1:40	LT	381621
Chloroethane	ND	1	1		08/26/00 1:40	LT	381621
Chloroform	ND	1	1		08/26/00 1:40	LT	381621
Chloromethane	ND	1	1		08/26/00 1:40	LT	381621
cis-1,3-Dichloropropene	ND	1	1		08/26/00 1:40	LT	381621
dibromochloromethane	ND	1	1		08/26/00 1:40	LT	381621
Ethylbenzene	ND	1	1		08/26/00 1:40	LT	381621
Methylene chloride	ND	2	1		08/26/00 1:40	LT	381621
Styrene	ND	1	1		08/26/00 1:40	LT	381621
Tetrachloroethene	ND	1	1		08/26/00 1:40	LT	381621
Toluene	ND	1	1		08/26/00 1:40	LT	381621
trans-1,3-Dichloropropene	ND	1	1		08/26/00 1:40	LT	381621
Trichloroethene	ND	1	1		08/26/00 1:40	LT	381621
Vinyl chloride	ND	1	1		08/26/00 1:40	LT	381621
cis-1,2-Dichloroethene	ND	1	1		08/26/00 1:40	LT	381621
trans-1,2-Dichloroethene	ND	1	1		08/26/00 1:40	LT	381621
Xylenes, Total	ND	1	1		08/26/00 1:40	LT	381621
Surr: 1,2-Dichloroethane-d4	96.0	% 62-119	1		08/26/00 1:40	LT	381621
Surr: 4-Bromofluorobenzene	100	% 78-123	1		08/26/00 1:40	LT	381621
Surr: Toluene-d8	98.0	% 74-122	1		08/26/00 1:40	LT	381621

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID Trip Blank 8/2/00 Collected: 8/23/00 SPL Sample ID: 00080625-10

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/26/00 2:06	LT	381624
1,1,2,2-Tetrachloroethane	ND	1	1		08/26/00 2:06	LT	381624
1,1,2-Trichloroethane	ND	1	1		08/26/00 2:06	LT	381624
1,1-Dichloroethane	ND	1	1		08/26/00 2:06	LT	381624
1,1-Dichloroethene	ND	1	1		08/26/00 2:06	LT	381624
1,2-Dichloroethane	ND	1	1		08/26/00 2:06	LT	381624
1,2-Dichloropropane	ND	1	1		08/26/00 2:06	LT	381624
2-Butanone	ND	5	1		08/26/00 2:06	LT	381624
2-Hexanone	ND	5	1		08/26/00 2:06	LT	381624
4-Methyl-2-pentanone	ND	5	1		08/26/00 2:06	LT	381624
Acetone	ND	5	1		08/26/00 2:06	LT	381624
Benzene	ND	1	1		08/26/00 2:06	LT	381624
Bromodichloromethane	ND	1	1		08/26/00 2:06	LT	381624
Bromoform	ND	1	1		08/26/00 2:06	LT	381624
Bromomethane	ND	1	1		08/26/00 2:06	LT	381624
Carbon disulfide	ND	1	1		08/26/00 2:06	LT	381624
Carbon tetrachloride	ND	1	1		08/26/00 2:06	LT	381624
Chlorobenzene	ND	1	1		08/26/00 2:06	LT	381624
Chloroethane	ND	1	1		08/26/00 2:06	LT	381624
Chloroform	ND	1	1		08/26/00 2:06	LT	381624
Chloromethane	ND	1	1		08/26/00 2:06	LT	381624
cis-1,3-Dichloropropene	ND	1	1		08/26/00 2:06	LT	381624
dibromochloromethane	ND	1	1		08/26/00 2:06	LT	381624
Ethylbenzene	ND	1	1		08/26/00 2:06	LT	381624
Methylene chloride	ND	2	1		08/26/00 2:06	LT	381624
Styrene	ND	1	1		08/26/00 2:06	LT	381624
Tetrachloroethene	ND	1	1		08/26/00 2:06	LT	381624
Toluene	ND	1	1		08/26/00 2:06	LT	381624
trans-1,3-Dichloropropene	ND	1	1		08/26/00 2:06	LT	381624
Trichloroethene	ND	1	1		08/26/00 2:06	LT	381624
Vinyl chloride	ND	1	1		08/26/00 2:06	LT	381624
cis-1,2-Dichloroethene	ND	1	1		08/26/00 2:06	LT	381624
trans-1,2-Dichloroethene	ND	1	1		08/26/00 2:06	LT	381624
Xylenes, Total	ND	1	1		08/26/00 2:06	LT	381624
Surr: 1,2-Dichloroethane-d4	94.0	% 62-119	1		08/26/00 2:06	LT	381624
Surr: 4-Bromofluorobenzene	100	% 78-123	1		08/26/00 2:06	LT	381624
Surr: Toluene-d8	98.0	% 74-122	1		08/26/00 2:06	LT	381624

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

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Quality Control Documentation



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080625
 Lab Batch ID: 6831

<u>Method Blank</u>		<u>Samples in Analytical Batch:</u>	
RunID: GS_W_000826A-384574	Units: ug/L	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date: 08/26/2000 2:58	Analyst: AR	00080625-08C	W-14876-082300-JJB-101
Preparation Date: 08/25/2000 10:00	Prep By: KL Method SW3510B	00080625-09C	W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Aroclor 1016	ND	1.0
Aroclor 1221	ND	1.0
Aroclor 1232	ND	1.0
Aroclor 1242	ND	1.0
Aroclor 1248	ND	1.0
Aroclor 1254	ND	1.0
Aroclor 1260	ND	1.0
Sum: Decachlorobiphenyl	102.0	20-134
Sum: Tetrachloro-m-xylene	63.0	20-181

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-08
 RunID: GS_W_000826A-384581 Units: ug/L
 Analysis Date: 08/26/2000 5:04 Analyst: AR
 Preparation Date: 08/25/2000 10:00 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	10	6.5	64.6	10	6.8	67.5	4.46	30	55	126
Aroclor 1260	ND	10	6.6	66.2	10	6.8	68.1	2.83	30	30	127

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080625
 Lab Batch ID: 6848

Method Blank

RunID: GS_W_000825A-383017 Units: ug/Kg
 Analysis Date: 08/25/2000 18:15 Analyst: AR
 Preparation Date: 08/25/2000 12:09 Prep By: EE Method SW3550A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202
00080625-07B	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
Aroclor 1016	ND	330
Aroclor 1221	ND	330
Aroclor 1232	ND	330
Aroclor 1242	ND	330
Aroclor 1248	ND	330
Aroclor 1254	ND	330
Aroclor 1260	ND	330
Surr: Decachlorobiphenyl	112.2	27-156
Surr: Tetrachloro-m-xylene	69.3	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000825A-383020 Units: ug/Kg
 Analysis Date: 08/25/2000 19:09 Analyst: AR
 Preparation Date: 08/25/2000 12:09 Prep By: EE Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	290	88	50	132
Aroclor 1260	333	320	96	50	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: GS_W_000825A-384569 Units: ug/Kg-dry
 Analysis Date: 08/30/2000 2:30 Analyst: AR
 Preparation Date: 08/25/2000 12:09 Prep By: EE Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	360	280	78.0	360	260	71.8	8.23	30	50	132
Aroclor 1260	120	360	330	57.0	360	310	51.6	9.85	24	50	135

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7470A

WorkOrder: 00080625
 Lab Batch ID: 6839

Method Blank

Samples in Analytical Batch:

RunID: HGL_000825D-379957 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Lab Sample ID	Client Sample ID
00080625-08B	W-14876-082300-JJB-101
00080625-09B	W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: HGL_000825D-379959 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.002	0.002	100	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: HGL_000825D-379963 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.002	0.00192	95.9	0.002	0.0019	95.2	0.733	20	75	125

Notes: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6851

Method Blank

Samples in Analytical Batch:

RunID:	TJA_000829B-383873	Units:	mg/L	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date:	08/29/2000 19:52	Analyst:	E_B	00080625-08B	W-14876-082300-JJB-101
Preparation Date:	08/25/2000 9:00	Prep By:	MR Method SW3010A	00080625-09B	W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Chromium	ND	0.05

Laboratory Control Sample (LCS)

RunID: TJA_000829B-383874 Units: mg/L
 Analysis Date: 08/29/2000 19:57 Analyst: E_B
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chromium	2	2	100	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: TJA_000829B-383876 Units: mg/L
 Analysis Date: 08/29/2000 20:05 Analyst: E_B
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chromium	ND	1	0.994	99.4	1	0.987	98.7	0.683	20	75	125

Quantifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080625
Lab Batch ID: 6851-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000829A-383757 Units: mg/L
Analysis Date: 08/30/2000 2:49 Analyst: EG
Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Lab Sample ID: 00080625-08B
Client Sample ID: W-14876-082300-JJB-101
00080625-09B W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Lead	ND	0.003
Selenium	ND	0.005

Laboratory Control Sample (LCS)

RunID: TJAT_000829A-383759 Units: mg/L
Analysis Date: 08/30/2000 2:56 Analyst: EG
Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	2	2.02	101	80	120
Selenium	4	3.73	93	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
RunID: TJAT_000829A-383764 Units: mg/L
Analysis Date: 08/30/2000 3:14 Analyst: EG
Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	ND	1	1.01	101	1	0.995	99.3	1.99	20	75	125
Selenium	ND	2	1.87	93.3	2	1.84	91.8	1.60	20	75	125

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6851B-T

Method Blank

Samples in Analytical Batch:

RunID:	TJAT_000830B-385017	Units:	mg/L	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date:	08/30/2000 18:09	Analyst:	EG	00080625-08B	W-14876-082300-JJB-101
Preparation Date:	08/25/2000 9:00	Prep By:	MR Method SW3010A	00080625-09B	W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Arsenic	ND	0.005

Laboratory Control Sample (LCS)

RunID: TJAT_000830B-385019 Units: mg/L
 Analysis Date: 08/30/2000 18:16 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	4	3.96	99	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: TJAT_000830B-385021 Units: mg/L
 Analysis Date: 08/30/2000 18:34 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	2	1.99	99.6	2	1.97	98.4	1.25	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080625
Lab Batch ID: 6854

Method Blank

Samples in Analytical Batch:

RunID:	TJA_000825C-381623	Units:	mg/Kg	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date:	08/25/2000 21:27	Analyst:	E_B	00080625-01B	S-14876-082300-JJB-038
Preparation Date:	08/25/2000 10:30	Prep By:	MR Method SW3050B	00080625-02B	S-14876-082300-JJB-039
				00080625-03B	S-14876-082300-JJB-040
				00080625-04B	S-14876-082300-JJB-200
				00080625-05B	S-14876-082300-JJB-201
				00080625-06B	S-14876-082300-JJB-202
				00080625-07B	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_000825C-381627 Units: mg/Kg
Analysis Date: 08/25/2000 21:31 Analyst: E_B
Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	95.5	N/A	86	137
Chromium	99.4	78.2	N/A	76.6	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
RunID: TJA_000825C-381634 Units: mg/Kg-dry
Analysis Date: 08/25/2000 21:39 Analyst: E_B
Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	75	108	174	91.0	108	201	116	24.1*	20	75	125
Chromium	19	108	105	80.3	108	104	79.3	1.19	20	75	125

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080625
Lab Batch ID: 6854-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000828A-381952 Units: mg/Kg
Analysis Date: 08/28/2000 14:55 Analyst: EG
Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Lab Sample ID: 00080625-07B
Client Sample ID: S-14876-082300-JJB-203

Analyte	Result	Rep Limit
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000828A-381953 Units: mg/Kg
Analysis Date: 08/28/2000 15:02 Analyst: EG
Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	97.8	88.9	N/A	74.5	121
Selenium	143	116	N/A	106	180
Silver	107	104	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 00080625-07
RunID: TJAT_000828A-381958 Units: mg/Kg-dry
Analysis Date: 08/28/2000 16:19 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	217	108.11	307	84	108.11	312	88	4.4	20	75	125
Selenium	1.04	216.22	181	83	216.22	185	85	2.3	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
RunID: TJAT_000828A-381955 Units: mg/Kg-dry
Analysis Date: 08/28/2000 15:57 Analyst: EG
Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	220	108	305	82.0	108	282	60.5*	30.2*	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6854-T

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: TJAT_000828A-381955 Units: mg/Kg-dry
 Analysis Date: 08/28/2000 15:57 Analyst: EG
 Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	1.0	216	161	73.8*	216	163	74.8*	1.28	20	75	125
	ND	108	99	91.6	108	102	93.9	2.53	20	75	125

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6854B-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000828B-382500 Units: mg/Kg
 Analysis Date: 08/28/2000 14:55 Analyst: EG
 Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202

Analyte	Result	Rep Limit
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000828B-382501 Units: mg/Kg
 Analysis Date: 08/28/2000 15:02 Analyst: EG
 Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	97.8	88.9	N/A	74.5	121
Selenium	143	116	N/A	106	180
Silver	107	104	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDS/D)

Sample Spiked: 00080625-07
 RunID: TJAT_000828B-382509 Units: mg/Kg-dry
 Analysis Date: 08/28/2000 16:19 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDS/D Spike Added	PDS/D Result	PDS/D % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	217	108.11	307	84	108.11	312	88	4.4	20	75	125
Selenium	1.04	216.22	181	83	216.22	185	85	2.3	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MS/D)

Sample Spiked: 00080625-07
 RunID: TJAT_000828B-382506 Units: mg/Kg-dry
 Analysis Date: 08/28/2000 15:57 Analyst: EG
 Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MS/D Spike Added	MS/D Result	MS/D % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	220	108	305	82.0	108	282	60.5*	30.2*	20	75	125

Quantifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6854B-T

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: TJAT_000828B-382506 Units: mg/Kg-dry
 Analysis Date: 08/28/2000 15:57 Analyst: EG
 Preparation Date: 08/25/2000 10:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	1.0	216	161	73.8*	216	163	74.8*	1.28	20	75	125
	ND	108	99	91.6	108	102	93.9	2.53	20	75	125

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7471A

WorkOrder: 00080625
 Lab Batch ID: 6934

Method Blank

RunID: HGL_000830A-384243 Units: mg/Kg
 Analysis Date: 08/30/2000 12:36 Analyst: PB
 Preparation Date: 08/30/2000 0:00 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202
00080625-07B	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
Mercury	ND	0.033

Laboratory Control Sample (LCS)

RunID: HGL_000830A-384244 Units: mg/Kg
 Analysis Date: 08/30/2000 12:36 Analyst: PB
 Preparation Date: 08/30/2000 10:45 Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	3.23	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: HGL_000830A-384247 Units: mg/Kg-dry
 Analysis Date: 08/30/2000 12:36 Analyst: PB
 Preparation Date: 08/30/2000 10:45 Prep By: PB Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.12	0.357	0.431	86.3	0.357	0.452	92.2	6.59	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080625
 Lab Batch ID: 6936

Method Blank

Samples in Analytical Batch:

RunID: TJA_000831A-385493 Units: mg/L
 Analysis Date: 08/31/2000 11:31 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Lab Sample ID Client Sample ID
 00080625-08B W-14876-082300-JJB-101
 00080625-09B W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Barium	ND	0.2

Laboratory Control Sample (LCS)

RunID: TJA_000831A-385494 Units: mg/L
 Analysis Date: 08/31/2000 11:35 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	2	1.84	92	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080665-01
 RunID: TJA_000831A-385496 Units: mg/L
 Analysis Date: 08/31/2000 11:43 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	0.022	1	0.965	94.4	1	0.943	92.2	2.34	20	75	125

ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080625
Lab Batch ID: 6804

Method Blank

Samples in Analytical Batch:

RunID: P_000828A-382993 Units: ug/L
Analysis Date: 08/28/2000 10:58 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Lab Sample ID Client Sample ID
00080625-08D W-14876-082300-JJB-101
00080625-09D W-14876-082300-JJB-100

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	5.0
2,4-Dichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0
2,4-Dinitrophenol	ND	25
2,4-Dinitrotoluene	ND	5.0
2,6-Dinitrotoluene	ND	5.0
2-Chloronaphthalene	ND	5.0
2-Chlorophenol	ND	5.0
2-Methylnaphthalene	ND	5.0
2-Nitroaniline	ND	25
2-Nitrophenol	ND	5.0
3,3'-Dichlorobenzidine	ND	10
3-Nitroaniline	ND	25
4,6-Dinitro-2-methylphenol	ND	25
4-Bromophenyl phenyl ether	ND	5.0
4-Chloro-3-methylphenol	ND	5.0
4-Chloroaniline	ND	5.0
4-Chlorophenyl phenyl ether	ND	5.0
4-Nitroaniline	ND	25
4-Nitrophenol	ND	25
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Bis(2-chloroethoxy)methane	ND	5.0
Bis(2-chloroethyl)ether	ND	5.0
Bis(2-chloroisopropyl)ether	ND	5.0
Bis(2-ethylhexyl)phthalate	ND	5.0
Butyl benzyl phthalate	ND	5.0
Carbazole	ND	5.0
Chrysene	ND	5.0
Di-n-butyl phthalate	ND	5.0
Di-n-octyl phthalate	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Diethyl phthalate	ND	5.0
Dimethyl phthalate	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Hexachlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachlorocyclopentadiene	ND	5.0

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatiles by Method 8270C
Method: SW8270C

WorkOrder: 00080625
Lab Batch ID: 6804

Method Blank

RunID: P_000828A-382993 Units: ug/L
Analysis Date: 08/28/2000 10:58 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Result	Rep Limit
Hexachloroethane	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Isophorone	ND	5.0
N-Nitrosodi-n-propylamine	ND	5.0
N-Nitrosodiphenylamine	ND	5.0
Naphthalene	ND	5.0
Nitrobenzene	ND	5.0
Pentachlorophenol	ND	25
Phenanthrene	ND	5.0
Phenol	ND	5.0
Pyrene	ND	5.0
2-Methylphenol	ND	5.0
3 & 4-Methylphenol	ND	5.0
Surr: 2,4,6-Tribromophenol	88.0	10-123
Surr: 2-Fluorobiphenyl	80.0	43-116
Surr: 2-Fluorophenol	74.7	21-110
Surr: Nitrobenzene-d5	86.0	35-114
Surr: Phenol-d5	61.3	10-110
Surr: Terphenyl-d14	84.0	33-141

Laboratory Control Sample (LCS)

RunID: P_000828A-382994 Units: ug/L
Analysis Date: 08/28/2000 11:27 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	50	45	90	39	110
1,4-Dichlorobenzene	50	44	88	36	110
2,4-Dinitrotoluene	50	41	82	50	150
2-Chlorophenol	75	71	95	27	123
4-Chloro-3-methylphenol	75	82	109	23	110
4-Nitrophenol	75	42	56	25	150
Acenaphthene	50	51	102	46	125
N-Nitrosodi-n-propylamine	50	45	90	41	116
Pentachlorophenol	75	87	116	9	125
Phenol	75	52	69	12	110
Pyrene	50	58	116	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080625
 Lab Batch ID: 6804

Sample Spiked: 00080624-05
 RunID: P_000828A-382997 Units: ug/L
 Analysis Date: 08/28/2000 13:24 Analyst: P_C
 Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
2,4-Trichlorobenzene	ND	50	27	54	50	27	54	0	28	39	110
1,4-Dichlorobenzene	ND	50	27	54	50	27	54	0	28	36	110
4-nitrotoluene	ND	50	29	58	50	30	60	3	50	50	150
4-Chlorophenol	ND	75	42	56	75	43	57	2	40	27	123
2-Chloro-3-methylphenol	ND	75	68	91	75	71	95	4	42	23	110
2-Nitrophenol	ND	75	29	39	75	31	41	7	50	25	150
1,2-Dichlorobenzene	140	50	130	-20*	50	130	-20*	0	31	46	125
1-Nitrosodi-n-propylamine	ND	50	29	58	50	29	58	0	38	41	116
2,4-Dichlorophenol	ND	75	66	88	75	67	89	2	50	9	125
1,3-Dichlorobenzene	ND	75	24	32	75	25	33	4	42	12	110
1,2-Dichloroethane	27	50	51	48	50	50	46	4	31	26	127

Quantifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080625
Lab Batch ID: 6842

Method Blank

Run ID: H_000825A-381230 Units: ug/Kg
Analysis Date: 08/25/2000 16:45 Analyst: WW
Preparation Date: 08/25/2000 11:33 Prep By: EE Method SW3550A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202
00080625-07B	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	330
Anthracene	ND	330
Benzo(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Chrysene	ND	330
Dibenz(a,h)anthracene	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Naphthalene	ND	330
Phenanthrene	ND	330
Pyrene	ND	330
Surr: 2,4,6-Tribromophenol	100.0	19-122
Surr: 2-Fluorobiphenyl	88.2	30-115
Surr: 2-Fluorophenol	92.0	25-121
Surr: Nitrobenzene-d5	88.2	23-120
Surr: Phenol-d5	92.0	24-113
Surr: Terphenyl-d14	123.5	18-137

Laboratory Control Sample (LCS)

RunID: H_000825A-381231 Units: ug/Kg
Analysis Date: 08/25/2000 17:12 Analyst: WW
Preparation Date: 08/25/2000 11:33 Prep By: EE Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1400	82	39	110
1,4-Dichlorobenzene	1700	1300	76	36	110
2,4-Dinitrotoluene	1700	1300	76	50	150
2-Chlorophenol	2500	1900	76	27	123
4-Chloro-3-methylphenol	2500	2200	88	23	110
4-Nitrophenol	2500	2100	84	25	150
Acenaphthene	1700	1500	88	46	125
N-Nitrosodi-n-propylamine	1700	1300	76	41	116
Pentachlorophenol	2500	2400	96	9	125
Phenol	2500	1700	68	12	110
Pyrene	1700	1900	112	26	127

Modifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080625
 Lab Batch ID: 6842

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: H_000825A-381233 Units: ug/Kg-dry
 Analysis Date: 08/25/2000 18:12 Analyst: WW
 Preparation Date: 08/25/2000 11:33 Prep By: EE Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1840	1300	71	1840	1300	71	0	28	39	110
1,4-Dichlorobenzene	ND	1840	1100	59	1840	1200	65	10	28	36	110
1,4-Dinitrotoluene	ND	1840	1400	76	1840	1400	76	0	50	50	150
1-Chlorophenol	ND	2700	1800	68	2700	1800	68	0	40	27	123
2-Chloro-3-methylphenol	ND	2700	2200	80	2700	2200	80	0	42	23	110
2-Nitrophenol	ND	2700	1900	72	2700	1900	72	0	50	25	150
Acenaphthene	ND	1840	1500	82	1840	1600	88	7	31	46	125
Di-N-propylamine	ND	1840	1200	65	1840	1300	71	9	38	41	116
2,4-Dichlorophenol	ND	2700	2100	76	2700	1900	72	5	50	9	125
Phenol	ND	2700	1700	64	2700	1700	64	0	42	12	110
Pyrene	1400	1840	3000	88	1840	3700	124	33*	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Method: Volatile Organics by Method 8260B
Sample ID: SW8260B

WorkOrder: 00080625
Lab Batch ID: 6846

Method Blank

Sample ID: L_000825B-381389 Units: ug/Kg
Analysis Date: 08/25/2000 12:33 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-01A	S-14876-082300-JJB-038
00080625-02A	S-14876-082300-JJB-039
00080625-03A	S-14876-082300-JJB-040
00080625-06A	S-14876-082300-JJB-202
00080625-07A	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	380
Surr: 1,2-Dichloroethane-d4	96.0	70-120
Surr: 4-Bromofluorobenzene	105.6	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: L_000825B-381388 Units: ug/L
Analysis Date: 08/25/2000 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	54	108	66	134

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080625
 Lab Batch ID: 6846

Laboratory Control Sample (LCS)

RunID: L_000825B-381388 Units: ug/L
 Analysis Date: 08/25/2000 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	54	108	79	119
Chlorobenzene	50	42	84	74	110
Toluene	50	47	94	73	113
Trichloroethene	50	51	102	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: L_000825B-381393 Units: ug/Kg-dry
 Analysis Date: 08/25/2000 13:53 Analyst: LT
 Preparation Date: 08/24/2000 11:55 Prep By: LT Method SW5035

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-dichloroethene	ND	2700	2300	84	2700	2300	84	0	22	59	172
Benzene	ND	2700	2800	104	2700	2800	104	0	21	66	142
Chlorobenzene	ND	2700	2200	80	2700	2200	80	0	21	60	133
Toluene	380	2700	2800	90	2700	2800	90	0	21	59	139
Trichloroethene	ND	2700	2600	96	2700	2600	96	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Method: Volatile Organics by Method 8260B
Sample ID: SW8260B

WorkOrder: 00080625
Lab Batch ID: R19664

Method Blank

RunID: L_000825C-381609 Units: ug/L
Analysis Date: 08/25/2000 23:56 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-08A	W-14876-082300-JJB-101
00080625-09A	W-14876-082300-JJB-100
00080625-10A	Trip Blank 8/2/00

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	5.0
2-Hexanone	ND	5.0
4-Methyl-2-pentanone	ND	5.0
Acetone	ND	5.0
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	2.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	98.0	62-119
Surr: 4-Bromofluorobenzene	100.0	78-123
Surr: Toluene-d8	98.0	74-122

Laboratory Control Sample (LCS)

RunID: L_000825C-381606 Units: ug/L
Analysis Date: 08/25/2000 23:04 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	47	94	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080625
 Lab Batch ID: R19664

Laboratory Control Sample (LCS)

RunID: L_000825C-381606 Units: ug/L
 Analysis Date: 08/25/2000 23:04 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	100	79	119
Chlorobenzene	50	44	88	74	110
Toluene	50	49	98	73	113
Trichloroethene	50	46	92	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-08
 RunID: L_000825C-381615 Units: ug/L
 Analysis Date: 08/26/2000 0:47 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-dichloroethene	ND	50	34	68	50	42	84	21*	14	38	172
benzene	ND	50	45	90	50	47	94	4	11	66	134
chlorobenzene	ND	50	39	78	50	40	80	3	13	67	115
toluene	ND	50	44	88	50	45	90	2	13	59	125
trichloroethene	ND	50	34	68	50	43	86	23*	14	61	134

Quantifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080625
 Lab Batch ID: R

Method Blank

Samples in Analytical Batch:

RunID:	8010_000828B-383389	Units:	mg/Kg	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date:	08/28/2000 0:00	Analyst:	SUB	00080625-08B	W-14876-082300-JJB-101
Preparation Date:	08/24/2000 0:00	Prep By:	Method	00080625-09B	W-14876-082300-JJB-100

Analyte	Result	Rep Limit
Cadmium	ND	0.00050
Silver	ND	0.00050

Laboratory Control Sample (LCS)

RunID: 8010_000828B-383390 Units: mg/Kg
 Analysis Date: 08/28/2000 0:00 Analyst: SUB
 Preparation Date: 08/24/2000 0:00 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Cadmium	1	0.85	85	74	97
Silver	1	0	0*	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000828SB
 RunID: 8010_000828B-383392 Units: mg/Kg
 Analysis Date: 08/28/2000 0:00 Analyst: SUB
 Preparation Date: 08/24/2000 0:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Cadmium	0.20	1	0.92	72.0	1	0.95	75.0	4.08	20	67	98
Silver	ND	1	0	0*	1	0	0*	0	20	80	120

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080625
 Lab Batch ID: R19886

Method Blank

Samples in Analytical Batch:

RunID: 8010_000830B-386187 Units: mg/Kg
 Analysis Date: 08/30/2000 0:00 Analyst: SUB
 Preparation Date: 08/28/2000 0:00 Prep By: Method

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202
00080625-07B	S-14876-082300-JJB-203

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000830B-386188 Units: mg/Kg
 Analysis Date: 08/30/2000 0:00 Analyst: SUB
 Preparation Date: 08/28/2000 0:00 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	8	80	66	95
Cadmium	1	0.79	79	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 000629-05BM
 RunID: 8010_000830B-386193 Units: mg/Kg
 Analysis Date: 08/30/2000 0:00 Analyst: SUB
 Preparation Date: 08/28/2000 0:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	1.2	10	8.27	70.5	10	10.9	96.8*	31.4*	20	60	94
Cadmium	ND	1	0.73	73.0	1	0.76	76.0	4.03	20	67	98

Quantifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080625
 Lab Batch ID: R19530

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080625-01B	S-14876-082300-JJB-038
00080625-02B	S-14876-082300-JJB-039
00080625-03B	S-14876-082300-JJB-040
00080625-04B	S-14876-082300-JJB-200
00080625-05B	S-14876-082300-JJB-201
00080625-06B	S-14876-082300-JJB-202
00080625-07B	S-14876-082300-JJB-203

Sample Duplicate

Original Sample: 00080625-07
 RunID: WET_000824G-379064 Units: wt%
 Analysis Date: 08/24/2000 18:30 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	7.5	7.5	0	20

Modifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

00080625

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
11100 Metro Airport Center Drive - Suite 160
Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):
Southern Petroleum Laboratory

REFERENCE NUMBER:
14876

PROJECT NAME:
GTR + CN

CHAIN OF CUSTODY RECORD

SAMPLER'S SIGNATURE: [Signature]
PRINTED NAME: JERAMY BELL

SEQ. No.	DATE	TIME	SAMPLE ID	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS										REMARKS						
						TEL	VOCs	RCRA metals	Pb	Cd	Cu	Fe	Mn	Zn	NO3		NO2	SVOCs				
1	08/23/00	AM	S-14876-082300-JJB-038	soil	2																	7 day TAT
2		AM	-039		2																	
3		AM	-040		2																	
4		AM	-200		2																	
5		AM	-201		2																	
6		AM	-202		2																	
7		AM	-203		2																	
8		AM	-203 MS/MSD		3																	
9		AM	W-14876-082300-JJB-101	water	8																	
10		PM	W-14876-082300-JJB-100	water	8																	
					8																	

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>8/23/00</u>	RECEIVED BY:	DATE:
1. _____	TIME: <u>3:00pm</u>	1. _____	TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
2. _____	TIME:	2. _____	TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
3. _____	TIME:	1. _____	TIME:

METHOD OF SHIPMENT: FED EX AIR BILL No. 821868814717

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Shipper Copy
Goldenrod - Sampler Copy

SAMPLE TEAM:
JERAMY BELL
Athina Kiriakopoulos

RECEIVED FOR LABORATORY BY: [Signature]
DATE: 8/24/00 TIME: 1000

11030

NA

4c



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080625

Received by: Estrada, Ruben

Date and Time Received: 8/24/00 10:00:00 AM

Carrier name: FedEx

Temperature: 4

-
- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
-



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080595

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/31/00
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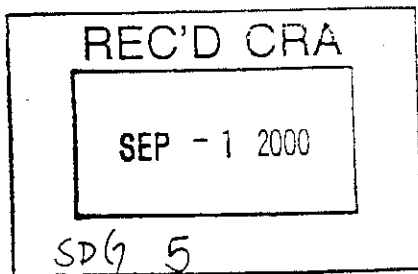
Your sample ID "S-14876-082200-JJB-027" (SPL ID: 00080595-01) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Selenium (Batch ID: 6906-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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



ORIGINAL ANALYTICAL REPORT

Project#: 14876 **Lab#:** 00080595

Name: CN & Grand Trunk

Description

Event: Phase II ESA

Samples: 10 Soils (27-37)

Analysis: PCB, PNA, ECCA metals

TAT: 7 days

Lab: SPL

Checked Against Preliminary Data:

Date: 9-5-2000 **Init.:** mc

Date of Validation Memo: _____

Invoice Approval Date: _____

Comments: _____

Sonia West
 West, Sonia
 Senior Project Manager

8/31/00

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080595

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/31/00
---	---

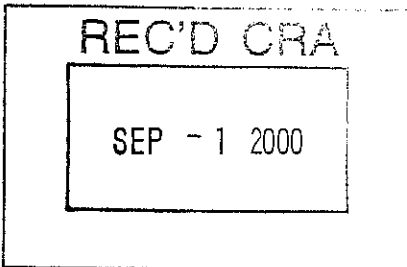
Your sample ID "S-14876-082200-JJB-027" (SPL ID: 00080595-01) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Selenium (Batch ID: 6906-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

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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.



Sonia West
West, Sonia
Senior Project Manager

8/31/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

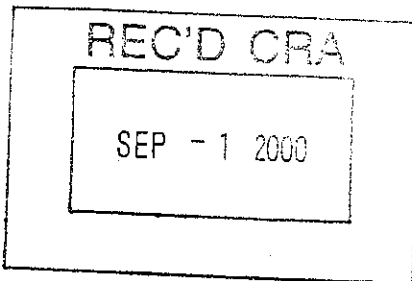
Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080595

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/31/00
Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
14876-082200-JJB-027	00080595-01	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
14876-082200-JJB-028	00080595-02	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
S-14876-082200-JJB-029	00080595-03	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
S-14876-082200-JJB-030	00080595-04	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
14876-082200-JJB-031	00080595-05	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
S-14876-082200-JJB-032	00080595-06	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
S-14876-082200-JJB-033	00080595-07	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
14876-082200-JJB-034	00080595-08	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
14876-082200-JJB-035	00080595-09	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
S-14876-082200-JJB-036	00080595-10	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>
14876-082200-JJB-037	00080595-11	Soil	8/22/00	8/23/00 10:00:00 AM	11028	<input type="checkbox"/>



Sonia West
 est, Sonia
 Senior Project Manager

8/31/00
 Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



Client Sample ID S-14876-082200-JJB-027

Collected: 8/22/00

SPL Sample ID: 00080595-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.31	1		08/28/00 12:37	PB	381719

Run ID/Seq #: HGL_000828A-381719

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	8.34	2.31	1		08/29/00 13:42	EG	383336
Selenium	ND	0.579	1		08/29/00 13:42	EG	383336
Silver	ND	0.579	1		08/29/00 13:42	EG	383336
Barium	25.2	1.16	1		08/29/00 16:19	E_B	383811
Chromium	8.39	2.89	1		08/29/00 16:19	E_B	383811

Run ID/Seq #: TJAT_000828D-383336

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383811

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	1.5	0.116	1		08/29/00 0:00	SUB	383484
Cadmium	0.162	0.0579	1		08/29/00 0:00	SUB	383484

Run ID/Seq #: 8010_000829A-383484

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	13.7	0	1		08/23/00 17:00	KM	378065

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1221	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1232	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1242	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1248	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1254	ND	380	1		08/25/00 0:22	AR	384295
Aroclor 1260	ND	380	1		08/25/00 0:22	AR	384295
Surr: Tetrachloro-m-xylene	70.0 %	29-121	1		08/25/00 0:22	AR	384295
Surr: Decachlorobiphenyl	97.2 %	27-156	1		08/25/00 0:22	AR	384295

Run ID/Seq #: GS_W_000824A-384295

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082200-JJB-027

Collected: 8/22/00

SPL Sample ID: 00080595-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	380	1		08/25/00 12:16	P_C	380906
Anthracene	ND	380	1		08/25/00 12:16	P_C	380906
Benz(a)anthracene	ND	380	1		08/25/00 12:16	P_C	380906
Benzo(a)pyrene	ND	380	1		08/25/00 12:16	P_C	380906
Benzo(b)fluoranthene	ND	380	1		08/25/00 12:16	P_C	380906
Benzo(g,h,i)perylene	ND	380	1		08/25/00 12:16	P_C	380906
Benzo(k)fluoranthene	ND	380	1		08/25/00 12:16	P_C	380906
Chrysene	ND	380	1		08/25/00 12:16	P_C	380906
Dibenz(a,h)anthracene	ND	380	1		08/25/00 12:16	P_C	380906
Fluoranthene	ND	380	1		08/25/00 12:16	P_C	380906
Fluorene	ND	380	1		08/25/00 12:16	P_C	380906
Indeno(1,2,3-cd)pyrene	ND	380	1		08/25/00 12:16	P_C	380906
Naphthalene	ND	380	1		08/25/00 12:16	P_C	380906
Phenanthrene	ND	380	1		08/25/00 12:16	P_C	380906
Pyrene	ND	380	1		08/25/00 12:16	P_C	380906
Surr: 2,4,6-Tribromophenol	64.0 %	19-122	1		08/25/00 12:16	P_C	380906
Surr: 2-Fluorobiphenyl	64.7 %	30-115	1		08/25/00 12:16	P_C	380906
Surr: 2-Fluorophenol	68.0 %	25-121	1		08/25/00 12:16	P_C	380906
Surr: Nitrobenzene-d5	64.7 %	23-120	1		08/25/00 12:16	P_C	380906
Surr: Phenol-d5	64.0 %	24-113	1		08/25/00 12:16	P_C	380906
Surr: Terphenyl-d14	70.6 %	18-137	1		08/25/00 12:16	P_C	380906

Run ID/Seq #: P_000825A-380906

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



Client Sample ID S-14876-082200-JJB-027

Collected: 8/22/00

SPL Sample ID: 00080595-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	58	50		08/24/00 16:49	LT	379455
1,1,2,2-Tetrachloroethane	ND	58	50		08/24/00 16:49	LT	379455
1,1,2-Trichloroethane	ND	58	50		08/24/00 16:49	LT	379455
1,1-Dichloroethane	ND	58	50		08/24/00 16:49	LT	379455
1,1-Dichloroethene	ND	58	50		08/24/00 16:49	LT	379455
1,2-Dichloroethane	ND	58	50		08/24/00 16:49	LT	379455
1,2-Dichloropropane	ND	58	50		08/24/00 16:49	LT	379455
2-Butanone	ND	2900	50		08/24/00 16:49	LT	379455
2-Hexanone	ND	2900	50		08/24/00 16:49	LT	379455
4-Methyl-2-pentanone	ND	2900	50		08/24/00 16:49	LT	379455
Acetone	ND	5800	50		08/24/00 16:49	LT	379455
Benzene	ND	58	50		08/24/00 16:49	LT	379455
Bromodichloromethane	ND	58	50		08/24/00 16:49	LT	379455
Bromoform	ND	58	50		08/24/00 16:49	LT	379455
Bromomethane	ND	58	50		08/24/00 16:49	LT	379455
Carbon disulfide	ND	290	50		08/24/00 16:49	LT	379455
Carbon tetrachloride	ND	58	50		08/24/00 16:49	LT	379455
Chlorobenzene	ND	58	50		08/24/00 16:49	LT	379455
Chloroethane	ND	580	50		08/24/00 16:49	LT	379455
Chloroform	ND	58	50		08/24/00 16:49	LT	379455
Chloromethane	ND	580	50		08/24/00 16:49	LT	379455
dibromochloromethane	ND	58	50		08/24/00 16:49	LT	379455
Ethylbenzene	ND	58	50		08/24/00 16:49	LT	379455
Methylene chloride	ND	290	50		08/24/00 16:49	LT	379455
Styrene	ND	58	50		08/24/00 16:49	LT	379455
Tetrachloroethene	ND	58	50		08/24/00 16:49	LT	379455
Toluene	ND	58	50		08/24/00 16:49	LT	379455
trans-1,3-Dichloropropene	ND	58	50		08/24/00 16:49	LT	379455
Trichloroethene	ND	58	50		08/24/00 16:49	LT	379455
Vinyl chloride	ND	58	50		08/24/00 16:49	LT	379455
cis-1,2-Dichloroethene	ND	58	50		08/24/00 16:49	LT	379455
cis-1,3-Dichloropropene	ND	58	50		08/24/00 16:49	LT	379455
trans-1,2-Dichloroethene	ND	58	50		08/24/00 16:49	LT	379455
Xylenes, Total	ND	170	50		08/24/00 16:49	LT	379455
Surr: 1,2-Dichloroethane-d4	92.0	% 70-120	50		08/24/00 16:49	LT	379455
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 16:49	LT	379455
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 16:49	LT	379455

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Client Sample ID S-14876-082200-JJB-027 Collected: 8/22/00 SPL Sample ID: 00080595-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379455

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



Client Sample ID S-14876-082200-JJB-028 Collected: 8/22/00 SPL Sample ID: 00080595-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.31	1		08/28/00 12:37	PB	381721

Run ID/Seq #: HGL_000828A-381721

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	13.4	2.31	1		08/29/00 14:25	EG	383342
Selenium	ND	0.579	1		08/29/00 14:25	EG	383342
Silver	ND	0.579	1		08/29/00 14:25	EG	383342
Barium	28.9	1.16	1		08/29/00 16:44	E_B	383831
Chromium	12.3	2.89	1		08/29/00 16:44	E_B	383831

Run ID/Seq #: TJAT_000828D-383342

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383831

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	9.84	0.116	1		08/29/00 0:00	SUB	383485
Cadmium	0.15	0.0579	1		08/29/00 0:00	SUB	383485

Run ID/Seq #: 8010_000829A-383485

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	13.6	0	1		08/23/00 17:00	KM	378067

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1221	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1232	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1242	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1248	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1254	ND	380	1		08/25/00 0:40	AR	384297
Aroclor 1260	ND	380	1		08/25/00 0:40	AR	384297
Surr: Tetrachloro-m-xylene	76.9	% 29-121	1		08/25/00 0:40	AR	384297
Surr: Decachlorobiphenyl	97.1	% 27-156	1		08/25/00 0:40	AR	384297

Run ID/Seq #: GS_W_000824A-384297

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082200-JJB-028

Collected: 8/22/00

SPL Sample ID: 00080595-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	380	1		08/25/00 12:45	P_C	380907
Anthracene	ND	380	1		08/25/00 12:45	P_C	380907
Benz(a)anthracene	ND	380	1		08/25/00 12:45	P_C	380907
Benzo(a)pyrene	ND	380	1		08/25/00 12:45	P_C	380907
Benzo(b)fluoranthene	ND	380	1		08/25/00 12:45	P_C	380907
Benzo(g,h,i)perylene	ND	380	1		08/25/00 12:45	P_C	380907
Benzo(k)fluoranthene	ND	380	1		08/25/00 12:45	P_C	380907
Chrysene	ND	380	1		08/25/00 12:45	P_C	380907
Dibenz(a,h)anthracene	ND	380	1		08/25/00 12:45	P_C	380907
Fluoranthene	ND	380	1		08/25/00 12:45	P_C	380907
Fluorene	ND	380	1		08/25/00 12:45	P_C	380907
Indeno(1,2,3-cd)pyrene	ND	380	1		08/25/00 12:45	P_C	380907
Naphthalene	ND	380	1		08/25/00 12:45	P_C	380907
Phenanthrene	ND	380	1		08/25/00 12:45	P_C	380907
Pyrene	ND	380	1		08/25/00 12:45	P_C	380907
Surr: 2,4,6-Tribromophenol	76.0	% 19-122	1		08/25/00 12:45	P_C	380907
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/25/00 12:45	P_C	380907
Surr: 2-Fluorophenol	76.0	% 25-121	1		08/25/00 12:45	P_C	380907
Surr: Nitrobenzene-d5	76.5	% 23-120	1		08/25/00 12:45	P_C	380907
Surr: Phenol-d5	72.0	% 24-113	1		08/25/00 12:45	P_C	380907
Surr: Terphenyl-d14	76.5	% 18-137	1		08/25/00 12:45	P_C	380907

Run ID/Seq #: P_000825A-380907

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082200-JJB-028 Collected: 8/22/00 SPL Sample ID: 00080595-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	58	50		08/24/00 17:17	LT	379456
1,1,2,2-Tetrachloroethane	ND	58	50		08/24/00 17:17	LT	379456
1,1,2-Trichloroethane	ND	58	50		08/24/00 17:17	LT	379456
1,1-Dichloroethane	ND	58	50		08/24/00 17:17	LT	379456
1,1-Dichloroethene	ND	58	50		08/24/00 17:17	LT	379456
1,2-Dichloroethane	ND	58	50		08/24/00 17:17	LT	379456
1,2-Dichloropropane	ND	58	50		08/24/00 17:17	LT	379456
2-Butanone	ND	2900	50		08/24/00 17:17	LT	379456
2-Hexanone	ND	2900	50		08/24/00 17:17	LT	379456
4-Methyl-2-pentanone	ND	2900	50		08/24/00 17:17	LT	379456
Acetone	ND	5800	50		08/24/00 17:17	LT	379456
Benzene	ND	58	50		08/24/00 17:17	LT	379456
Bromodichloromethane	ND	58	50		08/24/00 17:17	LT	379456
Bromoform	ND	58	50		08/24/00 17:17	LT	379456
Bromomethane	ND	58	50		08/24/00 17:17	LT	379456
Carbon disulfide	ND	290	50		08/24/00 17:17	LT	379456
Carbon tetrachloride	ND	58	50		08/24/00 17:17	LT	379456
Chlorobenzene	ND	58	50		08/24/00 17:17	LT	379456
Chloroethane	ND	580	50		08/24/00 17:17	LT	379456
Chloroform	ND	58	50		08/24/00 17:17	LT	379456
Chloromethane	ND	580	50		08/24/00 17:17	LT	379456
dibromochloromethane	ND	58	50		08/24/00 17:17	LT	379456
Ethylbenzene	ND	58	50		08/24/00 17:17	LT	379456
Methylene chloride	ND	290	50		08/24/00 17:17	LT	379456
Styrene	ND	58	50		08/24/00 17:17	LT	379456
Tetrachloroethene	ND	58	50		08/24/00 17:17	LT	379456
Toluene	ND	58	50		08/24/00 17:17	LT	379456
trans-1,3-Dichloropropene	ND	58	50		08/24/00 17:17	LT	379456
Trichloroethene	ND	58	50		08/24/00 17:17	LT	379456
Vinyl chloride	ND	58	50		08/24/00 17:17	LT	379456
cis-1,2-Dichloroethene	ND	58	50		08/24/00 17:17	LT	379456
cis-1,3-Dichloropropene	ND	58	50		08/24/00 17:17	LT	379456
trans-1,2-Dichloroethene	ND	58	50		08/24/00 17:17	LT	379456
Xylenes, Total	ND	170	50		08/24/00 17:17	LT	379456
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 17:17	LT	379456
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 17:17	LT	379456
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 17:17	LT	379456

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



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 (713) 660-0901

Client Sample ID S-14876-082200-JJB-028

Collected: 8/22/00

SPL Sample ID: 00080595-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379456

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-082200-JJB-029

Collected: 8/22/00

SPL Sample ID: 00080595-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.45	1		08/28/00 12:37	PB	381724

Run ID/Seq #: HGL_000828A-381724

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.97	2.45	1		08/29/00 14:32	EG	383343
Selenium	ND	0.612	1		08/29/00 14:32	EG	383343
Silver	ND	0.612	1		08/29/00 14:32	EG	383343
Barium	34.4	1.22	1		08/29/00 16:48	E_B	383833
Chromium	11.3	3.06	1		08/29/00 16:48	E_B	383833

Run ID/Seq #: TJAT_000828D-383343

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383833

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	5.56	0.122	1		08/29/00 0:00	SUB	383487
Cadmium	0.208	0.0612	1		08/29/00 0:00	SUB	383487

Run ID/Seq #: 8010_000829A-383487

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	18.3	0	1		08/23/00 17:00	KM	378068

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1221	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1232	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1242	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1248	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1254	ND	400	1		08/25/00 0:58	AR	384299
Aroclor 1260	ND	400	1		08/25/00 0:58	AR	384299
Surr: Tetrachloro-m-xylene	80.1 %	29-121	1		08/25/00 0:58	AR	384299
Surr: Decachlorobiphenyl	99.4 %	27-156	1		08/25/00 0:58	AR	384299

Run ID/Seq #: GS_W_000824A-384299

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
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Client Sample ID S-14876-082200-JJB-029 Collected: 8/22/00 SPL Sample ID: 00080595-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/25/00 13:14	P_C	380908
Anthracene	ND	400	1		08/25/00 13:14	P_C	380908
Benz(a)anthracene	ND	400	1		08/25/00 13:14	P_C	380908
Benzo(a)pyrene	ND	400	1		08/25/00 13:14	P_C	380908
Benzo(b)fluoranthene	ND	400	1		08/25/00 13:14	P_C	380908
Benzo(g,h,i)perylene	ND	400	1		08/25/00 13:14	P_C	380908
Benzo(k)fluoranthene	ND	400	1		08/25/00 13:14	P_C	380908
Chrysene	ND	400	1		08/25/00 13:14	P_C	380908
Dibenz(a,h)anthracene	ND	400	1		08/25/00 13:14	P_C	380908
Fluoranthene	ND	400	1		08/25/00 13:14	P_C	380908
Fluorene	ND	400	1		08/25/00 13:14	P_C	380908
Indeno(1,2,3-cd)pyrene	ND	400	1		08/25/00 13:14	P_C	380908
Naphthalene	ND	400	1		08/25/00 13:14	P_C	380908
Phenanthrene	ND	400	1		08/25/00 13:14	P_C	380908
Pyrene	ND	400	1		08/25/00 13:14	P_C	380908
Surr: 2,4,6-Tribromophenol	80.0	% 19-122	1		08/25/00 13:14	P_C	380908
Surr: 2-Fluorobiphenyl	82.4	% 30-115	1		08/25/00 13:14	P_C	380908
Surr: 2-Fluorophenol	88.0	% 25-121	1		08/25/00 13:14	P_C	380908
Surr: Nitrobenzene-d5	82.4	% 23-120	1		08/25/00 13:14	P_C	380908
Surr: Phenol-d5	84.0	% 24-113	1		08/25/00 13:14	P_C	380908
Surr: Terphenyl-d14	82.4	% 18-137	1		08/25/00 13:14	P_C	380908

Run ID/Seq #: P_000825A-380908

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-029

Collected: 8/22/00

SPL Sample ID: 00080595-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	61	50		08/24/00 17:44	LT	379457
1,1,2,2-Tetrachloroethane	ND	61	50		08/24/00 17:44	LT	379457
1,1,2-Trichloroethane	ND	61	50		08/24/00 17:44	LT	379457
1,1-Dichloroethane	ND	61	50		08/24/00 17:44	LT	379457
1,1-Dichloroethene	ND	61	50		08/24/00 17:44	LT	379457
1,2-Dichloroethane	ND	61	50		08/24/00 17:44	LT	379457
1,2-Dichloropropane	ND	61	50		08/24/00 17:44	LT	379457
2-Butanone	ND	3100	50		08/24/00 17:44	LT	379457
2-Hexanone	ND	3100	50		08/24/00 17:44	LT	379457
4-Methyl-2-pentanone	ND	3100	50		08/24/00 17:44	LT	379457
Acetone	ND	6100	50		08/24/00 17:44	LT	379457
Benzene	ND	61	50		08/24/00 17:44	LT	379457
Bromodichloromethane	ND	61	50		08/24/00 17:44	LT	379457
Bromoform	ND	61	50		08/24/00 17:44	LT	379457
Bromomethane	ND	61	50		08/24/00 17:44	LT	379457
Carbon disulfide	ND	310	50		08/24/00 17:44	LT	379457
Carbon tetrachloride	ND	61	50		08/24/00 17:44	LT	379457
Chlorobenzene	ND	61	50		08/24/00 17:44	LT	379457
Chloroethane	ND	610	50		08/24/00 17:44	LT	379457
Chloroform	ND	61	50		08/24/00 17:44	LT	379457
Chloromethane	ND	610	50		08/24/00 17:44	LT	379457
dibromochloromethane	ND	61	50		08/24/00 17:44	LT	379457
Ethylbenzene	ND	61	50		08/24/00 17:44	LT	379457
Methylene chloride	ND	310	50		08/24/00 17:44	LT	379457
Styrene	ND	61	50		08/24/00 17:44	LT	379457
Tetrachloroethene	ND	61	50		08/24/00 17:44	LT	379457
Toluene	ND	61	50		08/24/00 17:44	LT	379457
trans-1,3-Dichloropropene	ND	61	50		08/24/00 17:44	LT	379457
Trichloroethene	ND	61	50		08/24/00 17:44	LT	379457
Vinyl chloride	ND	61	50		08/24/00 17:44	LT	379457
cis-1,2-Dichloroethene	ND	61	50		08/24/00 17:44	LT	379457
cis-1,3-Dichloropropene	ND	61	50		08/24/00 17:44	LT	379457
trans-1,2-Dichloroethene	ND	61	50		08/24/00 17:44	LT	379457
Xylenes, Total	ND	180	50		08/24/00 17:44	LT	379457
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 17:44	LT	379457
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 17:44	LT	379457
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 17:44	LT	379457

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



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Client Sample ID S-14876-082200-JJB-029 Collected: 8/22/00 SPL Sample ID: 00080595-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379457

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



Client Sample ID S-14876-082200-JJB-030

Collected: 8/22/00

SPL Sample ID: 00080595-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.31	1		08/28/00 12:37	PB	381725

Run ID/Seq #: HGL_000828A-381725

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.99	2.31	1		08/29/00 14:57	EG	383346
Selenium	ND	0.579	1		08/29/00 14:57	EG	383346
Silver	ND	0.579	1		08/29/00 14:57	EG	383346
Barium	18.4	1.16	1		08/29/00 17:00	E_B	383839
Chromium	6.28	2.89	1		08/29/00 17:00	E_B	383839

Run ID/Seq #: TJAT_000828D-383346

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383839

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	2.01	0.116	1		08/29/00 0:00	SUB	383488
Cadmium	0.162	0.0579	1		08/29/00 0:00	SUB	383488

Run ID/Seq #: 8010_000829A-383488

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	13.6	0	1		08/23/00 17:00	KM	378069

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1221	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1232	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1242	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1248	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1254	ND	380	1		08/25/00 1:16	AR	384301
Aroclor 1260	ND	380	1		08/25/00 1:16	AR	384301
Surr: Tetrachloro-m-xylene	74.8	% 29-121	1		08/25/00 1:16	AR	384301
Surr: Decachlorobiphenyl	95.6	% 27-156	1		08/25/00 1:16	AR	384301

Run ID/Seq #: GS_W_000824A-384301

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



Client Sample ID S-14876-082200-JJB-030

Collected: 8/22/00

SPL Sample ID: 00080595-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	380	1		08/25/00 16:10	P_C	380912
Anthracene	ND	380	1		08/25/00 16:10	P_C	380912
Benzo(a)anthracene	ND	380	1		08/25/00 16:10	P_C	380912
Benzo(a)pyrene	ND	380	1		08/25/00 16:10	P_C	380912
Benzo(b)fluoranthene	ND	380	1		08/25/00 16:10	P_C	380912
Benzo(g,h,i)perylene	ND	380	1		08/25/00 16:10	P_C	380912
Benzo(k)fluoranthene	ND	380	1		08/25/00 16:10	P_C	380912
Chrysene	ND	380	1		08/25/00 16:10	P_C	380912
Dibenz(a,h)anthracene	ND	380	1		08/25/00 16:10	P_C	380912
Fluoranthene	ND	380	1		08/25/00 16:10	P_C	380912
Fluorene	ND	380	1		08/25/00 16:10	P_C	380912
Indeno(1,2,3-cd)pyrene	ND	380	1		08/25/00 16:10	P_C	380912
Naphthalene	ND	380	1		08/25/00 16:10	P_C	380912
Phenanthrene	ND	380	1		08/25/00 16:10	P_C	380912
Pyrene	ND	380	1		08/25/00 16:10	P_C	380912
Surr: 2,4,6-Tribromophenol	80.0 %	19-122	1		08/25/00 16:10	P_C	380912
Surr: 2-Fluorobiphenyl	76.5 %	30-115	1		08/25/00 16:10	P_C	380912
Surr: 2-Fluorophenol	72.0 %	25-121	1		08/25/00 16:10	P_C	380912
Surr: Nitrobenzene-d5	70.6 %	23-120	1		08/25/00 16:10	P_C	380912
Surr: Phenol-d5	68.0 %	24-113	1		08/25/00 16:10	P_C	380912
Surr: Terphenyl-d14	76.5 %	18-137	1		08/25/00 16:10	P_C	380912

Run ID/Seq #: P_000825A-380912

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-030

Collected: 8/22/00

SPL Sample ID: 00080595-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	58	50		08/24/00 18:10	LT	379458
1,1,1,2-Tetrachloroethane	ND	58	50		08/24/00 18:10	LT	379458
1,1,2-Trichloroethane	ND	58	50		08/24/00 18:10	LT	379458
1,1-Dichloroethane	ND	58	50		08/24/00 18:10	LT	379458
1,1-Dichloroethene	ND	58	50		08/24/00 18:10	LT	379458
1,2-Dichloroethane	ND	58	50		08/24/00 18:10	LT	379458
1,2-Dichloropropane	ND	58	50		08/24/00 18:10	LT	379458
2-Butanone	ND	2900	50		08/24/00 18:10	LT	379458
2-Hexanone	ND	2900	50		08/24/00 18:10	LT	379458
4-Methyl-2-pentanone	ND	2900	50		08/24/00 18:10	LT	379458
Acetone	ND	5800	50		08/24/00 18:10	LT	379458
Benzene	ND	58	50		08/24/00 18:10	LT	379458
Bromodichloromethane	ND	58	50		08/24/00 18:10	LT	379458
Bromoform	ND	58	50		08/24/00 18:10	LT	379458
Bromomethane	ND	58	50		08/24/00 18:10	LT	379458
Carbon disulfide	ND	290	50		08/24/00 18:10	LT	379458
Carbon tetrachloride	ND	58	50		08/24/00 18:10	LT	379458
Chlorobenzene	ND	58	50		08/24/00 18:10	LT	379458
Chloroethane	ND	580	50		08/24/00 18:10	LT	379458
Chloroform	ND	58	50		08/24/00 18:10	LT	379458
Chloromethane	ND	580	50		08/24/00 18:10	LT	379458
dibromochloromethane	ND	58	50		08/24/00 18:10	LT	379458
Ethylbenzene	ND	58	50		08/24/00 18:10	LT	379458
Methylene chloride	ND	290	50		08/24/00 18:10	LT	379458
Styrene	ND	58	50		08/24/00 18:10	LT	379458
Tetrachloroethene	ND	58	50		08/24/00 18:10	LT	379458
Toluene	ND	58	50		08/24/00 18:10	LT	379458
trans-1,3-Dichloropropene	ND	58	50		08/24/00 18:10	LT	379458
Trichloroethene	ND	58	50		08/24/00 18:10	LT	379458
Vinyl chloride	ND	58	50		08/24/00 18:10	LT	379458
cis-1,2-Dichloroethene	ND	58	50		08/24/00 18:10	LT	379458
cis-1,3-Dichloropropene	ND	58	50		08/24/00 18:10	LT	379458
trans-1,2-Dichloroethene	ND	58	50		08/24/00 18:10	LT	379458
Xylenes, Total	ND	170	50		08/24/00 18:10	LT	379458
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/24/00 18:10	LT	379458
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 18:10	LT	379458
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 18:10	LT	379458

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



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Client Sample ID S-14876-082200-JJB-030 Collected: 8/22/00 SPL Sample ID: 00080595-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379458

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



Client Sample ID S-14876-082200-JJB-031 Collected: 8/22/00 SPL Sample ID: 00080595-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.43	1		08/28/00 12:37	PB	381726

Run ID/Seq #: HGL_000828A-381726

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	7.27	2.43	1		08/29/00 15:04	EG	383347
Selenium	ND	0.608	1		08/29/00 15:04	EG	383347
Silver	ND	0.608	1		08/29/00 15:04	EG	383347
Barium	39.1	1.22	1		08/29/00 17:04	E_B	383840
Chromium	9.4	3.04	1		08/29/00 17:04	E_B	383840

Run ID/Seq #: TJAT_000828D-383347

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383840

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4.65	0.122	1		08/29/00 0:00	SUB	383489
Cadmium	0.17	0.0608	1		08/29/00 0:00	SUB	383489

Run ID/Seq #: 8010_000829A-383489

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	17.8	0	1		08/23/00 17:00	KM	378070

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1221	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1232	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1242	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1248	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1254	ND	400	1		08/25/00 1:34	AR	384304
Aroclor 1260	ND	400	1		08/25/00 1:34	AR	384304
Surr: Tetrachloro-m-xylene	82.7 %	29-121	1		08/25/00 1:34	AR	384304
Surr: Decachlorobiphenyl	100 %	27-156	1		08/25/00 1:34	AR	384304

Run ID/Seq #: GS_W_000824A-384304

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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 (713) 660-0901

Client Sample ID S-14876-082200-JJB-031 Collected: 8/22/00 SPL Sample ID: 00080595-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/25/00 16:39	P_C	380913
Anthracene	ND	400	1		08/25/00 16:39	P_C	380913
Benz(a)anthracene	ND	400	1		08/25/00 16:39	P_C	380913
Benzo(a)pyrene	ND	400	1		08/25/00 16:39	P_C	380913
Benzo(b)fluoranthene	ND	400	1		08/25/00 16:39	P_C	380913
Benzo(g,h,i)perylene	ND	400	1		08/25/00 16:39	P_C	380913
Benzo(k)fluoranthene	ND	400	1		08/25/00 16:39	P_C	380913
Chrysene	ND	400	1		08/25/00 16:39	P_C	380913
Dibenz(a,h)anthracene	ND	400	1		08/25/00 16:39	P_C	380913
Fluoranthene	ND	400	1		08/25/00 16:39	P_C	380913
Fluorene	ND	400	1		08/25/00 16:39	P_C	380913
Indeno(1,2,3-cd)pyrene	ND	400	1		08/25/00 16:39	P_C	380913
Naphthalene	ND	400	1		08/25/00 16:39	P_C	380913
Phenanthrene	ND	400	1		08/25/00 16:39	P_C	380913
Pyrene	ND	400	1		08/25/00 16:39	P_C	380913
Surr: 2,4,6-Tribromophenol	92.0	% 19-122	1		08/25/00 16:39	P_C	380913
Surr: 2-Fluorobiphenyl	88.2	% 30-115	1		08/25/00 16:39	P_C	380913
Surr: 2-Fluorophenol	84.0	% 25-121	1		08/25/00 16:39	P_C	380913
Surr: Nitrobenzene-d5	88.2	% 23-120	1		08/25/00 16:39	P_C	380913
Surr: Phenol-d5	80.0	% 24-113	1		08/25/00 16:39	P_C	380913
Surr: Terphenyl-d14	82.4	% 18-137	1		08/25/00 16:39	P_C	380913

Run ID/Seq #: P_000825A-380913

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-031

Collected: 8/22/00

SPL Sample ID: 00080595-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	61	50		08/24/00 18:37	LT	379459
1,1,2,2-Tetrachloroethane	ND	61	50		08/24/00 18:37	LT	379459
1,1,2-Trichloroethane	ND	61	50		08/24/00 18:37	LT	379459
1,1-Dichloroethane	ND	61	50		08/24/00 18:37	LT	379459
1,1-Dichloroethene	ND	61	50		08/24/00 18:37	LT	379459
1,2-Dichloroethane	ND	61	50		08/24/00 18:37	LT	379459
1,2-Dichloropropane	ND	61	50		08/24/00 18:37	LT	379459
2-Butanone	ND	3000	50		08/24/00 18:37	LT	379459
2-Hexanone	ND	3000	50		08/24/00 18:37	LT	379459
4-Methyl-2-pentanone	ND	3000	50		08/24/00 18:37	LT	379459
Acetone	ND	6100	50		08/24/00 18:37	LT	379459
Benzene	ND	61	50		08/24/00 18:37	LT	379459
Bromodichloromethane	ND	61	50		08/24/00 18:37	LT	379459
Bromoform	ND	61	50		08/24/00 18:37	LT	379459
Bromomethane	ND	61	50		08/24/00 18:37	LT	379459
Carbon disulfide	ND	300	50		08/24/00 18:37	LT	379459
Carbon tetrachloride	ND	61	50		08/24/00 18:37	LT	379459
Chlorobenzene	ND	61	50		08/24/00 18:37	LT	379459
Chloroethane	ND	610	50		08/24/00 18:37	LT	379459
Chloroform	ND	61	50		08/24/00 18:37	LT	379459
Chloromethane	ND	610	50		08/24/00 18:37	LT	379459
dibromochloromethane	ND	61	50		08/24/00 18:37	LT	379459
Ethylbenzene	ND	61	50		08/24/00 18:37	LT	379459
Methylene chloride	ND	300	50		08/24/00 18:37	LT	379459
Styrene	ND	61	50		08/24/00 18:37	LT	379459
Tetrachloroethene	ND	61	50		08/24/00 18:37	LT	379459
Toluene	ND	61	50		08/24/00 18:37	LT	379459
trans-1,3-Dichloropropene	ND	61	50		08/24/00 18:37	LT	379459
Trichloroethene	ND	61	50		08/24/00 18:37	LT	379459
Vinyl chloride	ND	61	50		08/24/00 18:37	LT	379459
cis-1,2-Dichloroethene	ND	61	50		08/24/00 18:37	LT	379459
cis-1,3-Dichloropropene	ND	61	50		08/24/00 18:37	LT	379459
trans-1,2-Dichloroethene	ND	61	50		08/24/00 18:37	LT	379459
Xylenes, Total	ND	180	50		08/24/00 18:37	LT	379459
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 18:37	LT	379459
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 18:37	LT	379459
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 18:37	LT	379459

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



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(713) 660-0901

Client Sample ID S-14876-082200-JJB-031

Collected: 8/22/00

SPL Sample ID: 00080595-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000824B-379459							
Prep Method	Prep Date	Prep Initials					
SW5035	08/23/2000 11:52	PC					

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



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Client Sample ID S-14876-082200-JJB-032 Collected: 8/22/00 SPL Sample ID: 00080595-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.28	1		08/28/00 12:37	PB	381727

Run ID/Seq #: HGL_000828A-381727

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.54	2.28	1		08/29/00 15:11	EG	383348
Selenium	ND	0.569	1		08/29/00 15:11	EG	383348
Silver	ND	0.569	1		08/29/00 15:11	EG	383348
Barium	28.7	1.14	1		08/29/00 17:08	E_B	383841
Chromium	6.67	2.84	1		08/29/00 17:08	E_B	383841

Run ID/Seq #: TJAT_000828D-383348

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383841

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4.4	0.114	1		08/29/00 0:00	SUB	383491
Cadmium	0.25	0.0569	1		08/29/00 0:00	SUB	383491

Run ID/Seq #: 8010_000829A-383491

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	12.1	0	1		08/23/00 17:00	KM	378071

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1221	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1232	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1242	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1248	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1254	ND	380	1		08/25/00 3:40	AR	384306
Aroclor 1260	ND	380	1		08/25/00 3:40	AR	384306
Surr: Tetrachloro-m-xylene	82.8	% 29-121	1		08/25/00 3:40	AR	384306
Surr: Decachlorobiphenyl	90.2	% 27-156	1		08/25/00 3:40	AR	384306

Run ID/Seq #: GS_W_000824A-384306

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-032 Collected: 8/22/00 SPL Sample ID: 00080595-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	380	1		08/25/00 17:08	P_C	380914
Anthracene	ND	380	1		08/25/00 17:08	P_C	380914
Benz(a)anthracene	ND	380	1		08/25/00 17:08	P_C	380914
Benzo(a)pyrene	ND	380	1		08/25/00 17:08	P_C	380914
Benzo(b)fluoranthene	ND	380	1		08/25/00 17:08	P_C	380914
Benzo(g,h,i)perylene	ND	380	1		08/25/00 17:08	P_C	380914
Benzo(k)fluoranthene	ND	380	1		08/25/00 17:08	P_C	380914
Chrysene	ND	380	1		08/25/00 17:08	P_C	380914
Dibenz(a,h)anthracene	ND	380	1		08/25/00 17:08	P_C	380914
Fluoranthene	ND	380	1		08/25/00 17:08	P_C	380914
Fluorene	ND	380	1		08/25/00 17:08	P_C	380914
Indeno(1,2,3-cd)pyrene	ND	380	1		08/25/00 17:08	P_C	380914
Naphthalene	ND	380	1		08/25/00 17:08	P_C	380914
Phenanthrene	ND	380	1		08/25/00 17:08	P_C	380914
Pyrene	ND	380	1		08/25/00 17:08	P_C	380914
Surr: 2,4,6-Tribromophenol	76.0	% 19-122	1		08/25/00 17:08	P_C	380914
Surr: 2-Fluorobiphenyl	76.5	% 30-115	1		08/25/00 17:08	P_C	380914
Surr: 2-Fluorophenol	72.0	% 25-121	1		08/25/00 17:08	P_C	380914
Surr: Nitrobenzene-d5	76.5	% 23-120	1		08/25/00 17:08	P_C	380914
Surr: Phenol-d5	72.0	% 24-113	1		08/25/00 17:08	P_C	380914
Surr: Terphenyl-d14	70.6	% 18-137	1		08/25/00 17:08	P_C	380914

Run ID/Seq #: P_000825A-380914

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-032

Collected: 8/22/00

SPL Sample ID: 00080595-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	57	50		08/24/00 19:04	LT	379460
1,1,2,2-Tetrachloroethane	ND	57	50		08/24/00 19:04	LT	379460
1,1,2-Trichloroethane	ND	57	50		08/24/00 19:04	LT	379460
1,1-Dichloroethane	ND	57	50		08/24/00 19:04	LT	379460
1,1-Dichloroethene	ND	57	50		08/24/00 19:04	LT	379460
1,2-Dichloroethane	ND	57	50		08/24/00 19:04	LT	379460
1,2-Dichloropropane	ND	57	50		08/24/00 19:04	LT	379460
2-Butanone	ND	2800	50		08/24/00 19:04	LT	379460
2-Hexanone	ND	2800	50		08/24/00 19:04	LT	379460
4-Methyl-2-pentanone	ND	2800	50		08/24/00 19:04	LT	379460
Acetone	ND	5700	50		08/24/00 19:04	LT	379460
Benzene	ND	57	50		08/24/00 19:04	LT	379460
Bromodichloromethane	ND	57	50		08/24/00 19:04	LT	379460
Bromoform	ND	57	50		08/24/00 19:04	LT	379460
Bromomethane	ND	57	50		08/24/00 19:04	LT	379460
Carbon disulfide	ND	280	50		08/24/00 19:04	LT	379460
Carbon tetrachloride	ND	57	50		08/24/00 19:04	LT	379460
Chlorobenzene	ND	57	50		08/24/00 19:04	LT	379460
Chloroethane	ND	570	50		08/24/00 19:04	LT	379460
Chloroform	ND	57	50		08/24/00 19:04	LT	379460
Chloromethane	ND	570	50		08/24/00 19:04	LT	379460
dibromochloromethane	ND	57	50		08/24/00 19:04	LT	379460
Ethylbenzene	ND	57	50		08/24/00 19:04	LT	379460
Methylene chloride	ND	280	50		08/24/00 19:04	LT	379460
Styrene	ND	57	50		08/24/00 19:04	LT	379460
Tetrachloroethene	ND	57	50		08/24/00 19:04	LT	379460
Toluene	ND	57	50		08/24/00 19:04	LT	379460
trans-1,3-Dichloropropene	ND	57	50		08/24/00 19:04	LT	379460
Trichloroethene	ND	57	50		08/24/00 19:04	LT	379460
Vinyl chloride	ND	57	50		08/24/00 19:04	LT	379460
cis-1,2-Dichloroethene	ND	57	50		08/24/00 19:04	LT	379460
cis-1,3-Dichloropropene	ND	57	50		08/24/00 19:04	LT	379460
trans-1,2-Dichloroethene	ND	57	50		08/24/00 19:04	LT	379460
Xylenes, Total	ND	170	50		08/24/00 19:04	LT	379460
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 19:04	LT	379460
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 19:04	LT	379460
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 19:04	LT	379460

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
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 J - Estimated Value between MDL and PQL

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 MI - Matrix Interference



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Client Sample ID S-14876-082200-JJB-032 Collected: 8/22/00 SPL Sample ID: 00080595-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379460

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



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Client Sample ID S-14876-082200-JJB-033 Collected: 8/22/00 SPL Sample ID: 00080595-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.12	1		08/28/00 12:37	PB	381729

Run ID/Seq #: HGL_000828A-381729

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	3.6	2.12	1		08/29/00 15:18	EG	383349
Selenium	ND	0.531	1		08/29/00 15:18	EG	383349
Silver	ND	0.531	1		08/29/00 15:18	EG	383349
Barium	6.42	1.06	1		08/29/00 17:12	E_B	383842
Chromium	3.49	2.65	1		08/29/00 17:12	E_B	383842

Run ID/Seq #: TJAT_000828D-383349

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383842

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	1.65	0.106	1		08/29/00 0:00	SUB	383492
Cadmium	0.127	0.0531	1		08/29/00 0:00	SUB	383492

Run ID/Seq #: 8010_000829A-383492

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	5.8	0	1		08/23/00 17:00	KM	378072

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1221	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1232	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1242	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1248	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1254	ND	350	1		08/25/00 3:58	AR	384307
Aroclor 1260	ND	350	1		08/25/00 3:58	AR	384307
Surr: Tetrachloro-m-xylene	79.9 %	29-121	1		08/25/00 3:58	AR	384307
Surr: Decachlorobiphenyl	94.3 %	27-156	1		08/25/00 3:58	AR	384307

Run ID/Seq #: GS_W_000824A-384307

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-033 Collected: 8/22/00 SPL Sample ID: 00080595-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	350	1		08/25/00 17:38	P_C	380915
Anthracene	ND	350	1		08/25/00 17:38	P_C	380915
Benz(a)anthracene	ND	350	1		08/25/00 17:38	P_C	380915
Benzo(a)pyrene	ND	350	1		08/25/00 17:38	P_C	380915
Benzo(b)fluoranthene	ND	350	1		08/25/00 17:38	P_C	380915
Benzo(g,h,i)perylene	ND	350	1		08/25/00 17:38	P_C	380915
Benzo(k)fluoranthene	ND	350	1		08/25/00 17:38	P_C	380915
Chrysene	ND	350	1		08/25/00 17:38	P_C	380915
Dibenz(a,h)anthracene	ND	350	1		08/25/00 17:38	P_C	380915
Fluoranthene	ND	350	1		08/25/00 17:38	P_C	380915
Fluorene	ND	350	1		08/25/00 17:38	P_C	380915
Indeno(1,2,3-cd)pyrene	ND	350	1		08/25/00 17:38	P_C	380915
Naphthalene	ND	350	1		08/25/00 17:38	P_C	380915
Phenanthrene	ND	350	1		08/25/00 17:38	P_C	380915
Pyrene	ND	350	1		08/25/00 17:38	P_C	380915
Surr: 2,4,6-Tribromophenol	84.0	% 19-122	1		08/25/00 17:38	P_C	380915
Surr: 2-Fluorobiphenyl	76.5	% 30-115	1		08/25/00 17:38	P_C	380915
Surr: 2-Fluorophenol	76.0	% 25-121	1		08/25/00 17:38	P_C	380915
Surr: Nitrobenzene-d5	76.5	% 23-120	1		08/25/00 17:38	P_C	380915
Surr: Phenol-d5	72.0	% 24-113	1		08/25/00 17:38	P_C	380915
Surr: Terphenyl-d14	76.5	% 18-137	1		08/25/00 17:38	P_C	380915

Run ID/Seq #: P_000825A-380915

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



Client Sample ID S-14876-082200-JJB-033

Collected: 8/22/00

SPL Sample ID: 00080595-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	53	50		08/24/00 19:30	LT	379461
1,1,2,2-Tetrachloroethane	ND	53	50		08/24/00 19:30	LT	379461
1,1,2-Trichloroethane	ND	53	50		08/24/00 19:30	LT	379461
1,1-Dichloroethane	ND	53	50		08/24/00 19:30	LT	379461
1,1-Dichloroethene	ND	53	50		08/24/00 19:30	LT	379461
1,2-Dichloroethane	ND	53	50		08/24/00 19:30	LT	379461
1,2-Dichloropropane	ND	53	50		08/24/00 19:30	LT	379461
2-Butanone	ND	2700	50		08/24/00 19:30	LT	379461
2-Hexanone	ND	2700	50		08/24/00 19:30	LT	379461
4-Methyl-2-pentanone	ND	2700	50		08/24/00 19:30	LT	379461
Acetone	ND	5300	50		08/24/00 19:30	LT	379461
Benzene	ND	53	50		08/24/00 19:30	LT	379461
Bromodichloromethane	ND	53	50		08/24/00 19:30	LT	379461
Bromoform	ND	53	50		08/24/00 19:30	LT	379461
Bromomethane	ND	53	50		08/24/00 19:30	LT	379461
Carbon disulfide	ND	270	50		08/24/00 19:30	LT	379461
Carbon tetrachloride	ND	53	50		08/24/00 19:30	LT	379461
Chlorobenzene	ND	53	50		08/24/00 19:30	LT	379461
Chloroethane	ND	530	50		08/24/00 19:30	LT	379461
Chloroform	ND	53	50		08/24/00 19:30	LT	379461
Chloromethane	ND	530	50		08/24/00 19:30	LT	379461
dibromochloromethane	ND	53	50		08/24/00 19:30	LT	379461
Ethylbenzene	ND	53	50		08/24/00 19:30	LT	379461
Methylene chloride	ND	270	50		08/24/00 19:30	LT	379461
Styrene	ND	53	50		08/24/00 19:30	LT	379461
Tetrachloroethene	ND	53	50		08/24/00 19:30	LT	379461
Toluene	ND	53	50		08/24/00 19:30	LT	379461
trans-1,3-Dichloropropene	ND	53	50		08/24/00 19:30	LT	379461
Trichloroethene	ND	53	50		08/24/00 19:30	LT	379461
Vinyl chloride	ND	53	50		08/24/00 19:30	LT	379461
cis-1,2-Dichloroethene	ND	53	50		08/24/00 19:30	LT	379461
cis-1,3-Dichloropropene	ND	53	50		08/24/00 19:30	LT	379461
trans-1,2-Dichloroethene	ND	53	50		08/24/00 19:30	LT	379461
Xylenes, Total	ND	160	50		08/24/00 19:30	LT	379461
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/24/00 19:30	LT	379461
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 19:30	LT	379461
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 19:30	LT	379461

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082200-JJB-033 Collected: 8/22/00 SPL Sample ID: 00080595-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379461

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



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Client Sample ID S-14876-082200-JJB-034 Collected: 8/22/00 SPL Sample ID: 00080595-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.39	1		08/28/00 12:37	PB	381730

Run ID/Seq #: HGL_000828A-381730

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	4.04	2.39	1		08/29/00 15:25	EG	383350
Selenium	ND	0.597	1		08/29/00 15:25	EG	383350
Silver	ND	0.597	1		08/29/00 15:25	EG	383350
Barium	10.8	1.19	1		08/29/00 17:16	E_B	383843
Chromium	5.29	2.99	1		08/29/00 17:16	E_B	383843

Run ID/Seq #: TJAT_000828D-383350

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383843

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	2.27	0.119	1		08/29/00 0:00	SUB	383493
Cadmium	0.0717	0.0597	1		08/29/00 0:00	SUB	383493

Run ID/Seq #: 8010_000829A-383493

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	16.3	0	1		08/23/00 17:00	KM	378073

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1221	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1232	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1242	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1248	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1254	ND	390	1		08/25/00 4:16	AR	384308
Aroclor 1260	ND	390	1		08/25/00 4:16	AR	384308
Surr: Tetrachloro-m-xylene	83.0 %	29-121	1		08/25/00 4:16	AR	384308
Surr: Decachlorobiphenyl	98.7 %	27-156	1		08/25/00 4:16	AR	384308

Run ID/Seq #: GS_W_000824A-384308

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-034 Collected: 8/22/00 SPL Sample ID: 00080595-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	390	1		08/25/00 18:07	P_C	380916
Anthracene	ND	390	1		08/25/00 18:07	P_C	380916
Benz(a)anthracene	ND	390	1		08/25/00 18:07	P_C	380916
Benzo(a)pyrene	ND	390	1		08/25/00 18:07	P_C	380916
Benzo(b)fluoranthene	ND	390	1		08/25/00 18:07	P_C	380916
Benzo(g,h,i)perylene	ND	390	1		08/25/00 18:07	P_C	380916
Benzo(k)fluoranthene	ND	390	1		08/25/00 18:07	P_C	380916
Chrysene	ND	390	1		08/25/00 18:07	P_C	380916
Dibenz(a,h)anthracene	ND	390	1		08/25/00 18:07	P_C	380916
Fluoranthene	ND	390	1		08/25/00 18:07	P_C	380916
Fluorene	ND	390	1		08/25/00 18:07	P_C	380916
Indeno(1,2,3-cd)pyrene	ND	390	1		08/25/00 18:07	P_C	380916
Naphthalene	ND	390	1		08/25/00 18:07	P_C	380916
Phenanthrene	ND	390	1		08/25/00 18:07	P_C	380916
Pyrene	ND	390	1		08/25/00 18:07	P_C	380916
Surr: 2,4,6-Tribromophenol	80.0	% 19-122	1		08/25/00 18:07	P_C	380916
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/25/00 18:07	P_C	380916
Surr: 2-Fluorophenol	72.0	% 25-121	1		08/25/00 18:07	P_C	380916
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/25/00 18:07	P_C	380916
Surr: Phenol-d5	68.0	% 24-113	1		08/25/00 18:07	P_C	380916
Surr: Terphenyl-d14	76.5	% 18-137	1		08/25/00 18:07	P_C	380916

Run ID/Seq #: P_000825A-380916

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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 (713) 660-0901

Client Sample ID S-14876-082200-JJB-034

Collected: 8/22/00

SPL Sample ID: 00080595-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/24/00 19:56	LT	379462
1,1,2,2-Tetrachloroethane	ND	60	50		08/24/00 19:56	LT	379462
1,1,2-Trichloroethane	ND	60	50		08/24/00 19:56	LT	379462
1,1-Dichloroethane	ND	60	50		08/24/00 19:56	LT	379462
1,1-Dichloroethene	ND	60	50		08/24/00 19:56	LT	379462
1,2-Dichloroethane	ND	60	50		08/24/00 19:56	LT	379462
1,2-Dichloropropane	ND	60	50		08/24/00 19:56	LT	379462
2-Butanone	ND	3000	50		08/24/00 19:56	LT	379462
2-Hexanone	ND	3000	50		08/24/00 19:56	LT	379462
4-Methyl-2-pentanone	ND	3000	50		08/24/00 19:56	LT	379462
Acetone	ND	6000	50		08/24/00 19:56	LT	379462
Benzene	ND	60	50		08/24/00 19:56	LT	379462
Bromodichloromethane	ND	60	50		08/24/00 19:56	LT	379462
Bromoform	ND	60	50		08/24/00 19:56	LT	379462
Bromomethane	ND	60	50		08/24/00 19:56	LT	379462
Carbon disulfide	ND	300	50		08/24/00 19:56	LT	379462
Carbon tetrachloride	ND	60	50		08/24/00 19:56	LT	379462
Chlorobenzene	ND	60	50		08/24/00 19:56	LT	379462
Chloroethane	ND	600	50		08/24/00 19:56	LT	379462
Chloroform	ND	60	50		08/24/00 19:56	LT	379462
Chloromethane	ND	600	50		08/24/00 19:56	LT	379462
dibromochloromethane	ND	60	50		08/24/00 19:56	LT	379462
Ethylbenzene	ND	60	50		08/24/00 19:56	LT	379462
Methylene chloride	ND	300	50		08/24/00 19:56	LT	379462
Styrene	ND	60	50		08/24/00 19:56	LT	379462
Tetrachloroethene	ND	60	50		08/24/00 19:56	LT	379462
Toluene	ND	60	50		08/24/00 19:56	LT	379462
trans-1,3-Dichloropropene	ND	60	50		08/24/00 19:56	LT	379462
Trichloroethene	ND	60	50		08/24/00 19:56	LT	379462
Vinyl chloride	ND	60	50		08/24/00 19:56	LT	379462
cis-1,2-Dichloroethene	ND	60	50		08/24/00 19:56	LT	379462
cis-1,3-Dichloropropene	ND	60	50		08/24/00 19:56	LT	379462
trans-1,2-Dichloroethene	ND	60	50		08/24/00 19:56	LT	379462
Xylenes, Total	ND	180	50		08/24/00 19:56	LT	379462
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 19:56	LT	379462
Surr: 4-Bromofluorobenzene	108	% 74-130	50		08/24/00 19:56	LT	379462
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 19:56	LT	379462

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



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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Client Sample ID S-14876-082200-JJB-034

Collected: 8/22/00

SPL Sample ID: 00080595-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379462

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



Client Sample ID S-14876-082200-JJB-035 Collected: 8/22/00 SPL Sample ID: 00080595-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.44	1		08/28/00 12:37	PB	381731

Run ID/Seq #: HGL_000828A-381731

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	42.2	2.44	1		08/29/00 15:39	EG	383351
Selenium	ND	0.611	1		08/29/00 15:39	EG	383351
Silver	ND	0.611	1		08/29/00 15:39	EG	383351
Barium	52	1.22	1		08/29/00 17:21	E_B	383844
Chromium	14.4	3.06	1		08/29/00 17:21	E_B	383844

Run ID/Seq #: TJAT_000828D-383351

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383844

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	1.69	0.122	1		08/29/00 0:00	SUB	383495
Cadmium	0.513	0.0611	1		08/29/00 0:00	SUB	383495

Run ID/Seq #: 8010_000829A-383495

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	18.2	0	1		08/23/00 17:00	KM	378074

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1221	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1232	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1242	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1248	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1254	ND	400	10		08/25/00 5:10	AR	384311
Aroclor 1260	ND	400	10		08/25/00 5:10	AR	384311
Surr: Tetrachloro-m-xylene	66.6 %	29-121	10		08/25/00 5:10	AR	384311
Surr: Decachlorobiphenyl	105 %	27-156	10		08/25/00 5:10	AR	384311

Run ID/Seq #: GS_W_000824A-384311

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-035 Collected: 8/22/00 SPL Sample ID: 00080595-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/25/00 19:05	P_C	380918
Anthracene	ND	400	1		08/25/00 19:05	P_C	380918
Benz(a)anthracene	ND	400	1		08/25/00 19:05	P_C	380918
Benzo(a)pyrene	ND	400	1		08/25/00 19:05	P_C	380918
Benzo(b)fluoranthene	ND	400	1		08/25/00 19:05	P_C	380918
Benzo(g,h,i)perylene	ND	400	1		08/25/00 19:05	P_C	380918
Benzo(k)fluoranthene	ND	400	1		08/25/00 19:05	P_C	380918
Chrysene	ND	400	1		08/25/00 19:05	P_C	380918
Dibenz(a,h)anthracene	ND	400	1		08/25/00 19:05	P_C	380918
Fluoranthene	450	400	1		08/25/00 19:05	P_C	380918
Fluorene	ND	400	1		08/25/00 19:05	P_C	380918
Indeno(1,2,3-cd)pyrene	ND	400	1		08/25/00 19:05	P_C	380918
Naphthalene	ND	400	1		08/25/00 19:05	P_C	380918
Phenanthrene	ND	400	1		08/25/00 19:05	P_C	380918
Pyrene	ND	400	1		08/25/00 19:05	P_C	380918
Surr: 2,4,6-Tribromophenol	80.0	% 19-122	1		08/25/00 19:05	P_C	380918
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/25/00 19:05	P_C	380918
Surr: 2-Fluorophenol	68.0	% 25-121	1		08/25/00 19:05	P_C	380918
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/25/00 19:05	P_C	380918
Surr: Phenol-d5	64.0	% 24-113	1		08/25/00 19:05	P_C	380918
Surr: Terphenyl-d14	76.5	% 18-137	1		08/25/00 19:05	P_C	380918

Run ID/Seq #: P_000825A-380918

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-035

Collected: 8/22/00

SPL Sample ID: 00080595-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	61	50		08/24/00 20:23	LT	379463
1,1,2,2-Tetrachloroethane	ND	61	50		08/24/00 20:23	LT	379463
1,1,2-Trichloroethane	ND	61	50		08/24/00 20:23	LT	379463
1,1-Dichloroethane	ND	61	50		08/24/00 20:23	LT	379463
1,1-Dichloroethene	ND	61	50		08/24/00 20:23	LT	379463
1,2-Dichloroethane	ND	61	50		08/24/00 20:23	LT	379463
1,2-Dichloropropane	ND	61	50		08/24/00 20:23	LT	379463
2-Butanone	ND	3100	50		08/24/00 20:23	LT	379463
2-Hexanone	ND	3100	50		08/24/00 20:23	LT	379463
4-Methyl-2-pentanone	ND	3100	50		08/24/00 20:23	LT	379463
Acetone	ND	6100	50		08/24/00 20:23	LT	379463
Benzene	ND	61	50		08/24/00 20:23	LT	379463
Bromodichloromethane	ND	61	50		08/24/00 20:23	LT	379463
Bromoform	ND	61	50		08/24/00 20:23	LT	379463
Bromomethane	ND	61	50		08/24/00 20:23	LT	379463
Carbon disulfide	ND	310	50		08/24/00 20:23	LT	379463
Carbon tetrachloride	ND	61	50		08/24/00 20:23	LT	379463
Chlorobenzene	ND	61	50		08/24/00 20:23	LT	379463
Chloroethane	ND	610	50		08/24/00 20:23	LT	379463
Chloroform	ND	61	50		08/24/00 20:23	LT	379463
Chloromethane	ND	610	50		08/24/00 20:23	LT	379463
dibromochloromethane	ND	61	50		08/24/00 20:23	LT	379463
Ethylbenzene	ND	61	50		08/24/00 20:23	LT	379463
Methylene chloride	ND	310	50		08/24/00 20:23	LT	379463
Styrene	ND	61	50		08/24/00 20:23	LT	379463
Tetrachloroethene	ND	61	50		08/24/00 20:23	LT	379463
Toluene	ND	61	50		08/24/00 20:23	LT	379463
trans-1,3-Dichloropropene	ND	61	50		08/24/00 20:23	LT	379463
Trichloroethene	ND	61	50		08/24/00 20:23	LT	379463
Vinyl chloride	ND	61	50		08/24/00 20:23	LT	379463
cis-1,2-Dichloroethene	ND	61	50		08/24/00 20:23	LT	379463
cis-1,3-Dichloropropene	ND	61	50		08/24/00 20:23	LT	379463
trans-1,2-Dichloroethene	ND	61	50		08/24/00 20:23	LT	379463
Xylenes, Total	ND	180	50		08/24/00 20:23	LT	379463
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 20:23	LT	379463
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 20:23	LT	379463
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 20:23	LT	379463

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



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Client Sample ID S-14876-082200-JJB-035 Collected: 8/22/00 SPL Sample ID: 00080595-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379463

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	IPC

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



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Client Sample ID S-14876-082200-JJB-036 Collected: 8/22/00 SPL Sample ID: 00080595-10

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.25	1		08/28/00 12:37	PB	381732

Run ID/Seq #: HGL_000828A-381732

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	8.47	2.25	1		08/29/00 15:48	EG	383352
Selenium	ND	0.564	1		08/29/00 15:48	EG	383352
Silver	ND	0.564	1		08/29/00 15:48	EG	383352
Barium	43.4	1.13	1		08/29/00 17:25	E_B	383845
Chromium	11.4	2.82	1		08/29/00 17:25	E_B	383845

Run ID/Seq #: TJAT_000828D-383352

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383845

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.37	0.113	1		08/29/00 0:00	SUB	383496
Cadmium	0.158	0.0564	1		08/29/00 0:00	SUB	383496

Run ID/Seq #: 8010_000829A-383496

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	11.3	0	1		08/23/00 17:00	KM	378075

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1221	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1232	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1242	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1248	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1254	ND	370	1		08/25/00 4:34	AR	384309
Aroclor 1260	ND	370	1		08/25/00 4:34	AR	384309
Surr: Tetrachloro-m-xylene	74.2 %	29-121	1		08/25/00 4:34	AR	384309
Surr: Decachlorobiphenyl	102 %	27-156	1		08/25/00 4:34	AR	384309

Run ID/Seq #: GS_W_000824A-384309

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-036 Collected: 8/22/00 SPL Sample ID: 00080595-10

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/25/00 18:36	P_C	380917
Anthracene	ND	370	1		08/25/00 18:36	P_C	380917
Benz(a)anthracene	ND	370	1		08/25/00 18:36	P_C	380917
Benzo(a)pyrene	ND	370	1		08/25/00 18:36	P_C	380917
Benzo(b)fluoranthene	ND	370	1		08/25/00 18:36	P_C	380917
Benzo(g,h,i)perylene	ND	370	1		08/25/00 18:36	P_C	380917
Benzo(k)fluoranthene	ND	370	1		08/25/00 18:36	P_C	380917
Chrysene	ND	370	1		08/25/00 18:36	P_C	380917
Dibenz(a,h)anthracene	ND	370	1		08/25/00 18:36	P_C	380917
Fluoranthene	ND	370	1		08/25/00 18:36	P_C	380917
Fluorene	ND	370	1		08/25/00 18:36	P_C	380917
Indeno(1,2,3-cd)pyrene	ND	370	1		08/25/00 18:36	P_C	380917
Naphthalene	ND	370	1		08/25/00 18:36	P_C	380917
Phenanthrene	ND	370	1		08/25/00 18:36	P_C	380917
Pyrene	ND	370	1		08/25/00 18:36	P_C	380917
Surr: 2,4,6-Tribromophenol	88.0 %	19-122	1		08/25/00 18:36	P_C	380917
Surr: 2-Fluorobiphenyl	82.4 %	30-115	1		08/25/00 18:36	P_C	380917
Surr: 2-Fluorophenol	84.0 %	25-121	1		08/25/00 18:36	P_C	380917
Surr: Nitrobenzene-d5	82.4 %	23-120	1		08/25/00 18:36	P_C	380917
Surr: Phenol-d5	80.0 %	24-113	1		08/25/00 18:36	P_C	380917
Surr: Terphenyl-d14	82.4 %	18-137	1		08/25/00 18:36	P_C	380917

Run ID/Seq #: P_000825A-380917

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



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Client Sample ID S-14876-082200-JJB-036

Collected: 8/22/00

SPL Sample ID: 00080595-10

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/24/00 20:49	LT	379464
1,1,1,2-Tetrachloroethane	ND	56	50		08/24/00 20:49	LT	379464
1,1,2-Trichloroethane	ND	56	50		08/24/00 20:49	LT	379464
1,1-Dichloroethane	ND	56	50		08/24/00 20:49	LT	379464
1,1-Dichloroethene	ND	56	50		08/24/00 20:49	LT	379464
1,2-Dichloroethane	ND	56	50		08/24/00 20:49	LT	379464
1,2-Dichloropropane	ND	56	50		08/24/00 20:49	LT	379464
2-Butanone	ND	2800	50		08/24/00 20:49	LT	379464
2-Hexanone	ND	2800	50		08/24/00 20:49	LT	379464
4-Methyl-2-pentanone	ND	2800	50		08/24/00 20:49	LT	379464
Acetone	ND	5600	50		08/24/00 20:49	LT	379464
Benzene	ND	56	50		08/24/00 20:49	LT	379464
Bromodichloromethane	ND	56	50		08/24/00 20:49	LT	379464
Bromoform	ND	56	50		08/24/00 20:49	LT	379464
Bromomethane	ND	56	50		08/24/00 20:49	LT	379464
Carbon disulfide	ND	280	50		08/24/00 20:49	LT	379464
Carbon tetrachloride	ND	56	50		08/24/00 20:49	LT	379464
Chlorobenzene	ND	56	50		08/24/00 20:49	LT	379464
Chloroethane	ND	560	50		08/24/00 20:49	LT	379464
Chloroform	ND	56	50		08/24/00 20:49	LT	379464
Chloromethane	ND	560	50		08/24/00 20:49	LT	379464
dibromochloromethane	ND	56	50		08/24/00 20:49	LT	379464
Ethylbenzene	ND	56	50		08/24/00 20:49	LT	379464
Methylene chloride	ND	280	50		08/24/00 20:49	LT	379464
Styrene	ND	56	50		08/24/00 20:49	LT	379464
Tetrachloroethene	ND	56	50		08/24/00 20:49	LT	379464
Toluene	ND	56	50		08/24/00 20:49	LT	379464
trans-1,3-Dichloropropene	ND	56	50		08/24/00 20:49	LT	379464
Trichloroethene	ND	56	50		08/24/00 20:49	LT	379464
Vinyl chloride	ND	56	50		08/24/00 20:49	LT	379464
cis-1,2-Dichloroethene	ND	56	50		08/24/00 20:49	LT	379464
cis-1,3-Dichloropropene	ND	56	50		08/24/00 20:49	LT	379464
trans-1,2-Dichloroethene	ND	56	50		08/24/00 20:49	LT	379464
Xylenes, Total	ND	170	50		08/24/00 20:49	LT	379464
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/24/00 20:49	LT	379464
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/24/00 20:49	LT	379464
Surr: Toluene-d8	96.0	% 80-140	50		08/24/00 20:49	LT	379464

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



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Client Sample ID S-14876-082200-JJB-036 Collected: 8/22/00 SPL Sample ID: 00080595-10

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000824B-379464

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



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Client Sample ID S-14876-082200-JJB-037 Collected: 8/22/00 SPL Sample ID: 00080595-11

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.44	1		08/28/00 12:37	PB	381733

Run ID/Seq #: HGL_000828A-381733

Prep Method	Prep Date	Prep Initials
SW7471A	08/28/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	40.8	2.44	1		08/29/00 15:55	EG	383353
Selenium	ND	0.609	1		08/29/00 15:55	EG	383353
Silver	ND	0.609	1		08/29/00 15:55	EG	383353
Barium	43.5	1.22	1		08/29/00 17:29	E_B	383846
Chromium	6.07	3.05	1		08/29/00 17:29	E_B	383846

Run ID/Seq #: TJAT_000828D-383353

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

Run ID/Seq #: TJA_000829B-383846

Prep Method	Prep Date	Prep Initials
SW3050B	08/29/2000 7:15	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	39.3	0.122	1		08/29/00 0:00	SUB	383497
Cadmium	0.475	0.0609	1		08/29/00 0:00	SUB	383497

Run ID/Seq #: 8010_000829A-383497

Prep Method	Prep Date	Prep Initials
	08/28/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	18.1	0	1		08/23/00 17:00	KM	378076

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1221	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1232	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1242	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1248	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1254	ND	400	10		08/25/00 5:28	AR	384312
Aroclor 1260	ND	400	10		08/25/00 5:28	AR	384312
Surr: Tetrachloro-m-xylene	90.2	% 29-121	10		08/25/00 5:28	AR	384312
Surr: Decachlorobiphenyl	104	% 27-156	10		08/25/00 5:28	AR	384312

Run ID/Seq #: GS_W_000824A-384312

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 15:49	J_L

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



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Client Sample ID S-14876-082200-JJB-037

Collected: 8/22/00

SPL Sample ID: 00080595-11

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	3300	800	2		08/25/00 19:34	P_C	380919
Anthracene	ND	800	2		08/25/00 19:34	P_C	380919
Benz(a)anthracene	900	800	2		08/25/00 19:34	P_C	380919
Benzo(a)pyrene	ND	800	2		08/25/00 19:34	P_C	380919
Benzo(b)fluoranthene	840	800	2		08/25/00 19:34	P_C	380919
Benzo(g,h,i)perylene	ND	800	2		08/25/00 19:34	P_C	380919
Benzo(k)fluoranthene	ND	800	2		08/25/00 19:34	P_C	380919
Chrysene	1200	800	2		08/25/00 19:34	P_C	380919
Dibenz(a,h)anthracene	ND	800	2		08/25/00 19:34	P_C	380919
Fluoranthene	1800	800	2		08/25/00 19:34	P_C	380919
Fluorene	ND	800	2		08/25/00 19:34	P_C	380919
Indeno(1,2,3-cd)pyrene	ND	800	2		08/25/00 19:34	P_C	380919
Naphthalene	2200	800	2		08/25/00 19:34	P_C	380919
Phenanthrene	2600	800	2		08/25/00 19:34	P_C	380919
Pyrene	1500	800	2		08/25/00 19:34	P_C	380919
Surr: 2,4,6-Tribromophenol	88.0	% 19-122	2		08/25/00 19:34	P_C	380919
Surr: 2-Fluorobiphenyl	88.2	% 30-115	2		08/25/00 19:34	P_C	380919
Surr: 2-Fluorophenol	76.0	% 25-121	2		08/25/00 19:34	P_C	380919
Surr: Nitrobenzene-d5	82.4	% 23-120	2		08/25/00 19:34	P_C	380919
Surr: Phenol-d5	72.0	% 24-113	2		08/25/00 19:34	P_C	380919
Surr: Terphenyl-d14	82.4	% 18-137	2		08/25/00 19:34	P_C	380919

Run ID/Seq #: P_000825A-380919

Prep Method	Prep Date	Prep Initials
SW3550A	08/24/2000 15:04	EE

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



Client Sample ID S-14876-082200-JJB-037

Collected: 8/22/00

SPL Sample ID: 00080595-11

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	61	50		08/25/00 12:59	LT	381368
1,1,2,2-Tetrachloroethane	ND	61	50		08/25/00 12:59	LT	381368
1,1,2-Trichloroethane	ND	61	50		08/25/00 12:59	LT	381368
1,1-Dichloroethane	ND	61	50		08/25/00 12:59	LT	381368
1,1-Dichloroethene	ND	61	50		08/25/00 12:59	LT	381368
1,2-Dichloroethane	ND	61	50		08/25/00 12:59	LT	381368
1,2-Dichloropropane	ND	61	50		08/25/00 12:59	LT	381368
2-Butanone	ND	3000	50		08/25/00 12:59	LT	381368
2-Hexanone	ND	3000	50		08/25/00 12:59	LT	381368
4-Methyl-2-pentanone	ND	3000	50		08/25/00 12:59	LT	381368
Acetone	ND	6100	50		08/25/00 12:59	LT	381368
Benzene	ND	61	50		08/25/00 12:59	LT	381368
Bromodichloromethane	ND	61	50		08/25/00 12:59	LT	381368
Bromoform	ND	61	50		08/25/00 12:59	LT	381368
Bromomethane	ND	61	50		08/25/00 12:59	LT	381368
Carbon disulfide	ND	300	50		08/25/00 12:59	LT	381368
Carbon tetrachloride	ND	61	50		08/25/00 12:59	LT	381368
Chlorobenzene	ND	61	50		08/25/00 12:59	LT	381368
Chloroethane	ND	610	50		08/25/00 12:59	LT	381368
Chloroform	ND	61	50		08/25/00 12:59	LT	381368
Chloromethane	ND	610	50		08/25/00 12:59	LT	381368
dibromochloromethane	ND	61	50		08/25/00 12:59	LT	381368
Ethylbenzene	ND	61	50		08/25/00 12:59	LT	381368
Methylene chloride	ND	300	50		08/25/00 12:59	LT	381368
Styrene	ND	61	50		08/25/00 12:59	LT	381368
Tetrachloroethene	ND	61	50		08/25/00 12:59	LT	381368
Toluene	ND	61	50		08/25/00 12:59	LT	381368
trans-1,3-Dichloropropene	ND	61	50		08/25/00 12:59	LT	381368
Trichloroethene	ND	61	50		08/25/00 12:59	LT	381368
Vinyl chloride	ND	61	50		08/25/00 12:59	LT	381368
cis-1,2-Dichloroethene	ND	61	50		08/25/00 12:59	LT	381368
cis-1,3-Dichloropropene	ND	61	50		08/25/00 12:59	LT	381368
trans-1,2-Dichloroethene	ND	61	50		08/25/00 12:59	LT	381368
Xylenes, Total	ND	180	50		08/25/00 12:59	LT	381368
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/25/00 12:59	LT	381368
Surr: 4-Bromofluorobenzene	100	% 74-130	50		08/25/00 12:59	LT	381368
Surr: Toluene-d8	96.0	% 80-140	50		08/25/00 12:59	LT	381368

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



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HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-082200-JJB-037 Collected: 8/22/00 SPL Sample ID: 00080595-11

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000825A-381368

Prep Method	Prep Date	Prep Initials
SW5035	08/23/2000 11:52	PC

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



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080595
 Lab Batch ID: 6802

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000824A-384285 Units: ug/Kg
 Analysis Date: 08/24/2000 18:16 Analyst: AR
 Preparation Date: 08/23/2000 15:49 Prep By: J_L Method SW3550A

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036
00080595-11B	S-14876-082200-JJB-037

Analyte	Result	Rep Limit
Aroclor 1016	ND	33
Aroclor 1221	ND	33
Aroclor 1232	ND	33
Aroclor 1242	ND	33
Aroclor 1248	ND	33
Aroclor 1254	ND	33
Aroclor 1260	ND	33
Surr: Decachlorobiphenyl	109.8	27-156
Surr: Tetrachloro-m-xylene	87.4	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000824A-384283 Units: ug/Kg
 Analysis Date: 08/24/2000 17:58 Analyst: AR
 Preparation Date: 08/23/2000 15:49 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	310	93	50	132
Aroclor 1260	333	330	98	50	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080594-01
 RunID: GS_W_000824A-384318 Units: ug/Kg-dry
 Analysis Date: 08/25/2000 15:58 Analyst: AR
 Preparation Date: 08/23/2000 15:49 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	365	370	101	365	430	118	16.1	30	50	132
Aroclor 1260	ND	365	610	166*	365	550	152*	9.25	24	50	135

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7471A

WorkOrder: 00080595
 Lab Batch ID: 6879

Method Blank

RunID: HGL_000828A-381707 Units: mg/L
 Analysis Date: 08/28/2000 12:37 Analyst: PB
 Preparation Date: 08/28/2000 0:00 Prep By: Method

Analyte	Result	Rep Limit
Mercury	ND	2

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036
00080595-11B	S-14876-082200-JJB-037

Laboratory Control Sample (LCS)

RunID: HGL_000828A-381709 Units: mg/Kg
 Analysis Date: 08/28/2000 12:37 Analyst: PB
 Preparation Date: 08/28/2000 10:45 Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	2.22	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080650-01
 RunID: HGL_000828A-381713 Units: mg/Kg-dry
 Analysis Date: 08/28/2000 12:37 Analyst: PB
 Preparation Date: 08/28/2000 10:45 Prep By: PB Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.347	0.326	92.2	0.347	0.326	92.4	0.263	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080595
 Lab Batch ID: 6906

Method Blank

Samples in Analytical Batch:

RunID: TJA_000829B-383805 Units: mg/Kg
 Analysis Date: 08/29/2000 16:11 Analyst: E_B
 Preparation Date: 08/29/2000 7:15 Prep By: MR Method SW3050B

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036
00080595-11B	S-14876-082200-JJB-037

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_000829B-383808 Units: mg/Kg
 Analysis Date: 08/29/2000 16:15 Analyst: E_B
 Preparation Date: 08/29/2000 7:15 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	99.8	N/A	86	137
Chromium	99.4	84	N/A	76.6	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080595-01
 RunID: TJA_000829B-383815 Units: mg/Kg-dry
 Analysis Date: 08/29/2000 16:23 Analyst: E_B
 Preparation Date: 08/29/2000 7:15 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	25	116	130	90.7	116	132	92.6	2.05	20	75	125
Chromium	8.4	116	105	83.4	116	105	83.3	0.0983	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080595
Lab Batch ID: 6906-T

Method Blank		Samples in Analytical Batch:	
RunID:	TJAT_000828D-383334	Units:	mg/Kg
Analysis Date:	08/29/2000 13:26	Analyst:	EG
Preparation Date:	08/29/2000 7:15	Prep By:	MR Method SW3050B
		Lab Sample ID	Client Sample ID
		00080595-01B	S-14876-082200-JJB-027
		00080595-02B	S-14876-082200-JJB-028
		00080595-03B	S-14876-082200-JJB-029
		00080595-04B	S-14876-082200-JJB-030
		00080595-05B	S-14876-082200-JJB-031
		00080595-06B	S-14876-082200-JJB-032
		00080595-07B	S-14876-082200-JJB-033
		00080595-08B	S-14876-082200-JJB-034
		00080595-09B	S-14876-082200-JJB-035
		00080595-10B	S-14876-082200-JJB-036
		00080595-11B	S-14876-082200-JJB-037

Analyte	Result	Rep Limit
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000828D-383335 Units: mg/Kg
Analysis Date: 08/29/2000 13:33 Analyst: EG
Preparation Date: 08/29/2000 7:15 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	97.8	92	N/A	74.5	121
Selenium	143	118	N/A	106	180
Silver	107	105	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 00080595-01
RunID: TJAT_000828D-383340 Units: mg/Kg-dry
Analysis Date: 08/29/2000 14:11 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Selenium	ND	231.48	192	83	231.48	187	81	2.5	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080595-01
RunID: TJAT_000828D-383337 Units: mg/Kg-dry
Analysis Date: 08/29/2000 13:49 Analyst: EG
Preparation Date: 08/29/2000 7:15 Prep By: MR Method SW3050B

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080595
 Lab Batch ID: 6906-T

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
ad	8.3	116	105	83.3	116	103	82.0	1.60	20	75	125
elenium	ND	231	172	74.3*	231	166	71.5*	3.77	20	75	125
Silver	ND	116	105	90.3	116	101	87.3	3.38	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080595
Lab Batch ID: 6818

Method Blank

RunID: P_000825A-380901 Units: ug/Kg
Analysis Date: 08/25/2000 9:21 Analyst: P_C
Preparation Date: 08/24/2000 15:04 Prep By: EE Method SW3550A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036
00080595-11B	S-14876-082200-JJB-037

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	330
Anthracene	ND	330
Benzo(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Chrysene	ND	330
Dibenz(a,h)anthracene	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Naphthalene	ND	330
Phenanthrene	ND	330
Pyrene	ND	330
Surr: 2,4,6-Tribromophenol	72.0	19-122
Surr: 2-Fluorobiphenyl	76.5	30-115
Surr: 2-Fluorophenol	44.0	25-121
Surr: Nitrobenzene-d5	82.4	23-120
Surr: Phenol-d5	44.0	24-113
Surr: Terphenyl-d14	82.4	18-137

Laboratory Control Sample (LCS)

RunID: P_000825A-380902 Units: ug/Kg
Analysis Date: 08/25/2000 9:50 Analyst: P_C
Preparation Date: 08/24/2000 15:04 Prep By: EE Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1200	71	39	110
1,4-Dichlorobenzene	1700	1200	71	36	110
2,4-Dinitrotoluene	1700	1000	59	50	150
2-Chlorophenol	2500	1900	76	27	123
4-Chloro-3-methylphenol	2500	2500	100	23	110
4-Nitrophenol	2500	1900	76	25	150
Acenaphthene	1700	1300	76	46	125
N-Nitrosodi-n-propylamine	1700	1200	71	41	116
Pentachlorophenol	2500	2100	84	9	125
Phenol	2500	1900	76	12	110
Pyrene	1700	1500	88	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080595
 Lab Batch ID: 6818

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080594-01
 RunID: P_000825A-380904 Units: ug/Kg-dry
 Analysis Date: 08/25/2000 11:18 Analyst: P_C
 Preparation Date: 08/24/2000 15:04 Prep By: EE Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,4-Trichlorobenzene	ND	1860	1100	58	1860	1100	59	1	28	39	110
1,4-Dichlorobenzene	ND	1860	1000	56	1860	1100	59	5	28	36	110
2,4-Dinitrotoluene	ND	1860	1100	59	1860	1200	65	10	50	50	150
Chlorophenol	ND	2740	1600	60	2740	1800	64	6	40	27	123
Chloro-3-methylphenol	ND	2740	2400	88	2740	2600	96	9	42	23	110
4-Nitrophenol	ND	2740	2200	80	2740	2200	80	0	50	25	150
Benaphthene	ND	1860	1300	71	1860	1300	71	0	31	46	125
Nitrosodi-n-propylamine	ND	1860	1100	59	1860	1100	59	0	38	41	116
Pentachlorophenol	ND	2740	2000	72	2740	2200	80	11	50	9	125
Phenol	ND	2740	1600	60	2740	1800	64	6	42	12	110
Toluene	ND	1860	1400	76	1860	1500	82	7	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080595
Lab Batch ID: 6845

RunID: L_000825A-381367 Units: ug/Kg
Analysis Date: 08/25/2000 12:33 Analyst: LT

Method Blank Samples in Analytical Batch:
Lab Sample ID Client Sample ID
00080595-11A S-14876-082200-JJB-037

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	380
Surr: 1,2-Dichloroethane-d4	96.0	70-120
Surr: 4-Bromofluorobenzene	105.6	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: L_000825A-381366 Units: ug/L
Analysis Date: 08/25/2000 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	54	108	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080595
 Lab Batch ID: 6845

Laboratory Control Sample (LCS)

RunID: L_000825A-381366 Units: ug/L
 Analysis Date: 08/25/2000 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	54	108	79	119
Chlorobenzene	50	42	84	74	110
Toluene	50	47	94	73	113
Trichloroethene	50	51	102	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-07
 RunID: L_000825A-381370 Units: ug/Kg-dry
 Analysis Date: 08/25/2000 13:53 Analyst: LT
 Preparation Date: 08/24/2000 11:55 Prep By: LT Method SW5035

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2700	2300	84	2700	2300	84	0	22	59	172
Benzene	ND	2700	2800	104	2700	2800	104	0	21	66	142
Chlorobenzene	ND	2700	2200	80	2700	2200	80	0	21	60	133
Toluene	380	2700	2800	90	2700	2800	90	0	21	59	139
Trichloroethene	ND	2700	2600	96	2700	2600	96	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080595
Lab Batch ID: 6845

Method Blank

RunID: L_000824B-379451 Units: ug/Kg
Analysis Date: 08/24/2000 11:30 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-01A	S-14876-082200-JJB-027
00080595-02A	S-14876-082200-JJB-028
00080595-03A	S-14876-082200-JJB-029
00080595-04A	S-14876-082200-JJB-030
00080595-05A	S-14876-082200-JJB-031
00080595-06A	S-14876-082200-JJB-032
00080595-07A	S-14876-082200-JJB-033
00080595-08A	S-14876-082200-JJB-034
00080595-09A	S-14876-082200-JJB-035
00080595-10A	S-14876-082200-JJB-036

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,1,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	380
Surr: 1,2-Dichloroethane-d4	96.0	70-120
Surr: 4-Bromofluorobenzene	102.4	74-130
Surr: Toluene-d8	92.8	80-140

Laboratory Control Sample (LCS)

RunID: L_000824B-379450 Units: ug/L
Analysis Date: 08/24/2000 10:38 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	51	102	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080595
Lab Batch ID: 6845

Laboratory Control Sample (LCS)

RunID: L_000824B-379450 Units: ug/L
Analysis Date: 08/24/2000 10:38 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	79	119
Chlorobenzene	50	41	82	74	110
Toluene	50	48	96	73	113
Trichloroethene	50	49	98	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080586-01
RunID: L_000824B-379453 Units: ug/Kg
Analysis Date: 08/24/2000 12:23 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
-Dichloroethene	ND	62500	63000	101	62500	61000	98	3	22	59	172
Benzene	29000	62500	100000	114	62500	96000	107	6	21	66	142
Chlorobenzene	ND	62500	52000	83	62500	51000	82	2	21	60	133
Toluene	76000	62500	150000	118	62500	150000	118	0	21	59	139
Trichloroethene	ND	62500	62000	99	62500	59000	94	5	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
Method: SW6020

WorkOrder: 00080595
Lab Batch ID: R19754

Method Blank

RunID: 8010_000829A-384347 Units: mg/Kg
Analysis Date: 08/29/2000 0:00 Analyst: SUB
Preparation Date: 08/29/2000 0:00 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036
00080595-11B	S-14876-082200-JJB-037

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000829A-384348 Units: mg/Kg
Analysis Date: 08/29/2000 0:00 Analyst: SUB
Preparation Date: 08/29/2000 0:00 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	7.64	76	66	95
Cadmium	1	0.78	78	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000829SA
RunID: 8010_000829A-384352 Units: mg/Kg
Analysis Date: 08/29/2000 0:00 Analyst: SUB
Preparation Date: 08/29/2000 0:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	4.8	10	11.1	63.4	10	10.4	56.4*	11.7	20	60	94
Cadmium	0.18	1	0.95	77.0	1	0.88	70.0	9.52	20	67	98

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080595
 Lab Batch ID: R19475

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-01B	S-14876-082200-JJB-027
00080595-02B	S-14876-082200-JJB-028
00080595-03B	S-14876-082200-JJB-029
00080595-04B	S-14876-082200-JJB-030
00080595-05B	S-14876-082200-JJB-031
00080595-06B	S-14876-082200-JJB-032
00080595-07B	S-14876-082200-JJB-033
00080595-08B	S-14876-082200-JJB-034
00080595-09B	S-14876-082200-JJB-035
00080595-10B	S-14876-082200-JJB-036

Sample Duplicate

Original Sample: 00080595-01
 RunID: WET_000823G-378065 Units: wt%
 Analysis Date: 08/23/2000 17:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	13.7	13.6	11	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080595
 Lab Batch ID: R19475A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080595-11B	S-14876-082200-JJB-037

Sample Duplicate

Original Sample: 00080595-11
 RunID: WET_000823G-378076 Units: wt%
 Analysis Date: 08/23/2000 17:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	18.1	17.9	1	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

CRA

CONESTOGA-ROVERS & ASSOCIATES, INC.
 11100 Metro Airport Center Drive - Suite 160
 Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):

Southern Petroleum Lab

00080595

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:

14876

PROJECT NAME:

CRA CN # GTR

SAMPLER'S SIGNATURE:

[Signature]

PRINTED NAME:

JERAMY BELL

SEQ. No.	DATE	TIME	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS				REMARKS
					RCRA metals	PWAs	PEBS	TLVOCs	
1	08/22/00	AM	S-14876-082200-JJB-027	3	X	X	X	X	7 day TAT
2		AM	-028	3	X	X	X	X	
3		AM	-029	3	X	X	X	X	
4		AM	-030	3	X	X	X	X	
5		AM	-031	3	X	X	X	X	
6		PM	-032	3	X	X	X	X	
7		PM	-033	3	X	X	X	X	
8		PM	-034	3	X	X	X	X	
9		PM	-035	3	X	X	X	X	
10		PM	-036	3	X	X	X	X	
11		PM	-037	3	X	X	X	X	

RUSH

46

TOTAL NUMBER OF CONTAINERS

33

encore

RELINQUISHED BY:

1. *[Signature]*

DATE:
TIME:

RECEIVED BY:

1. _____

DATE:
TIME:

RELINQUISHED BY:

2. _____

DATE:
TIME:

RECEIVED BY:

2. _____

DATE:
TIME:

RELINQUISHED BY:

3. _____

DATE:
TIME:

RECEIVED BY:

1. _____

DATE:
TIME:

METHOD OF SHIPMENT:

AIR BILL No.

8204 1933 4683

[Signature]

White - Fully Executed Copy
 Yellow - Receiving Laboratory Copy
 Pink - Shipper Copy
 Goldenrod - Sampler Copy

SAMPLE TEAM:

JERAMY BELL

Athina KiriaKopulu

RECEIVED FOR LABORATORY BY:

[Signature]

DATE 8/23/00 TIME: 1000

[Signature]

11028



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080595

Received by: Estrada, Ruben

Date and Time Received: 8/23/00 10:00:00 AM

Carrier name: FedEx

Temperature: 4

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	



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 HOUSTON, TEXAS 77054
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Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080503

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	8/31/00
48174-		
ph: (734) 942-0909	fax: (734) 942-3080	

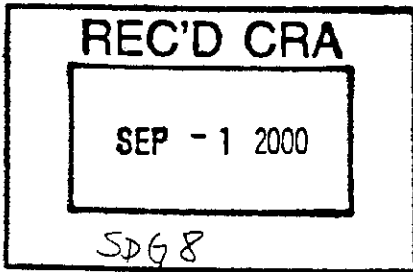
Your sample ID "S-14876-081700-JJB-009" (SPL ID: 00080503-01) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Lead (Batch ID: 6751-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any additional data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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



ORIGINAL ANALYTICAL REPORT

Project#: 14876 **Lab#:** 00080503

Name: CN + GrandTrack

Description

Event: Phase II ESA

Sample: 9 Soil (9-12)

Analysis: VOC, PNA, SWC, PCB, ERRA metals

TAT: 7 days - met

Lab: SPL

Checked Against Preliminary Data:

Date: 9/5/2000 **Init:** no

Date of Validation Month: _____

Invoice Approval Date: _____

Comments: _____

Sonia West
 West, Sonia
 Senior Project Manager

8/31/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080503

<u>Report To:</u> Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	<u>Project Name:</u> #14876, CN & Grand Trunk RR Propert <u>Site:</u> #14876, CN & Grand Trunk RR Propert <u>Site Address:</u> <u>PO Number:</u> <u>State:</u> Michigan <u>State Cert. No.:</u> <u>Date Reported:</u> 8/31/00
---	---

Your sample ID "S-14876-081700-JJB-009" (SPL ID: 00080503-01) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Lead (Batch ID: 6751-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDS) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

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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.



Sonia West
 West, Sonia
 Senior Project Manager

8/31/00

Date



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 (713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080503

<p>Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080</p>	<p>Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00</p>
<p>Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080</p>	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
-14876-081700-JJB-009	00080503-01	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
-14876-081700-JJB-100	00080503-02	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
S-14876-081700-JJB-102	00080503-03	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
S-14876-081700-JJB-103	00080503-04	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
-14876-081700-JJB-104	00080503-05	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
-14876-081700-JJB-105	00080503-06	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
S-14876-081700-JJB-010	00080503-07	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
-14876-081700-JJB-011	00080503-08	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>
-14876-081700-JJB-012	00080503-09	Soil	8/17/00	8/18/00 10:00:00 AM	11021	<input type="checkbox"/>

REC'D CRA
 SEP - 1 2000

Sonia West
 West, Sonia
 Senior Project Manager

8/30/00
 Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-009 Collected: 8/17/00 SPL Sample ID: 00080503-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	0.094	0.033	1		08/22/00 12:56	PB	376827

Run ID/Seq #: HGL_000822A-376827

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	62.6	1.18	1		08/24/00 1:01	EG	378576
Chromium	36.8	2.94	1		08/24/00 1:01	EG	378576
Lead	44	2.35	1		08/24/00 1:01	EG	378576
Selenium	0.907	0.588	1		08/24/00 1:01	EG	378576
Silver	ND	0.588	1		08/24/00 1:01	EG	378576

Run ID/Seq #: TJAT_000823A-378576

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	5.05	0.118	1		08/28/00 0:00	SUB	382088
Cadmium	0.541	0.0588	1		08/28/00 0:00	SUB	382088

Run ID/Seq #: 8010_000828A-382088

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	14.7	0	1		08/18/00 16:00	KM	374188

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1221	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1232	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1242	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1248	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1254	ND	390	10		08/19/00 2:51	AR	374544
Aroclor 1260	ND	390	10		08/19/00 2:51	AR	374544
Surr: Tetrachloro-m-xylene	67.1	% 29-121	10		08/19/00 2:51	AR	374544
Surr: Decachlorobiphenyl	97.1	% 27-156	10		08/19/00 2:51	AR	374544

Run ID/Seq #: GS_W_000819A-374544

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 13:35	J_L

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



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Client Sample ID S-14876-081700-JJB-009

Collected: 8/17/00

SPL Sample ID: 00080503-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	390	1		08/18/00 17:20	WW	375326
Anthracene	ND	390	1		08/18/00 17:20	WW	375326
Benz(a)anthracene	ND	390	1		08/18/00 17:20	WW	375326
Benzo(a)pyrene	ND	390	1		08/18/00 17:20	WW	375326
Benzo(b)fluoranthene	ND	390	1		08/18/00 17:20	WW	375326
Benzo(g,h,i)perylene	ND	390	1		08/18/00 17:20	WW	375326
Benzo(k)fluoranthene	ND	390	1		08/18/00 17:20	WW	375326
Chrysene	ND	390	1		08/18/00 17:20	WW	375326
Dibenz(a,h)anthracene	ND	390	1		08/18/00 17:20	WW	375326
Fluoranthene	ND	390	1		08/18/00 17:20	WW	375326
Fluorene	ND	390	1		08/18/00 17:20	WW	375326
Indeno(1,2,3-cd)pyrene	ND	390	1		08/18/00 17:20	WW	375326
Naphthalene	ND	390	1		08/18/00 17:20	WW	375326
Phenanthrene	ND	390	1		08/18/00 17:20	WW	375326
Pyrene	ND	390	1		08/18/00 17:20	WW	375326
Surr: 2,4,6-Tribromophenol	72.0 %	19-122	1		08/18/00 17:20	WW	375326
Surr: 2-Fluorobiphenyl	70.6 %	30-115	1		08/18/00 17:20	WW	375326
Surr: 2-Fluorophenol	72.0 %	25-121	1		08/18/00 17:20	WW	375326
Surr: Nitrobenzene-d5	64.7 %	23-120	1		08/18/00 17:20	WW	375326
Surr: Phenol-d5	76.0 %	24-113	1		08/18/00 17:20	WW	375326
Surr: Terphenyl-d14	88.2 %	18-137	1		08/18/00 17:20	WW	375326

Run ID/Seq #: H_000818B-375326

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



Client Sample ID S-14876-081700-JJB-009

Collected: 8/17/00

SPL Sample ID: 00080503-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	59	50		08/18/00 16:58	LT	375956
1,1,2,2-Tetrachloroethane	ND	59	50		08/18/00 16:58	LT	375956
1,1,2-Trichloroethane	ND	59	50		08/18/00 16:58	LT	375956
1,1-Dichloroethane	ND	59	50		08/18/00 16:58	LT	375956
1,1-Dichloroethene	ND	59	50		08/18/00 16:58	LT	375956
1,2-Dichloroethane	ND	59	50		08/18/00 16:58	LT	375956
1,2-Dichloropropane	ND	59	50		08/18/00 16:58	LT	375956
2-Butanone	ND	2900	50		08/18/00 16:58	LT	375956
2-Hexanone	ND	2900	50		08/18/00 16:58	LT	375956
4-Methyl-2-pentanone	ND	2900	50		08/18/00 16:58	LT	375956
Acetone	ND	5900	50		08/18/00 16:58	LT	375956
Benzene	ND	59	50		08/18/00 16:58	LT	375956
Bromodichloromethane	ND	59	50		08/18/00 16:58	LT	375956
Bromoform	ND	59	50		08/18/00 16:58	LT	375956
Bromomethane	ND	59	50		08/18/00 16:58	LT	375956
Carbon disulfide	ND	290	50		08/18/00 16:58	LT	375956
Carbon tetrachloride	ND	59	50		08/18/00 16:58	LT	375956
Chlorobenzene	ND	59	50		08/18/00 16:58	LT	375956
Chloroethane	ND	590	50		08/18/00 16:58	LT	375956
Chloroform	ND	59	50		08/18/00 16:58	LT	375956
Chloromethane	ND	590	50		08/18/00 16:58	LT	375956
dibromochloromethane	ND	59	50		08/18/00 16:58	LT	375956
Ethylbenzene	ND	59	50		08/18/00 16:58	LT	375956
Methylene chloride	ND	290	50		08/18/00 16:58	LT	375956
Styrene	ND	59	50		08/18/00 16:58	LT	375956
Tetrachloroethene	ND	59	50		08/18/00 16:58	LT	375956
Toluene	ND	59	50		08/18/00 16:58	LT	375956
trans-1,3-Dichloropropene	ND	59	50		08/18/00 16:58	LT	375956
Trichloroethene	ND	59	50		08/18/00 16:58	LT	375956
Vinyl chloride	ND	59	50		08/18/00 16:58	LT	375956
cis-1,2-Dichloroethene	ND	59	50		08/18/00 16:58	LT	375956
cis-1,3-Dichloropropene	ND	59	50		08/18/00 16:58	LT	375956
trans-1,2-Dichloroethene	ND	59	50		08/18/00 16:58	LT	375956
Xylenes, Total	ND	180	50		08/18/00 16:58	LT	375956
Surr: 1,2-Dichloroethane-d4	104	% 70-120	50		08/18/00 16:58	LT	375956
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 16:58	LT	375956
Surr: Toluene-d8	100	% 80-140	50		08/18/00 16:58	LT	375956

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



HOUSTON LABORATORY
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Client Sample ID S-14876-081700-JJB-009

Collected: 8/17/00

SPL Sample ID: 00080503-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375956							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



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Client Sample ID S-14876-081700-JJB-100 Collected: 8/17/00 SPL Sample ID: 00080503-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	ND	0.033	1		08/22/00 12:56	PB	378580

Run ID/Seq #: HGL_000822A-376830

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	42.2	1.24		1	08/24/00 1:41	EG	378582
Chromium	51	3.10		1	08/24/00 1:41	EG	378582
Lead	9.2	2.48		1	08/24/00 1:41	EG	378582
Selenium	ND	0.620		1	08/24/00 1:41	EG	378582
Silver	ND	0.620		1	08/24/00 1:41	EG	378582

Run ID/Seq #: TJAT_000823A-378582

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4	0.124		1	08/28/00 0:00	SUB	382090
Cadmium	0.223	0.0620		1	08/28/00 0:00	SUB	382090

Run ID/Seq #: 8010_000828A-382090

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	19.3	0		1	08/18/00 16:00	KM	374190

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



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Client Sample ID S-14876-081700-JJB-100

Collected: 8/17/00

SPL Sample ID: 00080503-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	410	1		08/21/00 11:50	WW	375608
Anthracene	ND	410	1		08/21/00 11:50	WW	375608
Benz(a)anthracene	ND	410	1		08/21/00 11:50	WW	375608
Benzo(a)pyrene	ND	410	1		08/21/00 11:50	WW	375608
Benzo(b)fluoranthene	ND	410	1		08/21/00 11:50	WW	375608
Benzo(g,h,i)perylene	ND	410	1		08/21/00 11:50	WW	375608
Benzo(k)fluoranthene	ND	410	1		08/21/00 11:50	WW	375608
Chrysene	ND	410	1		08/21/00 11:50	WW	375608
Dibenz(a,h)anthracene	ND	410	1		08/21/00 11:50	WW	375608
Fluoranthene	ND	410	1		08/21/00 11:50	WW	375608
Fluorene	ND	410	1		08/21/00 11:50	WW	375608
Indeno(1,2,3-cd)pyrene	ND	410	1		08/21/00 11:50	WW	375608
Naphthalene	ND	410	1		08/21/00 11:50	WW	375608
Phenanthrene	ND	410	1		08/21/00 11:50	WW	375608
Pyrene	ND	410	1		08/21/00 11:50	WW	375608
Surr: 2,4,6-Tribromophenol	92.0 %	19-122	1		08/21/00 11:50	WW	375608
Surr: 2-Fluorobiphenyl	70.6 %	30-115	1		08/21/00 11:50	WW	375608
Surr: 2-Fluorophenol	72.0 %	25-121	1		08/21/00 11:50	WW	375608
Surr: Nitrobenzene-d5	64.7 %	23-120	1		08/21/00 11:50	WW	375608
Surr: Phenol-d5	64.0 %	24-113	1		08/21/00 11:50	WW	375608
Surr: Terphenyl-d14	76.5 %	18-137	1		08/21/00 11:50	WW	375608

Run ID/Seq #: H_000819A-375608

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



Client Sample ID S-14876-081700-JJB-100

Collected: 8/17/00

SPL Sample ID: 00080503-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	62	50		08/18/00 17:28	LT	375957
1,1,2,2-Tetrachloroethane	ND	62	50		08/18/00 17:28	LT	375957
1,1,2-Trichloroethane	ND	62	50		08/18/00 17:28	LT	375957
1,1-Dichloroethane	ND	62	50		08/18/00 17:28	LT	375957
1,1-Dichloroethene	ND	62	50		08/18/00 17:28	LT	375957
1,2-Dichloroethane	ND	62	50		08/18/00 17:28	LT	375957
1,2-Dichloropropane	ND	62	50		08/18/00 17:28	LT	375957
2-Butanone	ND	3100	50		08/18/00 17:28	LT	375957
2-Hexanone	ND	3100	50		08/18/00 17:28	LT	375957
4-Methyl-2-pentanone	ND	3100	50		08/18/00 17:28	LT	375957
Acetone	ND	6200	50		08/18/00 17:28	LT	375957
Benzene	ND	62	50		08/18/00 17:28	LT	375957
Bromodichloromethane	ND	62	50		08/18/00 17:28	LT	375957
Bromoform	ND	62	50		08/18/00 17:28	LT	375957
Bromomethane	ND	62	50		08/18/00 17:28	LT	375957
Carbon disulfide	ND	310	50		08/18/00 17:28	LT	375957
Carbon tetrachloride	ND	62	50		08/18/00 17:28	LT	375957
Chlorobenzene	ND	62	50		08/18/00 17:28	LT	375957
Chloroethane	ND	620	50		08/18/00 17:28	LT	375957
Chloroform	ND	62	50		08/18/00 17:28	LT	375957
Chloromethane	ND	620	50		08/18/00 17:28	LT	375957
dibromochloromethane	ND	62	50		08/18/00 17:28	LT	375957
Ethylbenzene	ND	62	50		08/18/00 17:28	LT	375957
Methylene chloride	ND	310	50		08/18/00 17:28	LT	375957
Styrene	ND	62	50		08/18/00 17:28	LT	375957
Tetrachloroethene	ND	62	50		08/18/00 17:28	LT	375957
Toluene	ND	62	50		08/18/00 17:28	LT	375957
trans-1,3-Dichloropropene	ND	62	50		08/18/00 17:28	LT	375957
Trichloroethene	ND	62	50		08/18/00 17:28	LT	375957
Vinyl chloride	ND	62	50		08/18/00 17:28	LT	375957
cis-1,2-Dichloroethene	ND	62	50		08/18/00 17:28	LT	375957
cis-1,3-Dichloropropene	ND	62	50		08/18/00 17:28	LT	375957
trans-1,2-Dichloroethene	ND	62	50		08/18/00 17:28	LT	375957
Xylenes, Total	ND	190	50		08/18/00 17:28	LT	375957
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 17:28	LT	375957
Surr: 4-Bromofluorobenzene	100	% 74-130	50		08/18/00 17:28	LT	375957
Surr: Toluene-d8	100	% 80-140	50		08/18/00 17:28	LT	375957

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



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Client Sample ID S-14876-081700-JJB-100

Collected: 8/17/00

SPL Sample ID: 00080503-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375957							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



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Client Sample ID S-14876-081700-JJB-102 Collected: 8/17/00 SPL Sample ID: 00080503-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	ND	0.033	1		08/22/00 12:56	PB	376831

Run ID/Seq #: HGL_000822A-376831

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	41.6	1.13	1		08/24/00 1:48	EG	378583
Chromium	79.8	2.82	1		08/24/00 1:48	EG	378583
Lead	18.7	2.26	1		08/24/00 1:48	EG	378583
Selenium	0.618	0.565	1		08/24/00 1:48	EG	378583
Silver	ND	0.565	1		08/24/00 1:48	EG	378583

Run ID/Seq #: TJAT_000823A-378583

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4.28	0.113	1		08/28/00 0:00	SUB	382092
Cadmium	0.26	0.0565	1		08/28/00 0:00	SUB	382092

Run ID/Seq #: 8010_000828A-382092

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	11.5	0	1		08/18/00 16:00	KM	374191

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



Client Sample ID S-14876-081700-JJB-102

Collected: 8/17/00

SPL Sample ID: 00080503-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/18/00 18:20	WW	375327
Anthracene	ND	370	1		08/18/00 18:20	WW	375327
Benz(a)anthracene	ND	370	1		08/18/00 18:20	WW	375327
Benzo(a)pyrene	ND	370	1		08/18/00 18:20	WW	375327
Benzo(b)fluoranthene	ND	370	1		08/18/00 18:20	WW	375327
Benzo(g,h,i)perylene	ND	370	1		08/18/00 18:20	WW	375327
Benzo(k)fluoranthene	ND	370	1		08/18/00 18:20	WW	375327
Chrysene	ND	370	1		08/18/00 18:20	WW	375327
Dibenz(a,h)anthracene	ND	370	1		08/18/00 18:20	WW	375327
Fluoranthene	ND	370	1		08/18/00 18:20	WW	375327
Fluorene	ND	370	1		08/18/00 18:20	WW	375327
Indeno(1,2,3-cd)pyrene	ND	370	1		08/18/00 18:20	WW	375327
Naphthalene	ND	370	1		08/18/00 18:20	WW	375327
Phenanthrene	ND	370	1		08/18/00 18:20	WW	375327
Pyrene	ND	370	1		08/18/00 18:20	WW	375327
Surr: 2,4,6-Tribromophenol	68.0	% 19-122	1		08/18/00 18:20	WW	375327
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/18/00 18:20	WW	375327
Surr: 2-Fluorophenol	76.0	% 25-121	1		08/18/00 18:20	WW	375327
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/18/00 18:20	WW	375327
Surr: Phenol-d5	80.0	% 24-113	1		08/18/00 18:20	WW	375327
Surr: Terphenyl-d14	82.4	% 18-137	1		08/18/00 18:20	WW	375327

Run ID/Seq #: H_000818B-375327

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



Client Sample ID S-14876-081700-JJB-102

Collected: 8/17/00

SPL Sample ID: 00080503-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/18/00 17:57	LT	375958
1,1,1,2-Tetrachloroethane	ND	56	50		08/18/00 17:57	LT	375958
1,1,2-Trichloroethane	ND	56	50		08/18/00 17:57	LT	375958
1,1-Dichloroethane	ND	56	50		08/18/00 17:57	LT	375958
1,1-Dichloroethene	ND	56	50		08/18/00 17:57	LT	375958
1,2-Dichloroethane	ND	56	50		08/18/00 17:57	LT	375958
1,2-Dichloropropane	ND	56	50		08/18/00 17:57	LT	375958
2-Butanone	ND	2800	50		08/18/00 17:57	LT	375958
2-Hexanone	ND	2800	50		08/18/00 17:57	LT	375958
4-Methyl-2-pentanone	ND	2800	50		08/18/00 17:57	LT	375958
Acetone	ND	5600	50		08/18/00 17:57	LT	375958
Benzene	ND	56	50		08/18/00 17:57	LT	375958
Bromodichloromethane	ND	56	50		08/18/00 17:57	LT	375958
Bromofom	ND	56	50		08/18/00 17:57	LT	375958
Bromomethane	ND	56	50		08/18/00 17:57	LT	375958
Carbon disulfide	ND	280	50		08/18/00 17:57	LT	375958
Carbon tetrachloride	ND	56	50		08/18/00 17:57	LT	375958
Chlorobenzene	ND	56	50		08/18/00 17:57	LT	375958
Chloroethane	ND	560	50		08/18/00 17:57	LT	375958
Chloroform	ND	56	50		08/18/00 17:57	LT	375958
Chloromethane	ND	560	50		08/18/00 17:57	LT	375958
dibromochloromethane	ND	56	50		08/18/00 17:57	LT	375958
Ethylbenzene	ND	56	50		08/18/00 17:57	LT	375958
Methylene chloride	ND	280	50		08/18/00 17:57	LT	375958
Styrene	ND	56	50		08/18/00 17:57	LT	375958
Tetrachloroethene	ND	56	50		08/18/00 17:57	LT	375958
Toluene	ND	56	50		08/18/00 17:57	LT	375958
trans-1,3-Dichloropropene	ND	56	50		08/18/00 17:57	LT	375958
Trichloroethene	ND	56	50		08/18/00 17:57	LT	375958
Vinyl chloride	ND	56	50		08/18/00 17:57	LT	375958
cis-1,2-Dichloroethene	ND	56	50		08/18/00 17:57	LT	375958
cis-1,3-Dichloropropene	ND	56	50		08/18/00 17:57	LT	375958
trans-1,2-Dichloroethene	ND	56	50		08/18/00 17:57	LT	375958
Xylenes,Total	ND	170	50		08/18/00 17:57	LT	375958
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 17:57	LT	375958
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 17:57	LT	375958
Surr: Toluene-d8	100	% 80-140	50		08/18/00 17:57	LT	375958

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



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(713) 660-0901

Client Sample ID S-14876-081700-JJB-102

Collected: 8/17/00

SPL Sample ID: 00080503-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375958							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-103 Collected: 8/17/00 SPL Sample ID: 00080503-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	ND	0.033	1		08/22/00 12:56	PB	376832

Run ID/Seq #: HGL_000822A-376832

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	13.4	1.12		1	08/24/00 2:13	EG	378586
Chromium	25.4	2.80		1	08/24/00 2:13	EG	378586
Lead	5.84	2.24		1	08/24/00 2:13	EG	378586
Selenium	ND	0.560		1	08/24/00 2:13	EG	378586
Silver	ND	0.560		1	08/24/00 2:13	EG	378586

Run ID/Seq #: TJAT_000823A-378586

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.51	0.112		1	08/28/00 0:00	SUB	382094
Cadmium	0.0784	0.0560		1	08/28/00 0:00	SUB	382094

Run ID/Seq #: 8010_000828A-382094

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	10.7	0		1	08/18/00 16:00	KM	374192

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



HOUSTON LABORATORY
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 HOUSTON, TEXAS 77054
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Client Sample ID S-14876-081700-JJB-103 Collected: 8/17/00 SPL Sample ID: 00080503-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370		1	08/18/00 18:49	WW	375328
Anthracene	ND	370		1	08/18/00 18:49	WW	375328
Benz(a)anthracene	ND	370		1	08/18/00 18:49	WW	375328
Benzo(a)pyrene	ND	370		1	08/18/00 18:49	WW	375328
Benzo(b)fluoranthene	ND	370		1	08/18/00 18:49	WW	375328
Benzo(g,h,i)perylene	ND	370		1	08/18/00 18:49	WW	375328
Benzo(k)fluoranthene	ND	370		1	08/18/00 18:49	WW	375328
Chrysene	ND	370		1	08/18/00 18:49	WW	375328
Dibenz(a,h)anthracene	ND	370		1	08/18/00 18:49	WW	375328
Fluoranthene	ND	370		1	08/18/00 18:49	WW	375328
Fluorene	ND	370		1	08/18/00 18:49	WW	375328
Indeno(1,2,3-cd)pyrene	ND	370		1	08/18/00 18:49	WW	375328
Naphthalene	ND	370		1	08/18/00 18:49	WW	375328
Phenanthrene	ND	370		1	08/18/00 18:49	WW	375328
Pyrene	ND	370		1	08/18/00 18:49	WW	375328
Surr: 2,4,6-Tribromophenol	72.0	% 19-122		1	08/18/00 18:49	WW	375328
Surr: 2-Fluorobiphenyl	70.6	% 30-115		1	08/18/00 18:49	WW	375328
Surr: 2-Fluorophenol	80.0	% 25-121		1	08/18/00 18:49	WW	375328
Surr: Nitrobenzene-d5	70.6	% 23-120		1	08/18/00 18:49	WW	375328
Surr: Phenol-d5	84.0	% 24-113		1	08/18/00 18:49	WW	375328
Surr: Terphenyl-d14	88.2	% 18-137		1	08/18/00 18:49	WW	375328

Run ID/Seq #: H_000818B-375328

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



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Client Sample ID S-14876-081700-JJB-103

Collected: 8/17/00

SPL Sample ID: 00080503-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/18/00 18:26	LT	375959
1,1,2,2-Tetrachloroethane	ND	56	50		08/18/00 18:26	LT	375959
1,1,2-Trichloroethane	ND	56	50		08/18/00 18:26	LT	375959
1,1-Dichloroethane	ND	56	50		08/18/00 18:26	LT	375959
1,1-Dichloroethene	ND	56	50		08/18/00 18:26	LT	375959
1,2-Dichloroethane	ND	56	50		08/18/00 18:26	LT	375959
1,2-Dichloropropane	ND	56	50		08/18/00 18:26	LT	375959
2-Butanone	ND	2800	50		08/18/00 18:26	LT	375959
2-Hexanone	ND	2800	50		08/18/00 18:26	LT	375959
4-Methyl-2-pentanone	ND	2800	50		08/18/00 18:26	LT	375959
Acetone	ND	5600	50		08/18/00 18:26	LT	375959
Benzene	ND	56	50		08/18/00 18:26	LT	375959
Bromodichloromethane	ND	56	50		08/18/00 18:26	LT	375959
Bromoform	ND	56	50		08/18/00 18:26	LT	375959
Bromomethane	ND	56	50		08/18/00 18:26	LT	375959
Carbon disulfide	ND	280	50		08/18/00 18:26	LT	375959
Carbon tetrachloride	ND	56	50		08/18/00 18:26	LT	375959
Chlorobenzene	ND	56	50		08/18/00 18:26	LT	375959
Chloroethane	ND	560	50		08/18/00 18:26	LT	375959
Chloroform	ND	56	50		08/18/00 18:26	LT	375959
Chloromethane	ND	560	50		08/18/00 18:26	LT	375959
dibromochloromethane	ND	56	50		08/18/00 18:26	LT	375959
Ethylbenzene	ND	56	50		08/18/00 18:26	LT	375959
Methylene chloride	ND	280	50		08/18/00 18:26	LT	375959
Styrene	ND	56	50		08/18/00 18:26	LT	375959
Tetrachloroethene	ND	56	50		08/18/00 18:26	LT	375959
Toluene	ND	56	50		08/18/00 18:26	LT	375959
trans-1,3-Dichloropropene	ND	56	50		08/18/00 18:26	LT	375959
Trichloroethene	ND	56	50		08/18/00 18:26	LT	375959
Vinyl chloride	ND	56	50		08/18/00 18:26	LT	375959
cis-1,2-Dichloroethene	ND	56	50		08/18/00 18:26	LT	375959
cis-1,3-Dichloropropene	ND	56	50		08/18/00 18:26	LT	375959
trans-1,2-Dichloroethene	ND	56	50		08/18/00 18:26	LT	375959
Xylenes, Total	ND	170	50		08/18/00 18:26	LT	375959
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 18:26	LT	375959
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 18:26	LT	375959
Surr: Toluene-d8	104	% 80-140	50		08/18/00 18:26	LT	375959

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-081700-JJB-103 Collected: 8/17/00 SPL Sample ID: 00080503-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375959							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



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Client Sample ID S-14876-081700-JJB-104 Collected: 8/17/00 SPL Sample ID: 00080503-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	ND	0.033	1		08/22/00 12:56	PB	376835

Run ID/Seq #: HGL_000822A-376835

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	34.6	1.22		1	08/24/00 2:20	EG	378587
Chromium	36	3.05		1	08/24/00 2:20	EG	378587
Lead	15.9	2.44		1	08/24/00 2:20	EG	378587
Selenium	ND	0.609		1	08/24/00 2:20	EG	378587
Silver	ND	0.609		1	08/24/00 2:20	EG	378587

Run ID/Seq #: TJAT_000823A-378587

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4.84	0.122		1	08/28/00 0:00	SUB	382096
Cadmium	0.195	0.0609		1	08/28/00 0:00	SUB	382096

Run ID/Seq #: 8010_000828A-382096

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	17.9	0		1	08/18/00 16:00	KM	374193

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
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 J - Estimated Value between MDL and PQL



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8880 INTERCHANGE DRIVE
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(713) 660-0901

Client Sample ID S-14876-081700-JJB-104

Collected: 8/17/00

SPL Sample ID: 00080503-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	400	1		08/18/00 19:19	WW	375329
1,2-Dichlorobenzene	ND	61	1		08/18/00 19:19	WW	375329
1,3-Dichlorobenzene	ND	61	1		08/18/00 19:19	WW	375329
1,4-Dichlorobenzene	ND	61	1		08/18/00 19:19	WW	375329
2,4,5-Trichlorophenol	ND	2100	1		08/18/00 19:19	WW	375329
2,4,6-Trichlorophenol	ND	400	1		08/18/00 19:19	WW	375329
2,4-Dichlorophenol	ND	400	1		08/18/00 19:19	WW	375329
2,4-Dimethylphenol	ND	400	1		08/18/00 19:19	WW	375329
2,4-Dinitrophenol	ND	2100	1		08/18/00 19:19	WW	375329
2,4-Dinitrotoluene	ND	400	1		08/18/00 19:19	WW	375329
2,6-Dinitrotoluene	ND	400	1		08/18/00 19:19	WW	375329
2-Chloronaphthalene	ND	400	1		08/18/00 19:19	WW	375329
2-Chlorophenol	ND	400	1		08/18/00 19:19	WW	375329
2-Methylnaphthalene	ND	400	1		08/18/00 19:19	WW	375329
2-Nitroaniline	ND	2100	1		08/18/00 19:19	WW	375329
2-Nitrophenol	ND	2100	1		08/18/00 19:19	WW	375329
3,3'-Dichlorobenzidine	ND	2400	1		08/18/00 19:19	WW	375329
3-Nitroaniline	ND	2100	1		08/18/00 19:19	WW	375329
4,6-Dinitro-2-methylphenol	ND	2100	1		08/18/00 19:19	WW	375329
4-Bromophenyl phenyl ether	ND	400	1		08/18/00 19:19	WW	375329
4-Chloro-3-methylphenol	ND	1600	1		08/18/00 19:19	WW	375329
4-Chloroaniline	ND	400	1		08/18/00 19:19	WW	375329
4-Chlorophenyl phenyl ether	ND	400	1		08/18/00 19:19	WW	375329
4-Nitroaniline	ND	2100	1		08/18/00 19:19	WW	375329
4-Nitrophenol	ND	970	1		08/18/00 19:19	WW	375329
Acenaphthene	ND	400	1		08/18/00 19:19	WW	375329
Acenaphthylene	ND	400	1		08/18/00 19:19	WW	375329
Anthracene	ND	400	1		08/18/00 19:19	WW	375329
Benz(a)anthracene	ND	400	1		08/18/00 19:19	WW	375329
Benzo(a)pyrene	ND	400	1		08/18/00 19:19	WW	375329
Benzo(b)fluoranthene	ND	400	1		08/18/00 19:19	WW	375329
Benzo(g,h,i)perylene	ND	400	1		08/18/00 19:19	WW	375329
Benzo(k)fluoranthene	ND	400	1		08/18/00 19:19	WW	375329
Bis(2-chloroethoxy)methane	ND	400	1		08/18/00 19:19	WW	375329
Bis(2-chloroethyl)ether	ND	400	1		08/18/00 19:19	WW	375329
Bis(2-chloroisopropyl)ether	ND	400	1		08/18/00 19:19	WW	375329
Bis(2-ethylhexyl)phthalate	ND	400	1		08/18/00 19:19	WW	375329
Butyl benzyl phthalate	ND	400	1		08/18/00 19:19	WW	375329
Carbazole	ND	400	1		08/18/00 19:19	WW	375329

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-104

Collected: 8/17/00

SPL Sample ID: 00080503-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	400	1		08/18/00 19:19	WW	375329
Di-n-butyl phthalate	ND	400	1		08/18/00 19:19	WW	375329
Di-n-octyl phthalate	ND	400	1		08/18/00 19:19	WW	375329
Dibenz(a,h)anthracene	ND	400	1		08/18/00 19:19	WW	375329
Dibenzofuran	ND	400	1		08/18/00 19:19	WW	375329
Diethyl phthalate	ND	400	1		08/18/00 19:19	WW	375329
Dimethyl phthalate	ND	400	1		08/18/00 19:19	WW	375329
Fluoranthene	ND	400	1		08/18/00 19:19	WW	375329
Fluorene	ND	400	1		08/18/00 19:19	WW	375329
Hexachlorobenzene	ND	400	1		08/18/00 19:19	WW	375329
Hexachlorobutadiene	ND	400	1		08/18/00 19:19	WW	375329
Hexachlorocyclopentadiene	ND	400	1		08/18/00 19:19	WW	375329
Hexachloroethane	ND	120	1		08/18/00 19:19	WW	375329
Indeno(1,2,3-cd)pyrene	ND	400	1		08/18/00 19:19	WW	375329
Isophorone	ND	400	1		08/18/00 19:19	WW	375329
N-Nitrosodi-n-propylamine	ND	400	1		08/18/00 19:19	WW	375329
N-Nitrosodiphenylamine	ND	400	1		08/18/00 19:19	WW	375329
Naphthalene	ND	400	1		08/18/00 19:19	WW	375329
Nitrobenzene	ND	400	1		08/18/00 19:19	WW	375329
Pentachlorophenol	ND	4100	1		08/18/00 19:19	WW	375329
Phenanthrene	ND	400	1		08/18/00 19:19	WW	375329
Phenol	ND	400	1		08/18/00 19:19	WW	375329
Pyrene	ND	400	1		08/18/00 19:19	WW	375329
2-Methylphenol	ND	400	1		08/18/00 19:19	WW	375329
3 & 4-Methylphenol	ND	400	1		08/18/00 19:19	WW	375329
Surr: 2,4,6-Tribromophenol	72.0	% 19-122	1		08/18/00 19:19	WW	375329
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/18/00 19:19	WW	375329
Surr: 2-Fluorophenol	80.0	% 25-121	1		08/18/00 19:19	WW	375329
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/18/00 19:19	WW	375329
Surr: Phenol-d5	76.0	% 24-113	1		08/18/00 19:19	WW	375329
Surr: Terphenyl-d14	94.1	% 18-137	1		08/18/00 19:19	WW	375329

Run ID/Seq #: H_000818B-375329

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



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Client Sample ID S-14876-081700-JJB-104

Collected: 8/17/00

SPL Sample ID: 00080503-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	61	50		08/18/00 18:55	LT	375960
1,1,2,2-Tetrachloroethane	ND	61	50		08/18/00 18:55	LT	375960
1,1,2-Trichloroethane	ND	61	50		08/18/00 18:55	LT	375960
1,1-Dichloroethane	ND	61	50		08/18/00 18:55	LT	375960
1,1-Dichloroethene	ND	61	50		08/18/00 18:55	LT	375960
1,2-Dichloroethane	ND	61	50		08/18/00 18:55	LT	375960
1,2-Dichloropropane	ND	61	50		08/18/00 18:55	LT	375960
2-Butanone	ND	3000	50		08/18/00 18:55	LT	375960
2-Hexanone	ND	3000	50		08/18/00 18:55	LT	375960
4-Methyl-2-pentanone	ND	3000	50		08/18/00 18:55	LT	375960
Acetone	ND	6100	50		08/18/00 18:55	LT	375960
Benzene	ND	61	50		08/18/00 18:55	LT	375960
Bromodichloromethane	ND	61	50		08/18/00 18:55	LT	375960
Bromoform	ND	61	50		08/18/00 18:55	LT	375960
Bromomethane	ND	61	50		08/18/00 18:55	LT	375960
Carbon disulfide	ND	300	50		08/18/00 18:55	LT	375960
Carbon tetrachloride	ND	61	50		08/18/00 18:55	LT	375960
Chlorobenzene	ND	61	50		08/18/00 18:55	LT	375960
Chloroethane	ND	610	50		08/18/00 18:55	LT	375960
Chloroform	ND	61	50		08/18/00 18:55	LT	375960
Chloromethane	ND	610	50		08/18/00 18:55	LT	375960
dibromochloromethane	ND	61	50		08/18/00 18:55	LT	375960
Ethylbenzene	ND	61	50		08/18/00 18:55	LT	375960
Methylene chloride	ND	300	50		08/18/00 18:55	LT	375960
Styrene	ND	61	50		08/18/00 18:55	LT	375960
Tetrachloroethene	ND	61	50		08/18/00 18:55	LT	375960
Toluene	ND	61	50		08/18/00 18:55	LT	375960
trans-1,3-Dichloropropene	ND	61	50		08/18/00 18:55	LT	375960
Trichloroethene	ND	61	50		08/18/00 18:55	LT	375960
Vinyl chloride	ND	61	50		08/18/00 18:55	LT	375960
cis-1,2-Dichloroethene	ND	61	50		08/18/00 18:55	LT	375960
cis-1,3-Dichloropropene	ND	61	50		08/18/00 18:55	LT	375960
trans-1,2-Dichloroethene	ND	61	50		08/18/00 18:55	LT	375960
Xylenes, Total	ND	180	50		08/18/00 18:55	LT	375960
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 18:55	LT	375960
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 18:55	LT	375960
Surr: Toluene-d8	100	% 80-140	50		08/18/00 18:55	LT	375960

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-104 Collected: 8/17/00 SPL Sample ID: 00080503-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375960							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



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Client Sample ID S-14876-081700-JJB-105 Collected: 8/17/00 SPL Sample ID: 00080503-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	0.14	0.033	1		08/22/00 12:56	PB	376836

Run ID/Seq #: HGL_000822A-376836

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	64.7	1.60	1		08/24/00 2:26	EG	378588
Chromium	28.4	4.00	1		08/24/00 2:26	EG	378588
Lead	84.4	3.20	1		08/24/00 2:26	EG	378588
Selenium	0.946	0.800	1		08/24/00 2:26	EG	378588
Silver	ND	0.800	1		08/24/00 2:26	EG	378588

Run ID/Seq #: TJAT_000823A-378588

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	15.2	0.160	1		08/28/00 0:00	SUB	382098
Cadmium	0.272	0.0800	1		08/28/00 0:00	SUB	382098

Run ID/Seq #: 8010_000828A-382098

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	37.5	0	1		08/18/00 16:00	KM	374194

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



Client Sample ID S-14876-081700-JJB-105

Collected: 8/17/00

SPL Sample ID: 00080503-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	530	1		08/21/00 12:20	WW	375610
1,2-Dichlorobenzene	ND	80	1		08/21/00 12:20	WW	375610
1,3-Dichlorobenzene	ND	80	1		08/21/00 12:20	WW	375610
1,4-Dichlorobenzene	ND	80	1		08/21/00 12:20	WW	375610
2,4,5-Trichlorophenol	ND	2700	1		08/21/00 12:20	WW	375610
2,4,6-Trichlorophenol	ND	530	1		08/21/00 12:20	WW	375610
2,4-Dichlorophenol	ND	530	1		08/21/00 12:20	WW	375610
2,4-Dimethylphenol	ND	530	1		08/21/00 12:20	WW	375610
2,4-Dinitrophenol	ND	2700	1		08/21/00 12:20	WW	375610
2,4-Dinitrotoluene	ND	530	1		08/21/00 12:20	WW	375610
2,6-Dinitrotoluene	ND	530	1		08/21/00 12:20	WW	375610
2-Chloronaphthalene	ND	530	1		08/21/00 12:20	WW	375610
2-Chlorophenol	ND	530	1		08/21/00 12:20	WW	375610
2-Methylnaphthalene	ND	530	1		08/21/00 12:20	WW	375610
2-Nitroaniline	ND	2700	1		08/21/00 12:20	WW	375610
2-Nitrophenol	ND	2700	1		08/21/00 12:20	WW	375610
3,3'-Dichlorobenzidine	ND	3200	1		08/21/00 12:20	WW	375610
3-Nitroaniline	ND	2700	1		08/21/00 12:20	WW	375610
4,6-Dinitro-2-methylphenol	ND	2700	1		08/21/00 12:20	WW	375610
4-Bromophenyl phenyl ether	ND	530	1		08/21/00 12:20	WW	375610
4-Chloro-3-methylphenol	ND	2100	1		08/21/00 12:20	WW	375610
4-Chloroaniline	ND	530	1		08/21/00 12:20	WW	375610
4-Chlorophenyl phenyl ether	ND	530	1		08/21/00 12:20	WW	375610
4-Nitroaniline	ND	2700	1		08/21/00 12:20	WW	375610
4-Nitrophenol	ND	1300	1		08/21/00 12:20	WW	375610
Acenaphthene	ND	530	1		08/21/00 12:20	WW	375610
Acenaphthylene	ND	530	1		08/21/00 12:20	WW	375610
Anthracene	ND	530	1		08/21/00 12:20	WW	375610
Benz(a)anthracene	ND	530	1		08/21/00 12:20	WW	375610
Benzo(a)pyrene	ND	530	1		08/21/00 12:20	WW	375610
Benzo(b)fluoranthene	ND	530	1		08/21/00 12:20	WW	375610
Benzo(g,h,i)perylene	ND	530	1		08/21/00 12:20	WW	375610
Benzo(k)fluoranthene	ND	530	1		08/21/00 12:20	WW	375610
Bis(2-chloroethoxy)methane	ND	530	1		08/21/00 12:20	WW	375610
Bis(2-chloroethyl)ether	ND	530	1		08/21/00 12:20	WW	375610
Bis(2-chloroisopropyl)ether	ND	530	1		08/21/00 12:20	WW	375610
Bis(2-ethylhexyl)phthalate	ND	530	1		08/21/00 12:20	WW	375610
Butyl benzyl phthalate	ND	530	1		08/21/00 12:20	WW	375610
Carbazole	ND	530	1		08/21/00 12:20	WW	375610

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



Client Sample ID S-14876-081700-JJB-105

Collected: 8/17/00

SPL Sample ID: 00080503-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	530	1		08/21/00 12:20	WW	375610
Di-n-butyl phthalate	ND	530	1		08/21/00 12:20	WW	375610
Di-n-octyl phthalate	ND	530	1		08/21/00 12:20	WW	375610
Dibenz(a,h)anthracene	ND	530	1		08/21/00 12:20	WW	375610
Dibenzofuran	ND	530	1		08/21/00 12:20	WW	375610
Diethyl phthalate	ND	530	1		08/21/00 12:20	WW	375610
Dimethyl phthalate	ND	530	1		08/21/00 12:20	WW	375610
Fluoranthene	ND	530	1		08/21/00 12:20	WW	375610
Fluorene	ND	530	1		08/21/00 12:20	WW	375610
Hexachlorobenzene	ND	530	1		08/21/00 12:20	WW	375610
Hexachlorobutadiene	ND	530	1		08/21/00 12:20	WW	375610
Hexachlorocyclopentadiene	ND	530	1		08/21/00 12:20	WW	375610
Hexachloroethane	ND	160	1		08/21/00 12:20	WW	375610
Indeno(1,2,3-cd)pyrene	ND	530	1		08/21/00 12:20	WW	375610
Isophorone	ND	530	1		08/21/00 12:20	WW	375610
N-Nitrosodi-n-propylamine	ND	530	1		08/21/00 12:20	WW	375610
N-Nitrosodiphenylamine	ND	530	1		08/21/00 12:20	WW	375610
Naphthalene	ND	530	1		08/21/00 12:20	WW	375610
Nitrobenzene	ND	530	1		08/21/00 12:20	WW	375610
Pentachlorophenol	ND	5400	1		08/21/00 12:20	WW	375610
Phenanthrene	ND	530	1		08/21/00 12:20	WW	375610
Phenol	ND	530	1		08/21/00 12:20	WW	375610
Pyrene	ND	530	1		08/21/00 12:20	WW	375610
2-Methylphenol	ND	530	1		08/21/00 12:20	WW	375610
3 & 4-Methylphenol	ND	530	1		08/21/00 12:20	WW	375610
Surr: 2,4,6-Tribromophenol	84.0	% 19-122	1		08/21/00 12:20	WW	375610
Surr: 2-Fluorobiphenyl	55.9	% 30-115	1		08/21/00 12:20	WW	375610
Surr: 2-Fluorophenol	56.0	% 25-121	1		08/21/00 12:20	WW	375610
Surr: Nitrobenzene-d5	52.9	% 23-120	1		08/21/00 12:20	WW	375610
Surr: Phenol-d5	56.0	% 24-113	1		08/21/00 12:20	WW	375610
Surr: Terphenyl-d14	70.6	% 18-137	1		08/21/00 12:20	WW	375610

Run ID/Seq #: H_000819A-375610

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
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 J - Estimated Value between MDL and PQL



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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-105

Collected: 8/17/00

SPL Sample ID: 00080503-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	80	50		08/18/00 19:24	LT	375961
1,1,2,2-Tetrachloroethane	ND	80	50		08/18/00 19:24	LT	375961
1,1,2-Trichloroethane	ND	80	50		08/18/00 19:24	LT	375961
1,1-Dichloroethane	ND	80	50		08/18/00 19:24	LT	375961
1,1-Dichloroethene	ND	80	50		08/18/00 19:24	LT	375961
1,2-Dichloroethane	ND	80	50		08/18/00 19:24	LT	375961
1,2-Dichloropropane	ND	80	50		08/18/00 19:24	LT	375961
2-Butanone	ND	4000	50		08/18/00 19:24	LT	375961
2-Hexanone	ND	4000	50		08/18/00 19:24	LT	375961
4-Methyl-2-pentanone	ND	4000	50		08/18/00 19:24	LT	375961
Acetone	ND	8000	50		08/18/00 19:24	LT	375961
Benzene	ND	80	50		08/18/00 19:24	LT	375961
Bromodichloromethane	ND	80	50		08/18/00 19:24	LT	375961
Bromoform	ND	80	50		08/18/00 19:24	LT	375961
Bromomethane	ND	80	50		08/18/00 19:24	LT	375961
Carbon disulfide	ND	400	50		08/18/00 19:24	LT	375961
Carbon tetrachloride	ND	80	50		08/18/00 19:24	LT	375961
Chlorobenzene	ND	80	50		08/18/00 19:24	LT	375961
Chloroethane	ND	800	50		08/18/00 19:24	LT	375961
Chloroform	ND	80	50		08/18/00 19:24	LT	375961
Chloromethane	ND	800	50		08/18/00 19:24	LT	375961
dibromochloromethane	ND	80	50		08/18/00 19:24	LT	375961
Ethylbenzene	ND	80	50		08/18/00 19:24	LT	375961
Methylene chloride	ND	400	50		08/18/00 19:24	LT	375961
Styrene	ND	80	50		08/18/00 19:24	LT	375961
Tetrachloroethene	ND	80	50		08/18/00 19:24	LT	375961
Toluene	ND	80	50		08/18/00 19:24	LT	375961
trans-1,3-Dichloropropene	ND	80	50		08/18/00 19:24	LT	375961
Trichloroethene	ND	80	50		08/18/00 19:24	LT	375961
Vinyl chloride	ND	80	50		08/18/00 19:24	LT	375961
cis-1,2-Dichloroethene	ND	80	50		08/18/00 19:24	LT	375961
cis-1,3-Dichloropropene	ND	80	50		08/18/00 19:24	LT	375961
trans-1,2-Dichloroethene	ND	80	50		08/18/00 19:24	LT	375961
Xylenes, Total	ND	240	50		08/18/00 19:24	LT	375961
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/18/00 19:24	LT	375961
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 19:24	LT	375961
Surr: Toluene-d8	104	% 80-140	50		08/18/00 19:24	LT	375961

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Client Sample ID S-14876-081700-JJB-105

Collected: 8/17/00

SPL Sample ID: 00080503-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375961							
Prep Method	Prep Date	Prep Initials					
SW5035	08/18/2000 12:59	PC					

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



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Client Sample ID S-14876-081700-JJB-010 Collected: 8/17/00 SPL Sample ID: 00080503-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #	
MERCURY, TOTAL								
			MCL	SW7471A	Units: mg/Kg			
Mercury	ND	0.033	1		08/22/00 12:56	PB	376837	

Run ID/Seq #: HGL_000822A-376837

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL								
			MCL	SW6010B	Units: mg/Kg-dry			
Barium	71.6	1.20	1		08/24/00 2:33	EG	378589	
Chromium	47.8	3.00	1		08/24/00 2:33	EG	378589	
Lead	10.1	2.40	1		08/24/00 2:33	EG	378589	
Selenium	ND	0.600	1		08/24/00 2:33	EG	378589	
Silver	ND	0.600	1		08/24/00 2:33	EG	378589	

Run ID/Seq #: TJAT_000823A-378589

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL								
			MCL	SW6020	Units: mg/Kg-dry			
Arsenic	5.08	0.120	1		08/28/00 0:00	SUB	382100	
Cadmium	0.24	0.0600	1		08/28/00 0:00	SUB	382100	

Run ID/Seq #: 8010_000828A-382100

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE								
			MCL	D2216	Units: wt%			
Percent Moisture	16.7	0	1		08/18/00 16:00	KM	374195	

POLYCHLORINATED BIPHENYLS BY METHOD 8082								
			MCL	SW8082	Units: ug/Kg-dry			
Aroclor 1016	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1221	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1232	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1242	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1248	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1254	ND	400	10		08/19/00 3:09	AR	374545	
Aroclor 1260	ND	400	10		08/19/00 3:09	AR	374545	
Surr: Tetrachloro-m-xylene	69.2	% 29-121	10		08/19/00 3:09	AR	374545	
Surr: Decachlorobiphenyl	98.8	% 27-156	10		08/19/00 3:09	AR	374545	

Run ID/Seq #: GS_W_000819A-374545

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 13:35	J L

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



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Client Sample ID S-14876-081700-JJB-010

Collected: 8/17/00

SPL Sample ID: 00080503-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/18/00 19:49	WW	375330
Anthracene	ND	400	1		08/18/00 19:49	WW	375330
Benz(a)anthracene	ND	400	1		08/18/00 19:49	WW	375330
Benzo(a)pyrene	ND	400	1		08/18/00 19:49	WW	375330
Benzo(b)fluoranthene	ND	400	1		08/18/00 19:49	WW	375330
Benzo(g,h,i)perylene	ND	400	1		08/18/00 19:49	WW	375330
Benzo(k)fluoranthene	ND	400	1		08/18/00 19:49	WW	375330
Chrysene	ND	400	1		08/18/00 19:49	WW	375330
Dibenz(a,h)anthracene	ND	400	1		08/18/00 19:49	WW	375330
Fluoranthene	ND	400	1		08/18/00 19:49	WW	375330
Fluorene	ND	400	1		08/18/00 19:49	WW	375330
Indeno(1,2,3-cd)pyrene	ND	400	1		08/18/00 19:49	WW	375330
Naphthalene	ND	400	1		08/18/00 19:49	WW	375330
Phenanthrene	ND	400	1		08/18/00 19:49	WW	375330
Pyrene	ND	400	1		08/18/00 19:49	WW	375330
Surr: 2,4,6-Tribromophenol	72.0	% 19-122	1		08/18/00 19:49	WW	375330
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/18/00 19:49	WW	375330
Surr: 2-Fluorophenol	80.0	% 25-121	1		08/18/00 19:49	WW	375330
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/18/00 19:49	WW	375330
Surr: Phenol-d5	80.0	% 24-113	1		08/18/00 19:49	WW	375330
Surr: Terphenyl-d14	94.1	% 18-137	1		08/18/00 19:49	WW	375330

Run ID/Seq #: H_000818B-375330

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



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Client Sample ID S-14876-081700-JJB-010

Collected: 8/17/00

SPL Sample ID: 00080503-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/18/00 19:52	LT	375962
1,1,2,2-Tetrachloroethane	ND	60	50		08/18/00 19:52	LT	375962
1,1,2-Trichloroethane	ND	60	50		08/18/00 19:52	LT	375962
1,1-Dichloroethane	ND	60	50		08/18/00 19:52	LT	375962
1,1-Dichloroethene	ND	60	50		08/18/00 19:52	LT	375962
1,2-Dichloroethane	ND	60	50		08/18/00 19:52	LT	375962
1,2-Dichloropropane	ND	60	50		08/18/00 19:52	LT	375962
2-Butanone	ND	3000	50		08/18/00 19:52	LT	375962
2-Hexanone	ND	3000	50		08/18/00 19:52	LT	375962
4-Methyl-2-pentanone	ND	3000	50		08/18/00 19:52	LT	375962
Acetone	ND	6000	50		08/18/00 19:52	LT	375962
Benzene	ND	60	50		08/18/00 19:52	LT	375962
Bromodichloromethane	ND	60	50		08/18/00 19:52	LT	375962
Bromoform	ND	60	50		08/18/00 19:52	LT	375962
Bromomethane	ND	60	50		08/18/00 19:52	LT	375962
Carbon disulfide	ND	300	50		08/18/00 19:52	LT	375962
Carbon tetrachloride	ND	60	50		08/18/00 19:52	LT	375962
Chlorobenzene	ND	60	50		08/18/00 19:52	LT	375962
Chloroethane	ND	600	50		08/18/00 19:52	LT	375962
Chloroform	ND	60	50		08/18/00 19:52	LT	375962
Chloromethane	ND	600	50		08/18/00 19:52	LT	375962
dibromochloromethane	ND	60	50		08/18/00 19:52	LT	375962
Ethylbenzene	ND	60	50		08/18/00 19:52	LT	375962
Methylene chloride	ND	300	50		08/18/00 19:52	LT	375962
Styrene	ND	60	50		08/18/00 19:52	LT	375962
Tetrachloroethene	ND	60	50		08/18/00 19:52	LT	375962
Toluene	ND	60	50		08/18/00 19:52	LT	375962
trans-1,3-Dichloropropene	ND	60	50		08/18/00 19:52	LT	375962
Trichloroethene	ND	60	50		08/18/00 19:52	LT	375962
Vinyl chloride	ND	60	50		08/18/00 19:52	LT	375962
cis-1,2-Dichloroethene	ND	60	50		08/18/00 19:52	LT	375962
cis-1,3-Dichloropropene	ND	60	50		08/18/00 19:52	LT	375962
trans-1,2-Dichloroethene	ND	60	50		08/18/00 19:52	LT	375962
Xylenes, Total	ND	180	50		08/18/00 19:52	LT	375962
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 19:52	LT	375962
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 19:52	LT	375962
Surr: Toluene-d8	100	% 80-140	50		08/18/00 19:52	LT	375962

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-081700-JJB-010 Collected: 8/17/00 SPL Sample ID: 00080503-07

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375962							
Prep Method	Prep Date	Prep Initials					
SW5035	08/18/2000 12:59	PC					

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



Client Sample ID S-14876-081700-JJB-011 Collected: 8/17/00 SPL Sample ID: 00080503-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL							
		MCL	SW7471A		Units: mg/Kg		
Mercury	ND	0.033	1		08/22/00 12:56	PB	376838

Run ID/Seq #: HGL_000822A-376838

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL							
		MCL	SW6010B		Units: mg/Kg-dry		
Barium	39	1.21	1		08/24/00 2:40	EG	378590
Chromium	47.5	3.02	1		08/24/00 2:40	EG	378590
Lead	8.76	2.42	1		08/24/00 2:40	EG	378590
Selenium	0.635	0.605	1		08/24/00 2:40	EG	378590
Silver	ND	0.605	1		08/24/00 2:40	EG	378590

Run ID/Seq #: TJAT_000823A-378590

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL							
		MCL	SW6020		Units: mg/Kg-dry		
Arsenic	6.06	0.121	1		08/28/00 0:00	SUB	382102
Cadmium	0.266	0.0605	1		08/28/00 0:00	SUB	382102

Run ID/Seq #: 8010_000828A-382102

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE							
		MCL	D2216		Units: wt%		
Percent Moisture	17.3	0	1		08/18/00 16:00	KM	374196

POLYCHLORINATED BIPHENYLS BY METHOD 8082							
		MCL	SW8082		Units: ug/Kg-dry		
Aroclor 1016	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1221	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1232	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1242	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1248	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1254	ND	400	10		08/19/00 3:26	AR	374546
Aroclor 1260	ND	400	10		08/19/00 3:26	AR	374546
Surr: Tetrachloro-m-xylene	69.1	% 29-121	10		08/19/00 3:26	AR	374546
Surr: Decachlorobiphenyl	102	% 27-156	10		08/19/00 3:26	AR	374546

Run ID/Seq #: GS_W_000819A-374546

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 13:35	J_L

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-011

Collected: 8/17/00

SPL Sample ID: 00080503-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400	1		08/18/00 20:19	WW	375331
Anthracene	ND	400	1		08/18/00 20:19	WW	375331
Benz(a)anthracene	ND	400	1		08/18/00 20:19	WW	375331
Benzo(a)pyrene	ND	400	1		08/18/00 20:19	WW	375331
Benzo(b)fluoranthene	ND	400	1		08/18/00 20:19	WW	375331
Benzo(g,h,i)perylene	ND	400	1		08/18/00 20:19	WW	375331
Benzo(k)fluoranthene	ND	400	1		08/18/00 20:19	WW	375331
Chrysene	ND	400	1		08/18/00 20:19	WW	375331
Dibenz(a,h)anthracene	ND	400	1		08/18/00 20:19	WW	375331
Fluoranthene	ND	400	1		08/18/00 20:19	WW	375331
Fluorene	ND	400	1		08/18/00 20:19	WW	375331
Indeno(1,2,3-cd)pyrene	ND	400	1		08/18/00 20:19	WW	375331
Naphthalene	ND	400	1		08/18/00 20:19	WW	375331
Phenanthrene	ND	400	1		08/18/00 20:19	WW	375331
Pyrene	ND	400	1		08/18/00 20:19	WW	375331
Surr: 2,4,6-Tribromophenol	80.0 %	19-122	1		08/18/00 20:19	WW	375331
Surr: 2-Fluorobiphenyl	88.2 %	30-115	1		08/18/00 20:19	WW	375331
Surr: 2-Fluorophenol	92.0 %	25-121	1		08/18/00 20:19	WW	375331
Surr: Nitrobenzene-d5	82.4 %	23-120	1		08/18/00 20:19	WW	375331
Surr: Phenol-d5	92.0 %	24-113	1		08/18/00 20:19	WW	375331
Surr: Terphenyl-d14	94.1 %	18-137	1		08/18/00 20:19	WW	375331

Run ID/Seq #: H_000818B-375331

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



Client Sample ID S-14876-081700-JJB-011

Collected: 8/17/00

SPL Sample ID: 00080503-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/18/00 20:21	LT	375963
1,1,2,2-Tetrachloroethane	ND	60	50		08/18/00 20:21	LT	375963
1,1,2-Trichloroethane	ND	60	50		08/18/00 20:21	LT	375963
1,1-Dichloroethane	ND	60	50		08/18/00 20:21	LT	375963
1,1-Dichloroethene	ND	60	50		08/18/00 20:21	LT	375963
1,2-Dichloroethane	ND	60	50		08/18/00 20:21	LT	375963
1,2-Dichloropropane	ND	60	50		08/18/00 20:21	LT	375963
2-Butanone	ND	3000	50		08/18/00 20:21	LT	375963
2-Hexanone	ND	3000	50		08/18/00 20:21	LT	375963
4-Methyl-2-pentanone	ND	3000	50		08/18/00 20:21	LT	375963
Acetone	ND	6000	50		08/18/00 20:21	LT	375963
Benzene	ND	60	50		08/18/00 20:21	LT	375963
Bromodichloromethane	ND	60	50		08/18/00 20:21	LT	375963
Bromoform	ND	60	50		08/18/00 20:21	LT	375963
Bromomethane	ND	60	50		08/18/00 20:21	LT	375963
Carbon disulfide	ND	300	50		08/18/00 20:21	LT	375963
Carbon tetrachloride	ND	60	50		08/18/00 20:21	LT	375963
Chlorobenzene	ND	60	50		08/18/00 20:21	LT	375963
Chloroethane	ND	600	50		08/18/00 20:21	LT	375963
Chloroform	ND	60	50		08/18/00 20:21	LT	375963
Chloromethane	ND	600	50		08/18/00 20:21	LT	375963
dibromochloromethane	ND	60	50		08/18/00 20:21	LT	375963
Ethylbenzene	ND	60	50		08/18/00 20:21	LT	375963
Methylene chloride	ND	300	50		08/18/00 20:21	LT	375963
Styrene	ND	60	50		08/18/00 20:21	LT	375963
Tetrachloroethene	ND	60	50		08/18/00 20:21	LT	375963
Toluene	ND	60	50		08/18/00 20:21	LT	375963
trans-1,3-Dichloropropene	ND	60	50		08/18/00 20:21	LT	375963
Trichloroethene	ND	60	50		08/18/00 20:21	LT	375963
Vinyl chloride	ND	60	50		08/18/00 20:21	LT	375963
cis-1,2-Dichloroethene	ND	60	50		08/18/00 20:21	LT	375963
cis-1,3-Dichloropropene	ND	60	50		08/18/00 20:21	LT	375963
trans-1,2-Dichloroethene	ND	60	50		08/18/00 20:21	LT	375963
Xylenes, Total	ND	180	50		08/18/00 20:21	LT	375963
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 20:21	LT	375963
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 20:21	LT	375963
Surr: Toluene-d8	100	% 80-140	50		08/18/00 20:21	LT	375963

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
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 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-14876-081700-JJB-011 Collected: 8/17/00 SPL Sample ID: 00080503-08

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375963							
Prep Method	Prep Date	Prep Initials					
SW5035	08/18/2000 12:59	PC					

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



Client Sample ID S-14876-081700-JJB-012 Collected: 8/17/00 SPL Sample ID: 00080503-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg		
Mercury	8.1	0.66	20		08/22/00 12:56	PB	376852

Run ID/Seq #: HGL_000822A-376852

Prep Method	Prep Date	Prep Initials
SW7471A	08/22/2000 10:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	42.8	1.18	1		08/24/00 2:47	EG	378591
Chromium	39.6	2.96	1		08/24/00 2:47	EG	378591
Lead	201	2.36	1		08/24/00 2:47	EG	378591
Selenium	0.635	0.591	1		08/24/00 2:47	EG	378591
Silver	ND	0.591	1		08/24/00 2:47	EG	378591

Run ID/Seq #: TJAT_000823A-378591

Prep Method	Prep Date	Prep Initials
SW3050B	08/21/2000 10:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	9.59	0.118	1		08/28/00 0:00	SUB	382104
Cadmium	0.331	0.0591	1		08/28/00 0:00	SUB	382104

Run ID/Seq #: 8010_000828A-382104

Prep Method	Prep Date	Prep Initials
	08/23/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	15.4	0	1		08/18/00 16:00	KM	374197

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1221	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1232	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1242	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1248	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1254	ND	390	10		08/19/00 3:44	AR	374575
Aroclor 1260	ND	390	10		08/19/00 3:44	AR	374575
Surr: Tetrachloro-m-xylene	73.0	% 29-121	10		08/19/00 3:44	AR	374575
Surr: Decachlorobiphenyl	104	% 27-156	10		08/19/00 3:44	AR	374575

Run ID/Seq #: GS_W_000819A-374575

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 13:35	J_L

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



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 HOUSTON, TEXAS 77054
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Client Sample ID S-14876-081700-JJB-012 Collected: 8/17/00 SPL Sample ID: 00080503-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	390	1		08/21/00 12:50	WW	375612
Anthracene	ND	390	1		08/21/00 12:50	WW	375612
Benz(a)anthracene	ND	390	1		08/21/00 12:50	WW	375612
Benzo(a)pyrene	ND	390	1		08/21/00 12:50	WW	375612
Benzo(b)fluoranthene	ND	390	1		08/21/00 12:50	WW	375612
Benzo(g,h,i)perylene	ND	390	1		08/21/00 12:50	WW	375612
Benzo(k)fluoranthene	ND	390	1		08/21/00 12:50	WW	375612
Chrysene	ND	390	1		08/21/00 12:50	WW	375612
Dibenz(a,h)anthracene	ND	390	1		08/21/00 12:50	WW	375612
Fluoranthene	ND	390	1		08/21/00 12:50	WW	375612
Fluorene	ND	390	1		08/21/00 12:50	WW	375612
Indeno(1,2,3-cd)pyrene	ND	390	1		08/21/00 12:50	WW	375612
Naphthalene	ND	390	1		08/21/00 12:50	WW	375612
Phenanthrene	ND	390	1		08/21/00 12:50	WW	375612
Pyrene	ND	390	1		08/21/00 12:50	WW	375612
Surr: 2,4,6-Tribromophenol	100 %	19-122	1		08/21/00 12:50	WW	375612
Surr: 2-Fluorobiphenyl	70.6 %	30-115	1		08/21/00 12:50	WW	375612
Surr: 2-Fluorophenol	72.0 %	25-121	1		08/21/00 12:50	WW	375612
Surr: Nitrobenzene-d5	70.6 %	23-120	1		08/21/00 12:50	WW	375612
Surr: Phenol-d5	68.0 %	24-113	1		08/21/00 12:50	WW	375612
Surr: Terphenyl-d14	88.2 %	18-137	1		08/21/00 12:50	WW	375612

Run ID/Seq #: H_000819A-375612

Prep Method	Prep Date	Prep Initials
SW3550A	08/18/2000 15:27	J_L

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



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Client Sample ID S-14876-081700-JJB-012

Collected: 8/17/00

SPL Sample ID: 00080503-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	59	50		08/18/00 20:48	LT	375964
1,1,2,2-Tetrachloroethane	ND	59	50		08/18/00 20:48	LT	375964
1,1,2-Trichloroethane	ND	59	50		08/18/00 20:48	LT	375964
1,1-Dichloroethane	ND	59	50		08/18/00 20:48	LT	375964
1,1-Dichloroethene	ND	59	50		08/18/00 20:48	LT	375964
1,2-Dichloroethane	ND	59	50		08/18/00 20:48	LT	375964
1,2-Dichloropropane	ND	59	50		08/18/00 20:48	LT	375964
2-Butanone	ND	3000	50		08/18/00 20:48	LT	375964
2-Hexanone	ND	3000	50		08/18/00 20:48	LT	375964
4-Methyl-2-pentanone	ND	3000	50		08/18/00 20:48	LT	375964
Acetone	ND	5900	50		08/18/00 20:48	LT	375964
Benzene	ND	59	50		08/18/00 20:48	LT	375964
Bromodichloromethane	ND	59	50		08/18/00 20:48	LT	375964
Bromoform	ND	59	50		08/18/00 20:48	LT	375964
Bromomethane	ND	59	50		08/18/00 20:48	LT	375964
Carbon disulfide	ND	300	50		08/18/00 20:48	LT	375964
Carbon tetrachloride	ND	59	50		08/18/00 20:48	LT	375964
Chlorobenzene	ND	59	50		08/18/00 20:48	LT	375964
Chloroethane	ND	590	50		08/18/00 20:48	LT	375964
Chloroform	ND	59	50		08/18/00 20:48	LT	375964
Chloromethane	ND	590	50		08/18/00 20:48	LT	375964
dibromochloromethane	ND	59	50		08/18/00 20:48	LT	375964
Ethylbenzene	ND	59	50		08/18/00 20:48	LT	375964
Methylene chloride	ND	300	50		08/18/00 20:48	LT	375964
Styrene	ND	59	50		08/18/00 20:48	LT	375964
Tetrachloroethene	ND	59	50		08/18/00 20:48	LT	375964
Toluene	ND	59	50		08/18/00 20:48	LT	375964
trans-1,3-Dichloropropene	ND	59	50		08/18/00 20:48	LT	375964
Trichloroethene	ND	59	50		08/18/00 20:48	LT	375964
Vinyl chloride	ND	59	50		08/18/00 20:48	LT	375964
cis-1,2-Dichloroethene	ND	59	50		08/18/00 20:48	LT	375964
cis-1,3-Dichloropropene	ND	59	50		08/18/00 20:48	LT	375964
trans-1,2-Dichloroethene	ND	59	50		08/18/00 20:48	LT	375964
Xylenes, Total	ND	180	50		08/18/00 20:48	LT	375964
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/18/00 20:48	LT	375964
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/18/00 20:48	LT	375964
Surr: Toluene-d8	100	% 80-140	50		08/18/00 20:48	LT	375964

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



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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081700-JJB-012

Collected: 8/17/00

SPL Sample ID: 00080503-09

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000818B-375964							
<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>					
SW5035	08/18/2000 12:59	PC					

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



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080503
 Lab Batch ID: 6719

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000819A-374543 Units: ug/Kg
 Analysis Date: 08/19/2000 1:57 Analyst: AR
 Preparation Date: 08/18/2000 13:35 Prep By: J_L Method SW3550A

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
Aroclor 1016	ND	33
Aroclor 1221	ND	33
Aroclor 1232	ND	33
Aroclor 1242	ND	33
Aroclor 1248	ND	33
Aroclor 1254	ND	33
Aroclor 1260	ND	33
Surr: Decachlorobiphenyl	111.5	27-156
Surr: Tetrachloro-m-xylene	83.3	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000819A-374684 Units: ug/Kg
 Analysis Date: 08/19/2000 1:21 Analyst: AR
 Preparation Date: 08/18/2000 13:35 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	410	122	50	132
Aroclor 1260	333	440	132	50	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080500-05
 RunID: GS_W_000819A-374686 Units: ug/Kg
 Analysis Date: 08/19/2000 17:05 Analyst: AR
 Preparation Date: 08/18/2000 13:35 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
roclor 1016	ND	333	280	85.4	333	270	79.7	6.91	30	50	132
roclor 1260	ND	333	270	80.7	333	250	74.7	7.72	24	50	135

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080503
Lab Batch ID: 6751-T

Method Blank

RunID: TJAT_000823A-378574 Units: mg/Kg
Analysis Date: 08/24/2000 0:45 Analyst: EG
Preparation Date: 08/21/2000 10:00 Prep By: MR Method SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-02B	S-14876-081700-JJB-100
00080503-03B	S-14876-081700-JJB-102
00080503-04B	S-14876-081700-JJB-103
00080503-05B	S-14876-081700-JJB-104
00080503-06B	S-14876-081700-JJB-105
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000823A-378575 Units: mg/Kg
Analysis Date: 08/24/2000 0:52 Analyst: EG
Preparation Date: 08/21/2000 10:00 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	103	N/A	86	137
Chromium	99.4	107	N/A	76.6	122
Lead	97.8	97.3	N/A	74.5	121
Selenium	143	131	N/A	106	180
Silver	107	107	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 00080503-01
RunID: TJAT_000823A-378580 Units: mg/Kg-dry
Analysis Date: 08/24/2000 1:28 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	44	117.51	156	95	117.51	158	97	1.8	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080503-01
RunID: TJAT_000823A-378577 Units: mg/Kg-dry
Analysis Date: 08/24/2000 1:08 Analyst: EG
Preparation Date: 08/21/2000 10:00 Prep By: MR Method SW3050B

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080503
 Lab Batch ID: 6751-T

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	63	118	173	93.9	118	168	89.4	4.94	20	75	125
Chromium	37	118	147	93.4	118	146	92.6	0.920	20	75	125
Lead	44	118	222	151*	118	139	80.6	60.8*	20	75	125
Selenium	0.91	235	196	83.2	235	198	83.9	0.862	20	75	125
Copper	ND	118	103	87.8	118	104	88.2	0.516	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
Method: SW7471A

WorkOrder: 00080503
Lab Batch ID: 6764

Method Blank

Samples in Analytical Batch:

RunID: HGL_000822A-376825 Units: mg/L
Analysis Date: 08/22/2000 12:56 Analyst: PB
Preparation Date: 08/22/2000 0:00 Prep By: Method

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-02B	S-14876-081700-JJB-100
00080503-03B	S-14876-081700-JJB-102
00080503-04B	S-14876-081700-JJB-103
00080503-05B	S-14876-081700-JJB-104
00080503-06B	S-14876-081700-JJB-105
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
Mercury	ND	0.033

Laboratory Control Sample (LCS)

RunID: HGL_000822A-376826 Units: mg/Kg
Analysis Date: 08/22/2000 12:56 Analyst: PB
Preparation Date: 08/22/2000 10:30 Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	3.3	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080503-01
RunID: HGL_000822A-376828 Units: mg/Kg
Analysis Date: 08/22/2000 12:56 Analyst: PB
Preparation Date: 08/22/2000 10:30 Prep By: PB Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.094	0.33	0.37	82.8	0.33	0.35	76.5	7.91	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080503
 Lab Batch ID: 6726

Method Blank

Samples in Analytical Batch:

RunID: H_000818B-375334 Units: ug/Kg
 Analysis Date: 08/18/2000 22:47 Analyst: WW
 Preparation Date: 08/18/2000 15:27 Prep By: J_L Method SW3550A

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-02B	S-14876-081700-JJB-100
00080503-03B	S-14876-081700-JJB-102
00080503-04B	S-14876-081700-JJB-103
00080503-05B	S-14876-081700-JJB-104
00080503-06B	S-14876-081700-JJB-105
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080503
Lab Batch ID: 6726

Method Blank

RunID: H_0008188-375334 Units: ug/Kg
Analysis Date: 08/18/2000 22:47 Analyst: WW
Preparation Date: 08/18/2000 15:27 Prep By: J_L Method SW3550A

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	92.0	19-122
Surr: 2-Fluorobiphenyl	94.1	30-115
Surr: 2-Fluorophenol	96.0	25-121
Surr: Nitrobenzene-d5	88.2	23-120
Surr: Phenol-d5	96.0	24-113
Surr: Terphenyl-d14	117.6	18-137

Laboratory Control Sample (LCS)

RunID: H_0008188-375336 Units: ug/Kg
Analysis Date: 08/19/2000 0:16 Analyst: WW
Preparation Date: 08/18/2000 15:27 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1600	94	39	110
1,4-Dichlorobenzene	1700	1600	94	36	110
2,4-Dinitrotoluene	1700	1700	100	50	150
2-Chlorophenol	2500	2600	104	27	123
4-Chloro-3-methylphenol	2500	2600	104	23	110
4-Nitrophenol	2500	2900	116	25	150
Acenaphthene	1700	1900	112	46	125
N-Nitrosodi-n-propylamine	1700	1800	106	41	116
Pentachlorophenol	2500	2800	112	9	125
Phenol	2500	2600	104	12	110
Pyrene	1700	2100	124	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080503
 Lab Batch ID: 6726

Sample Spiked: 00080503-01
 RunID: H_000818B-375332 Units: ug/Kg-dry
 Analysis Date: 08/18/2000 21:48 Analyst: WW
 Preparation Date: 08/18/2000 15:27 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	2000	1400	71	2000	1300	65	9	28	39	110
1,4-Dichlorobenzene	ND	2000	1400	71	2000	1400	71	0	28	36	110
4-Dinitrotoluene	ND	2000	1800	88	2000	1800	88	0	50	50	150
2-Chlorophenol	ND	2940	2400	80	2940	2400	80	0	40	27	123
4-Chloro-3-methylphenol	ND	2940	2600	88	2940	2600	88	0	42	23	110
Nitrophenol	ND	2940	2800	96	2940	2900	100	4	50	25	150
Benaphthene	ND	2000	1900	94	2000	1900	94	0	31	46	125
N-Nitrosodi-n-propylamine	ND	2000	1800	88	2000	1800	88	0	38	41	116
2,4,6-Trichlorophenol	ND	2940	2600	88	2940	2800	96	9	50	9	125
Phenol	ND	2940	2400	80	2940	2200	76	5	42	12	110
Pyrene	ND	2000	2200	112	2000	2100	106	5	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080503
Lab Batch ID: 6753

Method Blank

RunID: L_000818B-375951 Units: ug/Kg
Analysis Date: 08/18/2000 11:19 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080503-01A	S-14876-081700-JJB-009
00080503-02A	S-14876-081700-JJB-100
00080503-03A	S-14876-081700-JJB-102
00080503-04A	S-14876-081700-JJB-103
00080503-05A	S-14876-081700-JJB-104
00080503-06A	S-14876-081700-JJB-105
00080503-07A	S-14876-081700-JJB-010
00080503-08A	S-14876-081700-JJB-011
00080503-09A	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	360
Surr: 1,2-Dichloroethane-d4	97.6	70-120
Surr: 4-Bromofluorobenzene	100.8	74-130
Surr: Toluene-d8	100.8	80-140

Laboratory Control Sample (LCS)

RunID: L_000818B-375950 Units: ug/L
Analysis Date: 08/18/2000 10:53 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	46	92	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080503
 Lab Batch ID: 6753

Laboratory Control Sample (LCS)

RunID: L_000818B-375950 Units: ug/L
 Analysis Date: 08/18/2000 10:53 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	51	102	79	119
Chlorobenzene	50	43	86	74	110
Toluene	50	49	98	73	113
Trichloroethene	50	47	94	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080501-01
 RunID: L_000818B-375953 Units: ug/Kg
 Analysis Date: 08/18/2000 15:30 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	62500	55000	88	62500	53000	85	4	22	59	172
Benzene	ND	62500	63000	101	62500	60000	96	5	21	66	142
Chlorobenzene	ND	62500	54000	86	62500	52000	83	4	21	60	133
Toluene	ND	62500	60000	96	62500	58000	93	3	21	59	139
Trichloroethene	ND	62500	59000	94	62500	55000	88	7	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
Method: SW6020

WorkOrder: 00080503
Lab Batch ID: R19686

Method Blank

Samples in Analytical Batch:

RunID: 8010_000828A-383572 Units: mg/Kg
Analysis Date: 08/28/2000 0:00 Analyst: SUB
Preparation Date: 08/23/2000 0:00 Prep By: Method

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-02B	S-14876-081700-JJB-100
00080503-03B	S-14876-081700-JJB-102
00080503-04B	S-14876-081700-JJB-103
00080503-05B	S-14876-081700-JJB-104
00080503-06B	S-14876-081700-JJB-105
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000828A-383574 Units: mg/Kg
Analysis Date: 08/28/2000 0:00 Analyst: SUB
Preparation Date: 08/23/2000 0:00 Prep By: Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	10.1	101*	66	95
Cadmium	1	1.04	104*	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000828MS
RunID: 8010_000828A-383881 Units: mg/Kg
Analysis Date: 08/28/2000 0:00 Analyst: SUB
Preparation Date: 08/23/2000 0:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	3.1	20	17.4	71.4	20	18.4	76.3	6.77	20	60	94
Cadmium	0.070	2	1.67	80.0	2	1.78	85.5	6.65	20	67	98

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080503
 Lab Batch ID: R19252

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080503-01B	S-14876-081700-JJB-009
00080503-02B	S-14876-081700-JJB-100
00080503-03B	S-14876-081700-JJB-102
00080503-04B	S-14876-081700-JJB-103
00080503-05B	S-14876-081700-JJB-104
00080503-06B	S-14876-081700-JJB-105
00080503-07B	S-14876-081700-JJB-010
00080503-08B	S-14876-081700-JJB-011
00080503-09B	S-14876-081700-JJB-012

Sample Duplicate

Original Sample: 00080503-01
 RunID: WET_0008180-374188 Units: wt%
 Analysis Date: 08/18/2000 16:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	14.7	14.9	1	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

CRA

CONESTOGA-ROVERS & ASSOCIATES, INC.
11100 Metro Airport Center Drive - Suite 160
Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):

00080503

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:
14876

PROJECT NAME:
CN + GTR

SAMPLER'S SIGNATURE: *JRB*

PRINTED NAME: JEREMY BELL

SEQ. No.	DATE	TIME	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS						REMARKS
					TEL VOCs	S VOCs	RCRA metals	PbAs	PCBs		
	08/17/00	AM	S-14876-081700-JJB-009	Soil	2	X	X	X	X		
	08/17/00	AM	S-14876-081700-JJB-100	Soil	2	X	X	X			
	08/17/00	AM	S-14876-081700-JJB-102	Soil	2	X	X	X			
	08/17/00	AM	S-14876-081700-JJB-103		2	X	X	X			
	08/17/00	AM	S-14876-081700-JJB-104		2	X	X	X			
	08/17/00	PM	S-14876-081700-JJB-105		2	X	X	X			
	08/17/00	PM	S-14876-081700-JJB-010		2	X	X	X	X		
	08/17/00	PM	S-14876-081700-JJB-011		2	X	X	X	X		
	08/17/00	PM	S-14876-081700-JJB-012		2	X	X	X	X		
	08/17/00	PM	S-14876-081700-JJB-013		2	X	X	X	X		

RUSH

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY: 1. _____	DATE: TIME:	RECEIVED BY: 1. _____	DATE: TIME:
RELINQUISHED BY: 2. _____	DATE: TIME:	RECEIVED BY: 2. _____	DATE: TIME:
RELINQUISHED BY: 3. _____	DATE: TIME:	RECEIVED BY: 1. _____	DATE: TIME:

METHOD OF SHIPMENT:

AIR BILL No.

JRB

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy

Pink - Shipper Copy
Goldenrod - Sampler Copy

SAMPLE TEAM:
DAN DETMER
JEREMY BELL

RECEIVED FOR LABORATORY BY:
Danna Bell
DATE: 8/17/00 TIME: 10:00

11021



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080503
Date and Time Received: 8/18/00 10:00:00 AM
Temperature: 4

Received by: Stelly, D'Anna
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080560

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Property Site: #14876, CN & Grand Trunk RR Property Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00
---	---

Upon receipt of your project 14876 it was noticed that one 25g encore was received empty for your sample ID "S-14876-082100-JJB-026". At your request on Aug. 23, 2000, the Volatile Organic Compound (VOC) analysis by method 8260 was taken from the bulk container. As per Kathy Hasenfrazt on August 24, 2000, you sample "S-14786-082100-JJB-026" for Volatile Organics was cancelled.

Your sample ID "S-147-082100-JJ-021" (SPL ID: 00080560-01) was randomly selected for use in SPL's quality control program for the Total Metals by Method analysis by SW846 Method 6010B. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Selenium (Batch ID:6783-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

ORIGINAL ANALYTICAL REPORT

Project#: 14876 Lab#: 00080560

Name: CN - Grand Trunk

Description

Event: Phase II ESA

Samples: 6-soil(21-26)

Analysis: PNA, PCB, RCLAMETA

TAT: 7 day

Lab: SPL

Checked Against Preliminary Data:

Date: 9/5/00 Init.: mw

Date of Validation Memo: _____

Invoice Approval Date: _____

Comments: _____ 8/30/00

Date

rec'd
 9/1/2000
 SDG4

Sonia West
 West, Sonia
 Senior Project Manager



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080560

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00
---	---

Upon receipt of your project 14876 it was noticed that one 25g encore was received empty for your sample ID "S-14876-082100-JJB-026". At your request on Aug. 23, 2000, the Volatile Organic Compound (VOC) analysis by method 8260 was taken from the bulk container. As per Kathy Hasenfratz on August 24, 2000, you sample "S-14786-082100-JJB-026" for Volatile Organics was cancelled.


Your sample ID " S-147-082100-JJ-021" (SPL ID: 00080560-01) was randomly selected for use in SPL's quality control program for the Total Metals by Method analysis by SW846 Method 6010B. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Selenium (Batch ID:6783-T) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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


West, Sonia
Senior Project Manager

8/30/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080560

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Property Site: #14876, CN & Grand Trunk RR Property Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00
Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-14786-082100-JJB-021	00080560-01	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>
S-14786-082100-JJB-022	00080560-02	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>
S-14786-082100-JJB-023	00080560-03	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>
S-14786-082100-JJB-024	00080560-04	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>
S-14786-082100-JJB-025	00080560-05	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>
S-14786-082100-JJB-026	00080560-06	Soil	8/21/00	8/22/00 10:00:00 AM	11027	<input type="checkbox"/>

Sonia West
 West, Sonia
 Senior Project Manager

8/30/00

Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



Client Sample ID: S-14786-082100-JJB-021 Collected: 8/21/00 SPL Sample ID: 00080560-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.24	1		08/24/00 12:42	PB	378630

Run ID/Seq #: HGL_000824C-378630

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.97	2.24	1		08/25/00 3:05	EG	380254
Selenium	ND	0.560	1		08/25/00 3:05	EG	380254
Silver	ND	0.560	1		08/25/00 3:05	EG	380254
Barium	29.7	1.12	1		08/25/00 0:47	E_B	380112
Chromium	7.14	2.80	1		08/25/00 0:47	E_B	380112

Run ID/Seq #: TJA_000824B-380112

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT_000824C-380254

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	4	0.112	1		08/28/00 0:00	SUB	383395
Cadmium	0.224	0.0560	1		08/28/00 0:00	SUB	383395

Run ID/Seq #: 8010_000828B-383395

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	10.7	0	1		08/23/00 9:00	KM	377116

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1221	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1232	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1242	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1248	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1254	ND	370	1		08/24/00 0:14	AR	383092
Aroclor 1260	ND	370	1		08/24/00 0:14	AR	383092
Surr: Tetrachloro-m-xylene	70.9 %	29-121	1		08/24/00 0:14	AR	383092
Surr: Decachlorobiphenyl	103 %	27-156	1		08/24/00 0:14	AR	383092

Run ID/Seq #: GS_W_000823A-383092

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-021

Collected: 8/21/00

SPL Sample ID: 00080560-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/23/00 11:31	WW	378316
Anthracene	ND	370	1		08/23/00 11:31	WW	378316
Benz(a)anthracene	ND	370	1		08/23/00 11:31	WW	378316
Benzo(a)pyrene	ND	370	1		08/23/00 11:31	WW	378316
Benzo(b)fluoranthene	ND	370	1		08/23/00 11:31	WW	378316
Benzo(g,h,i)perylene	ND	370	1		08/23/00 11:31	WW	378316
Benzo(k)fluoranthene	ND	370	1		08/23/00 11:31	WW	378316
Chrysene	ND	370	1		08/23/00 11:31	WW	378316
Dibenz(a,h)anthracene	ND	370	1		08/23/00 11:31	WW	378316
Fluoranthene	ND	370	1		08/23/00 11:31	WW	378316
Fluorene	ND	370	1		08/23/00 11:31	WW	378316
Indeno(1,2,3-cd)pyrene	ND	370	1		08/23/00 11:31	WW	378316
Naphthalene	ND	370	1		08/23/00 11:31	WW	378316
Phenanthrene	ND	370	1		08/23/00 11:31	WW	378316
Pyrene	ND	370	1		08/23/00 11:31	WW	378316
Surr: 2,4,6-Tribromophenol	92.0	% 19-122	1		08/23/00 11:31	WW	378316
Surr: 2-Fluorobiphenyl	76.5	% 30-115	1		08/23/00 11:31	WW	378316
Surr: 2-Fluorophenol	84.0	% 25-121	1		08/23/00 11:31	WW	378316
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/23/00 11:31	WW	378316
Surr: Phenol-d5	76.0	% 24-113	1		08/23/00 11:31	WW	378316
Surr: Terphenyl-d14	118	% 18-137	1		08/23/00 11:31	WW	378316

Run ID/Seq #: H_000823A-378316

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



Client Sample ID: S-14786-082100-JJB-021

Collected: 8/21/00

SPL Sample ID: 00080560-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/23/00 11:47	LT	378184
1,1,2,2-Tetrachloroethane	ND	56	50		08/23/00 11:47	LT	378184
1,1,2-Trichloroethane	ND	56	50		08/23/00 11:47	LT	378184
1,1-Dichloroethane	ND	56	50		08/23/00 11:47	LT	378184
1,1-Dichloroethene	ND	56	50		08/23/00 11:47	LT	378184
1,2-Dichloroethane	ND	56	50		08/23/00 11:47	LT	378184
1,2-Dichloropropane	ND	56	50		08/23/00 11:47	LT	378184
2-Butanone	ND	2800	50		08/23/00 11:47	LT	378184
2-Hexanone	ND	2800	50		08/23/00 11:47	LT	378184
4-Methyl-2-pentanone	ND	2800	50		08/23/00 11:47	LT	378184
Acetone	ND	5600	50		08/23/00 11:47	LT	378184
Benzene	ND	56	50		08/23/00 11:47	LT	378184
Bromodichloromethane	ND	56	50		08/23/00 11:47	LT	378184
Bromoform	ND	56	50		08/23/00 11:47	LT	378184
Bromomethane	ND	56	50		08/23/00 11:47	LT	378184
Carbon disulfide	ND	280	50		08/23/00 11:47	LT	378184
Carbon tetrachloride	ND	56	50		08/23/00 11:47	LT	378184
Chlorobenzene	ND	56	50		08/23/00 11:47	LT	378184
Chloroethane	ND	560	50		08/23/00 11:47	LT	378184
Chloroform	ND	56	50		08/23/00 11:47	LT	378184
Chloromethane	ND	560	50		08/23/00 11:47	LT	378184
dibromochloromethane	ND	56	50		08/23/00 11:47	LT	378184
Ethylbenzene	ND	56	50		08/23/00 11:47	LT	378184
Methylene chloride	ND	280	50		08/23/00 11:47	LT	378184
Styrene	ND	56	50		08/23/00 11:47	LT	378184
Tetrachloroethene	ND	56	50		08/23/00 11:47	LT	378184
Toluene	ND	56	50		08/23/00 11:47	LT	378184
trans-1,3-Dichloropropene	ND	56	50		08/23/00 11:47	LT	378184
Trichloroethene	ND	56	50		08/23/00 11:47	LT	378184
Vinyl chloride	ND	56	50		08/23/00 11:47	LT	378184
cis-1,2-Dichloroethene	ND	56	50		08/23/00 11:47	LT	378184
cis-1,3-Dichloropropene	ND	56	50		08/23/00 11:47	LT	378184
trans-1,2-Dichloroethene	ND	56	50		08/23/00 11:47	LT	378184
Xylenes, Total	ND	170	50		08/23/00 11:47	LT	378184
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/23/00 11:47	LT	378184
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/23/00 11:47	LT	378184
Surr: Toluene-d8	100	% 80-140	50		08/23/00 11:47	LT	378184

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-14786-082100-JJB-021

Collected: 8/21/00

SPL Sample ID: 00080560-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000823B-378184

Prep Method	Prep Date	Prep Initials
SW5035	08/22/2000 12:31	PC

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



Client Sample ID: S-14786-082100-JJB-022 Collected: 8/21/00 SPL Sample ID: 00080560-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.36	1		08/24/00 12:42	PB	378635

Run ID/Seq #: HGL 000824C-378635

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	43	2.36	1		08/25/00 3:45	EG	380260
Selenium	ND	0.590	1		08/25/00 3:45	EG	380260
Silver	ND	0.590	1		08/25/00 3:45	EG	380260
Barium	49.5	1.18	1		08/25/00 1:12	E_B	380118
Chromium	16.7	2.95	1		08/25/00 1:12	E_B	380118

Run ID/Seq #: TJA 000824B-380118

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT 000824C-380260

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	5.37	0.118	1		08/28/00 0:00	SUB	383397
Cadmium	0.507	0.0590	1		08/28/00 0:00	SUB	383397

Run ID/Seq #: 8010 000828B-383397

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	15.2	0	1		08/23/00 9:00	KM	377118

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1221	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1232	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1242	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1248	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1254	ND	390	1		08/24/00 0:32	AR	383093
Aroclor 1260	ND	390	1		08/24/00 0:32	AR	383093
Surr: Tetrachloro-m-xylene	84.9	% 29-121	1		08/24/00 0:32	AR	383093
Surr: Decachlorobiphenyl	131	% 27-156	1		08/24/00 0:32	AR	383093

Run ID/Seq #: GS W 000823A-383093

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-022

Collected: 8/21/00

SPL Sample ID: 00080560-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	390	1		08/23/00 12:01	WW	378317
Anthracene	ND	390	1		08/23/00 12:01	WW	378317
Benz(a)anthracene	970	390	1		08/23/00 12:01	WW	378317
Benzo(a)pyrene	1100	390	1		08/23/00 12:01	WW	378317
Benzo(b)fluoranthene	1500	390	1		08/23/00 12:01	WW	378317
Benzo(g,h,i)perylene	910	390	1		08/23/00 12:01	WW	378317
Benzo(k)fluoranthene	1200	390	1		08/23/00 12:01	WW	378317
Chrysene	930	390	1		08/23/00 12:01	WW	378317
Dibenz(a,h)anthracene	ND	390	1		08/23/00 12:01	WW	378317
Fluoranthene	1200	390	1		08/23/00 12:01	WW	378317
Fluorene	ND	390	1		08/23/00 12:01	WW	378317
Indeno(1,2,3-cd)pyrene	780	390	1		08/23/00 12:01	WW	378317
Naphthalene	ND	390	1		08/23/00 12:01	WW	378317
Phenanthrene	ND	390	1		08/23/00 12:01	WW	378317
Pyrene	1000	390	1		08/23/00 12:01	WW	378317
Surr: 2,4,6-Tribromophenol	88.0	% 19-122	1		08/23/00 12:01	WW	378317
Surr: 2-Fluorobiphenyl	82.4	% 30-115	1		08/23/00 12:01	WW	378317
Surr: 2-Fluorophenol	80.0	% 25-121	1		08/23/00 12:01	WW	378317
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/23/00 12:01	WW	378317
Surr: Phenol-d5	76.0	% 24-113	1		08/23/00 12:01	WW	378317
Surr: Terphenyl-d14	70.6	% 18-137	1		08/23/00 12:01	WW	378317

Run ID/Seq #: H_000823A-378317

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-022

Collected: 8/21/00

SPL Sample ID: 00080560-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	59	50		08/23/00 13:04	LT	378187
1,1,2,2-Tetrachloroethane	ND	59	50		08/23/00 13:04	LT	378187
1,1,2-Trichloroethane	ND	59	50		08/23/00 13:04	LT	378187
1,1-Dichloroethane	ND	59	50		08/23/00 13:04	LT	378187
1,1-Dichloroethene	ND	59	50		08/23/00 13:04	LT	378187
1,2-Dichloroethane	ND	59	50		08/23/00 13:04	LT	378187
1,2-Dichloropropane	ND	59	50		08/23/00 13:04	LT	378187
2-Butanone	ND	2900	50		08/23/00 13:04	LT	378187
2-Hexanone	ND	2900	50		08/23/00 13:04	LT	378187
4-Methyl-2-pentanone	ND	2900	50		08/23/00 13:04	LT	378187
Acetone	ND	5900	50		08/23/00 13:04	LT	378187
Benzene	ND	59	50		08/23/00 13:04	LT	378187
Bromodichloromethane	ND	59	50		08/23/00 13:04	LT	378187
Bromoform	ND	59	50		08/23/00 13:04	LT	378187
Bromomethane	ND	59	50		08/23/00 13:04	LT	378187
Carbon disulfide	ND	290	50		08/23/00 13:04	LT	378187
Carbon tetrachloride	ND	59	50		08/23/00 13:04	LT	378187
Chlorobenzene	ND	59	50		08/23/00 13:04	LT	378187
Chloroethane	ND	590	50		08/23/00 13:04	LT	378187
Chloroform	ND	59	50		08/23/00 13:04	LT	378187
Chloromethane	ND	590	50		08/23/00 13:04	LT	378187
dibromochloromethane	ND	59	50		08/23/00 13:04	LT	378187
Ethylbenzene	ND	59	50		08/23/00 13:04	LT	378187
Methylene chloride	ND	290	50		08/23/00 13:04	LT	378187
Styrene	ND	59	50		08/23/00 13:04	LT	378187
Tetrachloroethene	ND	59	50		08/23/00 13:04	LT	378187
Toluene	ND	59	50		08/23/00 13:04	LT	378187
trans-1,3-Dichloropropene	ND	59	50		08/23/00 13:04	LT	378187
Trichloroethene	ND	59	50		08/23/00 13:04	LT	378187
Vinyl chloride	ND	59	50		08/23/00 13:04	LT	378187
cis-1,2-Dichloroethene	ND	59	50		08/23/00 13:04	LT	378187
cis-1,3-Dichloropropene	ND	59	50		08/23/00 13:04	LT	378187
trans-1,2-Dichloroethene	ND	59	50		08/23/00 13:04	LT	378187
Xylenes, Total	ND	180	50		08/23/00 13:04	LT	378187
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/23/00 13:04	LT	378187
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/23/00 13:04	LT	378187
Surr: Toluene-d8	96.0	% 80-140	50		08/23/00 13:04	LT	378187

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-14786-082100-JJB-022

Collected: 8/21/00

SPL Sample ID: 00080560-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000823B-378187							
Prep Method	Prep Date	Prep Initials					
SW5035	08/22/2000 12:31	PC					

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



Client Sample ID: S-14786-082100-JJB-023

Collected: 8/21/00

SPL Sample ID: 00080560-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.21	1		08/24/00 12:42	PB	378637

Run ID/Seq #: HGL_000824C-378637

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	5.81	2.21	1		08/25/00 3:52	EG	380261
Selenium	ND	0.553	1		08/25/00 3:52	EG	380261
Silver	ND	0.553	1		08/25/00 3:52	EG	380261
Barium	10.7	1.11	1		08/25/00 1:16	E_B	380119
Chromium	4.01	2.77	1		08/25/00 1:16	E_B	380119

Run ID/Seq #: TJA_000824B-380119

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT_000824C-380261

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	2.22	0.111	1		08/28/00 0:00	SUB	383399
Cadmium	0.133	0.0553	1		08/28/00 0:00	SUB	383399

Run ID/Seq #: 8010_000828B-383399

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	9.6	0	1		08/23/00 9:00	KM	377120

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1221	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1232	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1242	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1248	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1254	ND	370	1		08/24/00 0:50	AR	383094
Aroclor 1260	ND	370	1		08/24/00 0:50	AR	383094
Surr: Tetrachloro-m-xylene	63.6 %	29-121	1		08/24/00 0:50	AR	383094
Surr: Decachlorobiphenyl	91.0 %	27-156	1		08/24/00 0:50	AR	383094

Run ID/Seq #: GS_W_000823A-383094

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
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Client Sample ID: S-14786-082100-JJB-023

Collected: 8/21/00

SPL Sample ID: 00080560-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/23/00 12:31	WW	378318
Anthracene	ND	370	1		08/23/00 12:31	WW	378318
Benz(a)anthracene	ND	370	1		08/23/00 12:31	WW	378318
Benzo(a)pyrene	ND	370	1		08/23/00 12:31	WW	378318
Benzo(b)fluoranthene	ND	370	1		08/23/00 12:31	WW	378318
Benzo(g,h,i)perylene	ND	370	1		08/23/00 12:31	WW	378318
Benzo(k)fluoranthene	ND	370	1		08/23/00 12:31	WW	378318
Chrysene	ND	370	1		08/23/00 12:31	WW	378318
Dibenz(a,h)anthracene	ND	370	1		08/23/00 12:31	WW	378318
Fluoranthene	ND	370	1		08/23/00 12:31	WW	378318
Fluorene	ND	370	1		08/23/00 12:31	WW	378318
Indeno(1,2,3-cd)pyrene	ND	370	1		08/23/00 12:31	WW	378318
Naphthalene	ND	370	1		08/23/00 12:31	WW	378318
Phenanthrene	ND	370	1		08/23/00 12:31	WW	378318
Pyrene	ND	370	1		08/23/00 12:31	WW	378318
Surr: 2,4,6-Tribromophenol	76.0	% 19-122	1		08/23/00 12:31	WW	378318
Surr: 2-Fluorobiphenyl	58.8	% 30-115	1		08/23/00 12:31	WW	378318
Surr: 2-Fluorophenol	56.0	% 25-121	1		08/23/00 12:31	WW	378318
Surr: Nitrobenzene-d5	50.6	% 23-120	1		08/23/00 12:31	WW	378318
Surr: Phenol-d5	56.0	% 24-113	1		08/23/00 12:31	WW	378318
Surr: Terphenyl-d14	88.2	% 18-137	1		08/23/00 12:31	WW	378318

Run ID/Seq #: H_000823A-378318

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-023

Collected: 8/21/00

SPL Sample ID: 00080560-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	55	50		08/23/00 13:31	LT	378188
1,1,2,2-Tetrachloroethane	ND	55	50		08/23/00 13:31	LT	378188
1,1,2-Trichloroethane	ND	55	50		08/23/00 13:31	LT	378188
1,1-Dichloroethane	ND	55	50		08/23/00 13:31	LT	378188
1,1-Dichloroethene	ND	55	50		08/23/00 13:31	LT	378188
1,2-Dichloroethane	ND	55	50		08/23/00 13:31	LT	378188
1,2-Dichloropropane	ND	55	50		08/23/00 13:31	LT	378188
2-Butanone	ND	2800	50		08/23/00 13:31	LT	378188
2-Hexanone	ND	2800	50		08/23/00 13:31	LT	378188
4-Methyl-2-pentanone	ND	2800	50		08/23/00 13:31	LT	378188
Acetone	ND	5500	50		08/23/00 13:31	LT	378188
Benzene	ND	55	50		08/23/00 13:31	LT	378188
Bromodichloromethane	ND	55	50		08/23/00 13:31	LT	378188
Bromoform	ND	55	50		08/23/00 13:31	LT	378188
Bromomethane	ND	55	50		08/23/00 13:31	LT	378188
Carbon disulfide	ND	280	50		08/23/00 13:31	LT	378188
Carbon tetrachloride	ND	55	50		08/23/00 13:31	LT	378188
Chlorobenzene	ND	55	50		08/23/00 13:31	LT	378188
Chloroethane	ND	550	50		08/23/00 13:31	LT	378188
Chloroform	ND	55	50		08/23/00 13:31	LT	378188
Chloromethane	ND	550	50		08/23/00 13:31	LT	378188
dibromochloromethane	ND	55	50		08/23/00 13:31	LT	378188
Ethylbenzene	ND	55	50		08/23/00 13:31	LT	378188
Methylene chloride	ND	280	50		08/23/00 13:31	LT	378188
Styrene	ND	55	50		08/23/00 13:31	LT	378188
Tetrachloroethene	ND	55	50		08/23/00 13:31	LT	378188
Toluene	ND	55	50		08/23/00 13:31	LT	378188
trans-1,3-Dichloropropene	ND	55	50		08/23/00 13:31	LT	378188
Trichloroethene	ND	55	50		08/23/00 13:31	LT	378188
Vinyl chloride	ND	55	50		08/23/00 13:31	LT	378188
cis-1,2-Dichloroethene	ND	55	50		08/23/00 13:31	LT	378188
cis-1,3-Dichloropropene	ND	55	50		08/23/00 13:31	LT	378188
trans-1,2-Dichloroethene	ND	55	50		08/23/00 13:31	LT	378188
Xylenes, Total	ND	170	50		08/23/00 13:31	LT	378188
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/23/00 13:31	LT	378188
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/23/00 13:31	LT	378188
Surr: Toluene-d8	96.0	% 80-140	50		08/23/00 13:31	LT	378188

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-14786-082100-JJB-023

Collected: 8/21/00

SPL Sample ID: 00080560-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Run ID/Seq #: L_000823B-378188							
Prep Method	Prep Date	Prep Initials					
SW5035	08/22/2000 12:31	PC					

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



Client Sample ID: S-14786-082100-JJB-024 Collected: 8/21/00 SPL Sample ID: 00080560-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.24	1		08/24/00 12:42	PB	378639

Run ID/Seq #: HGL 000824C-378639

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL	MCL	SW6010B	Units: mg/Kg-dry	
Lead	8.75	2.24	1	08/25/00 4:16 EG 380264
Selenium	ND	0.559	1	08/25/00 4:16 EG 380264
Silver	ND	0.559	1	08/25/00 4:16 EG 380264
Barium	37.1	1.12	1	08/25/00 1:30 E_B 380122
Chromium	8.44	2.80	1	08/25/00 1:30 E_B 380122

Run ID/Seq #: TJA 000824B-380122

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT 000824C-380264

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

METALS BY METHOD 6020, TOTAL	MCL	SW6020	Units: mg/Kg-dry	
Arsenic	2.79	0.112	1	08/28/00 0:00 SUB 383401
Cadmium	0.145	0.0559	1	08/28/00 0:00 SUB 383401

Run ID/Seq #: 8010 000828B-383401

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

PERCENT MOISTURE	MCL	D2216	Units: wt%	
Percent Moisture	10.6	0	1	08/23/00 9:00 KM 377122

POLYCHLORINATED BIPHENYLS BY METHOD 8082	MCL	SW8082	Units: ug/Kg-dry	
Aroclor 1016	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1221	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1232	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1242	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1248	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1254	ND	370	1	08/24/00 1:08 AR 383095
Aroclor 1260	ND	370	1	08/24/00 1:08 AR 383095
Surr: Tetrachloro-m-xylene	64.5	% 29-121	1	08/24/00 1:08 AR 383095
Surr: Decachlorobiphenyl	98.2	% 27-156	1	08/24/00 1:08 AR 383095

Run ID/Seq #: GS_W 000823A-383095

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
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 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-024 Collected: 8/21/00 SPL Sample ID: 00080560-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/23/00 13:00	WW	378319
Anthracene	ND	370	1		08/23/00 13:00	WW	378319
Benz(a)anthracene	ND	370	1		08/23/00 13:00	WW	378319
Benzo(a)pyrene	ND	370	1		08/23/00 13:00	WW	378319
Benzo(b)fluoranthene	ND	370	1		08/23/00 13:00	WW	378319
Benzo(g,h,i)perylene	ND	370	1		08/23/00 13:00	WW	378319
Benzo(k)fluoranthene	ND	370	1		08/23/00 13:00	WW	378319
Chrysene	ND	370	1		08/23/00 13:00	WW	378319
Dibenz(a,h)anthracene	ND	370	1		08/23/00 13:00	WW	378319
Fluoranthene	ND	370	1		08/23/00 13:00	WW	378319
Fluorene	ND	370	1		08/23/00 13:00	WW	378319
Indeno(1,2,3-cd)pyrene	ND	370	1		08/23/00 13:00	WW	378319
Naphthalene	ND	370	1		08/23/00 13:00	WW	378319
Phenanthrene	ND	370	1		08/23/00 13:00	WW	378319
Pyrene	ND	370	1		08/23/00 13:00	WW	378319
Surr: 2,4,6-Tribromophenol	96.0	% 19-122	1		08/23/00 13:00	WW	378319
Surr: 2-Fluorobiphenyl	82.4	% 30-115	1		08/23/00 13:00	WW	378319
Surr: 2-Fluorophenol	80.0	% 25-121	1		08/23/00 13:00	WW	378319
Surr: Nitrobenzene-d5	70.6	% 23-120	1		08/23/00 13:00	WW	378319
Surr: Phenol-d5	76.0	% 24-113	1		08/23/00 13:00	WW	378319
Surr: Terphenyl-d14	112	% 18-137	1		08/23/00 13:00	WW	378319

Run ID/Seq #: H 000823A-378319

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



Client Sample ID: S-14786-082100-JJB-024

Collected: 8/21/00

SPL Sample ID: 00080560-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/23/00 13:57	LT	378189
1,1,2,2-Tetrachloroethane	ND	56	50		08/23/00 13:57	LT	378189
1,1,2-Trichloroethane	ND	56	50		08/23/00 13:57	LT	378189
1,1-Dichloroethane	ND	56	50		08/23/00 13:57	LT	378189
1,1-Dichloroethene	ND	56	50		08/23/00 13:57	LT	378189
1,2-Dichloroethane	ND	56	50		08/23/00 13:57	LT	378189
1,2-Dichloropropane	ND	56	50		08/23/00 13:57	LT	378189
2-Butanone	ND	2800	50		08/23/00 13:57	LT	378189
2-Hexanone	ND	2800	50		08/23/00 13:57	LT	378189
4-Methyl-2-pentanone	ND	2800	50		08/23/00 13:57	LT	378189
Acetone	ND	5600	50		08/23/00 13:57	LT	378189
Benzene	ND	56	50		08/23/00 13:57	LT	378189
Bromodichloromethane	ND	56	50		08/23/00 13:57	LT	378189
Bromoform	ND	56	50		08/23/00 13:57	LT	378189
Bromomethane	ND	56	50		08/23/00 13:57	LT	378189
Carbon disulfide	ND	280	50		08/23/00 13:57	LT	378189
Carbon tetrachloride	ND	56	50		08/23/00 13:57	LT	378189
Chlorobenzene	ND	56	50		08/23/00 13:57	LT	378189
Chloroethane	ND	560	50		08/23/00 13:57	LT	378189
Chloroform	ND	56	50		08/23/00 13:57	LT	378189
Chloromethane	ND	560	50		08/23/00 13:57	LT	378189
dibromochloromethane	ND	56	50		08/23/00 13:57	LT	378189
Ethylbenzene	ND	56	50		08/23/00 13:57	LT	378189
Methylene chloride	ND	280	50		08/23/00 13:57	LT	378189
Styrene	ND	56	50		08/23/00 13:57	LT	378189
Tetrachloroethene	ND	56	50		08/23/00 13:57	LT	378189
Toluene	ND	56	50		08/23/00 13:57	LT	378189
trans-1,3-Dichloropropene	ND	56	50		08/23/00 13:57	LT	378189
Trichloroethene	ND	56	50		08/23/00 13:57	LT	378189
Vinyl chloride	ND	56	50		08/23/00 13:57	LT	378189
cis-1,2-Dichloroethene	ND	56	50		08/23/00 13:57	LT	378189
cis-1,3-Dichloropropene	ND	56	50		08/23/00 13:57	LT	378189
trans-1,2-Dichloroethene	ND	56	50		08/23/00 13:57	LT	378189
Xylenes, Total	ND	170	50		08/23/00 13:57	LT	378189
Surr: 1,2-Dichloroethane-d4	92.0	% 70-120	50		08/23/00 13:57	LT	378189
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/23/00 13:57	LT	378189
Surr: Toluene-d8	96.0	% 80-140	50		08/23/00 13:57	LT	378189

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-14786-082100-JJB-024

Collected: 8/21/00

SPL Sample ID: 00080560-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000823B-378189

Prep Method	Prep Date	Prep Initials
SW5035	08/22/2000 12:31	PC

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-025 Collected: 8/21/00 SPL Sample ID: 00080560-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.25	1		08/24/00 12:42	PB	378644

Run ID/Seq #: HGL_000824C-378644

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	6.13	2.25	1		08/25/00 4:23	EG	380265
Selenium	ND	0.562	1		08/25/00 4:23	EG	380265
Silver	ND	0.562	1		08/25/00 4:23	EG	380265
Barium	38.9	1.12	1		08/25/00 1:34	E_B	380123
Chromium	8.95	2.81	1		08/25/00 1:34	E_B	380123

Run ID/Seq #: TJA_000824B-380123

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT_000824C-380265

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.76	0.112	1		08/28/00 0:00	SUB	383402
Cadmium	0.202	0.0562	1		08/28/00 0:00	SUB	383402

Run ID/Seq #: 8010_000828B-383402

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	11.1	0	1		08/23/00 9:00	KM	377123

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1221	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1232	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1242	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1248	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1254	ND	370	1		08/24/00 1:26	AR	383096
Aroclor 1260	ND	370	1		08/24/00 1:26	AR	383096
Surr: Tetrachloro-m-xylene	64.1	% 29-121	1		08/24/00 1:26	AR	383096
Surr: Decachlorobiphenyl	102	% 27-156	1		08/24/00 1:26	AR	383096

Run ID/Seq #: GS_W_000823A-383096

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-025

Collected: 8/21/00

SPL Sample ID: 00080560-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	370	1		08/23/00 13:30	WW	378321
Anthracene	ND	370	1		08/23/00 13:30	WW	378321
Benzo(a)anthracene	ND	370	1		08/23/00 13:30	WW	378321
Benzo(a)pyrene	ND	370	1		08/23/00 13:30	WW	378321
Benzo(b)fluoranthene	ND	370	1		08/23/00 13:30	WW	378321
Benzo(g,h,i)perylene	ND	370	1		08/23/00 13:30	WW	378321
Benzo(k)fluoranthene	ND	370	1		08/23/00 13:30	WW	378321
Chrysene	ND	370	1		08/23/00 13:30	WW	378321
Dibenz(a,h)anthracene	ND	370	1		08/23/00 13:30	WW	378321
Fluoranthene	ND	370	1		08/23/00 13:30	WW	378321
Fluorene	ND	370	1		08/23/00 13:30	WW	378321
Indeno(1,2,3-cd)pyrene	ND	370	1		08/23/00 13:30	WW	378321
Naphthalene	ND	370	1		08/23/00 13:30	WW	378321
Phenanthrene	ND	370	1		08/23/00 13:30	WW	378321
Pyrene	ND	370	1		08/23/00 13:30	WW	378321
Surr: 2,4,6-Tribromophenol	88.0	% 19-122	1		08/23/00 13:30	WW	378321
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/23/00 13:30	WW	378321
Surr: 2-Fluorophenol	64.0	% 25-121	1		08/23/00 13:30	WW	378321
Surr: Nitrobenzene-d5	58.8	% 23-120	1		08/23/00 13:30	WW	378321
Surr: Phenol-d5	64.0	% 24-113	1		08/23/00 13:30	WW	378321
Surr: Terphenyl-d14	106	% 18-137	1		08/23/00 13:30	WW	378321

Run ID/Seq #: H 000823A-378321

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



Client Sample ID: S-14786-082100-JJB-025

Collected: 8/21/00

SPL Sample ID: 00080560-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	56	50		08/23/00 14:24	LT	378190
1,1,2,2-Tetrachloroethane	ND	56	50		08/23/00 14:24	LT	378190
1,1,2-Trichloroethane	ND	56	50		08/23/00 14:24	LT	378190
1,1-Dichloroethane	ND	56	50		08/23/00 14:24	LT	378190
1,1-Dichloroethene	ND	56	50		08/23/00 14:24	LT	378190
1,2-Dichloroethane	ND	56	50		08/23/00 14:24	LT	378190
1,2-Dichloropropane	ND	56	50		08/23/00 14:24	LT	378190
2-Butanone	ND	2800	50		08/23/00 14:24	LT	378190
2-Hexanone	ND	2800	50		08/23/00 14:24	LT	378190
4-Methyl-2-pentanone	ND	2800	50		08/23/00 14:24	LT	378190
Acetone	ND	5600	50		08/23/00 14:24	LT	378190
Benzene	ND	56	50		08/23/00 14:24	LT	378190
Bromodichloromethane	ND	56	50		08/23/00 14:24	LT	378190
Bromoform	ND	56	50		08/23/00 14:24	LT	378190
Bromomethane	ND	56	50		08/23/00 14:24	LT	378190
Carbon disulfide	ND	280	50		08/23/00 14:24	LT	378190
Carbon tetrachloride	ND	56	50		08/23/00 14:24	LT	378190
Chlorobenzene	ND	56	50		08/23/00 14:24	LT	378190
Chloroethane	ND	560	50		08/23/00 14:24	LT	378190
Chloroform	ND	56	50		08/23/00 14:24	LT	378190
Chloromethane	ND	560	50		08/23/00 14:24	LT	378190
dibromochloromethane	ND	56	50		08/23/00 14:24	LT	378190
Ethylbenzene	ND	56	50		08/23/00 14:24	LT	378190
Methylene chloride	ND	280	50		08/23/00 14:24	LT	378190
Styrene	ND	56	50		08/23/00 14:24	LT	378190
Tetrachloroethene	ND	56	50		08/23/00 14:24	LT	378190
Toluene	ND	56	50		08/23/00 14:24	LT	378190
trans-1,3-Dichloropropene	ND	56	50		08/23/00 14:24	LT	378190
Trichloroethene	ND	56	50		08/23/00 14:24	LT	378190
Vinyl chloride	ND	56	50		08/23/00 14:24	LT	378190
cis-1,2-Dichloroethene	ND	56	50		08/23/00 14:24	LT	378190
cis-1,3-Dichloropropene	ND	56	50		08/23/00 14:24	LT	378190
trans-1,2-Dichloroethene	ND	56	50		08/23/00 14:24	LT	378190
Xylenes, Total	ND	170	50		08/23/00 14:24	LT	378190
Surr: 1,2-Dichloroethane-d4	96.0	% 70-120	50		08/23/00 14:24	LT	378190
Surr: 4-Bromofluorobenzene	104	% 74-130	50		08/23/00 14:24	LT	378190
Surr: Toluene-d8	96.0	% 80-140	50		08/23/00 14:24	LT	378190

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



HOUSTON LABORATORY
8890 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-14786-082100-JJB-025 Collected: 8/21/00 SPL Sample ID: 00080560-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L 000823B-378190

Prep Method	Prep Date	Prep Initials
SW5035	08/22/2000 12:31	PC

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



Client Sample ID: S-14786-082100-JJB-026

Collected: 8/21/00

SPL Sample ID: 00080560-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.52	1		08/24/00 12:42	PB	378646

Run ID/Seq #: HGL_000824C-378646

Prep Method	Prep Date	Prep Initials
SW7471A	08/24/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Lead	3.23	2.52	1		08/25/00 4:30	EG	380266
Selenium	ND	0.630	1		08/25/00 4:30	EG	380266
Silver	ND	0.630	1		08/25/00 4:30	EG	380266
Barium	12.9	1.26	1		08/25/00 1:39	E_B	380124
Chromium	6.77	3.15	1		08/25/00 1:39	E_B	380124

Run ID/Seq #: TJA_000824B-380124

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

Run ID/Seq #: TJAT_000824C-380266

Prep Method	Prep Date	Prep Initials
SW3050B	08/23/2000 8:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	2.87	0.126	1		08/28/00 0:00	SUB	383403
Cadmium	0.0756	0.0630	1		08/28/00 0:00	SUB	383403

Run ID/Seq #: 8010_000828B-383403

Prep Method	Prep Date	Prep Initials
	08/24/2000 0:00	

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	20.6	0	1		08/23/00 9:00	KM	377125

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1221	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1232	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1242	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1248	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1254	ND	420	1		08/24/00 1:44	AR	383098
Aroclor 1260	ND	420	1		08/24/00 1:44	AR	383098
Surr: Tetrachloro-m-xylene	71.8	% 29-121	1		08/24/00 1:44	AR	383098
Surr: Decachlorobiphenyl	105	% 27-156	1		08/24/00 1:44	AR	383098

Run ID/Seq #: GS_W_000823A-383098

Prep Method	Prep Date	Prep Initials
SW3550A	08/23/2000 12:44	EE

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



HOUSTON LABORATORY
 8890 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: S-14786-082100-JJB-026

Collected: 8/21/00

SPL Sample ID: 00080560-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	420	1		08/23/00 14:00	WW	378323
Anthracene	ND	420	1		08/23/00 14:00	WW	378323
Benz(a)anthracene	ND	420	1		08/23/00 14:00	WW	378323
Benzo(a)pyrene	ND	420	1		08/23/00 14:00	WW	378323
Benzo(b)fluoranthene	ND	420	1		08/23/00 14:00	WW	378323
Benzo(g,h,i)perylene	ND	420	1		08/23/00 14:00	WW	378323
Benzo(k)fluoranthene	ND	420	1		08/23/00 14:00	WW	378323
Chrysene	ND	420	1		08/23/00 14:00	WW	378323
Dibenz(a,h)anthracene	ND	420	1		08/23/00 14:00	WW	378323
Fluoranthene	ND	420	1		08/23/00 14:00	WW	378323
Fluorene	ND	420	1		08/23/00 14:00	WW	378323
Indeno(1,2,3-cd)pyrene	ND	420	1		08/23/00 14:00	WW	378323
Naphthalene	ND	420	1		08/23/00 14:00	WW	378323
Phenanthrene	ND	420	1		08/23/00 14:00	WW	378323
Pyrene	ND	420	1		08/23/00 14:00	WW	378323
Surr: 2,4,6-Tribromophenol	92.0	% 19-122	1		08/23/00 14:00	WW	378323
Surr: 2-Fluorobiphenyl	76.5	% 30-115	1		08/23/00 14:00	WW	378323
Surr: 2-Fluorophenol	76.0	% 25-121	1		08/23/00 14:00	WW	378323
Surr: Nitrobenzene-d5	64.7	% 23-120	1		08/23/00 14:00	WW	378323
Surr: Phenol-d5	72.0	% 24-113	1		08/23/00 14:00	WW	378323
Surr: Terphenyl-d14	112	% 18-137	1		08/23/00 14:00	WW	378323

Run ID/Seq #: H_000823A-378323

Prep Method	Prep Date	Prep Initials
SW3550A	08/22/2000 17:32	J_F

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



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080560
 Lab Batch ID: 6789

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000823A-383091 Units: ug/Kg
 Analysis Date: 08/23/2000 23:56 Analyst: AR
 Preparation Date: 08/23/2000 12:44 Prep By: EE Method: SW3550A

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Analyte	Result	Rep Limit
Aroclor 1016	ND	330
Aroclor 1221	ND	330
Aroclor 1232	ND	330
Aroclor 1242	ND	330
Aroclor 1248	ND	330
Aroclor 1254	ND	330
Aroclor 1260	ND	330
Surr: Decachlorobiphenyl	113.4	27-156
Surr: Tetrachloro-m-xylene	86.8	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000823A-383089 Units: ug/Kg
 Analysis Date: 08/23/2000 23:38 Analyst: AR
 Preparation Date: 08/23/2000 12:44 Prep By: EE Method: SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	320	96	50	132
Aroclor 1260	333	330	98	50	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-03
 RunID: GS_W_000823A-383099 Units: ug/Kg-dry
 Analysis Date: 08/24/2000 2:02 Analyst: AR
 Preparation Date: 08/23/2000 12:44 Prep By: EE Method: SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	368	320	87.9	368	320	85.5	2.74	30	50	132
Aroclor 1260	ND	368	320	88.2	368	320	87.4	0.831	24	50	135

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080560
 Lab Batch ID: 6783

Method Blank

Samples in Analytical Batch:

RunID: TJA_000824B-380110 Units: mg/Kg
 Analysis Date: 08/25/2000 0:39 Analyst: E_B
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_000824B-380111 Units: mg/Kg
 Analysis Date: 08/25/2000 0:43 Analyst: E_B
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	104	N/A	86	137
Chromium	99.4	80.5	N/A	76.6	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-01
 RunID: TJA_000824B-380113 Units: mg/Kg-dry
 Analysis Date: 08/25/2000 0:51 Analyst: E_B
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	30	112	129	88.6	112	127	87.2	1.55	20	75	125
Chromium	7.1	112	92.2	76.0	112	91.3	75.2	1.08	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080560
 Lab Batch ID: 6783-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000824C-380252 Units: mg/Kg
 Analysis Date: 08/25/2000 2:49 Analyst: EG
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Analyte	Result	Rep Limit
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000824C-380253 Units: mg/Kg
 Analysis Date: 08/25/2000 2:56 Analyst: EG
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	97.8	92.8	N/A	74.5	121
Selenium	143	124	N/A	106	180
Silver	107	104	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 00080560-01
 RunID: TJAT_000824C-380258 Units: mg/Kg-dry
 Analysis Date: 08/25/2000 3:32 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Selenium	ND	223.96	199	89	223.96	197	88	0.60	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-01
 RunID: TJAT_000824C-380255 Units: mg/Kg-dry
 Analysis Date: 08/25/2000 3:11 Analyst: EG
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	6.0	112	92.7	77.4	112	91.8	76.6	1.09	20	75	125
Selenium	ND	224	169	75.3	224	167	74.6*	0.988	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix interference



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 HOUSTON, TEXAS 77054
 (713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080560
 Lab Batch ID: 6783-T

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-01
 RunID: TJAT_000824C-380255 Units: mg/Kg-dry
 Analysis Date: 08/25/2000 3:11 Analyst: EG
 Preparation Date: 08/23/2000 8:00 Prep By: MR Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Silver	ND	112	93.8	83.7	112	92.6	82.7	1.22	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7471A

WorkOrder: 00080560
 Lab Batch ID: 6808

Method Blank

Samples in Analytical Batch:

RunID: HGL_000824C-378628 Units: mg/L
 Analysis Date: 08/24/2000 12:42 Analyst: PB
 Preparation Date: 08/24/2000 0:00 Prep By: Method:

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Analyte	Result	Rep Limit
Mercury	ND	2

Laboratory Control Sample (LCS)

RunID: HGL_000824C-378629 Units: mg/Kg
 Analysis Date: 08/24/2000 12:42 Analyst: PB
 Preparation Date: 08/24/2000 10:45 Prep By: PB Method: SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	2.17	2.72	N/A	1.48	2.86

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-01
 RunID: HGL_000824C-378632 Units: mg/Kg-dry
 Analysis Date: 08/24/2000 12:42 Analyst: PB
 Preparation Date: 08/24/2000 10:45 Prep By: PB Method: SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.37	0.369	96.8	0.37	0.369	96.7	0.188	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080560
Lab Batch ID: 6777

Method Blank

Samples in Analytical Batch:

RunID: J_000823A-377982 Units: ug/Kg
Analysis Date: 08/23/2000 11:35 Analyst: S_G
Preparation Date: 08/22/2000 17:32 Prep By: J_F Method: SW3550A

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Chrysene	ND	330
Dibenz(a,h)anthracene	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Naphthalene	ND	330
Phenanthrene	ND	330
Pyrene	ND	330
Surr: 2,4,6-Tribromophenol	100.0	19-122
Surr: 2-Fluorobiphenyl	100.0	30-115
Surr: 2-Fluorophenol	92.0	25-121
Surr: Nitrobenzene-d5	105.9	23-120
Surr: Phenol-d5	88.0	24-113
Surr: Terphenyl-d14	94.1	18-137

Laboratory Control Sample (LCS)

RunID: J_000823A-377983 Units: ug/Kg
Analysis Date: 08/23/2000 12:42 Analyst: S_G
Preparation Date: 08/22/2000 17:32 Prep By: J_F Method: SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1500	88	39	110
1,4-Dichlorobenzene	1700	1400	82	36	110
2,4-Dinitrotoluene	1700	1500	88	50	150
2-Chlorophenol	2500	2000	80	27	123
4-Chloro-3-methylphenol	2500	2400	96	23	110
4-Nitrophenol	2500	2600	104	25	150
Acenaphthene	1700	1400	82	46	125
N-Nitrosodi-n-propylamine	1700	1400	82	41	116
Pentachlorophenol	2500	2500	100	9	125
Phenol	2500	2000	80	12	110
Pyrene	1700	1700	100	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080560
 Lab Batch ID: 6777

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080310-12
 RunID: J_000823A-377990 Units: ug/Kg-dry
 Analysis Date: 08/23/2000 20:13 Analyst: S_G
 Preparation Date: 08/22/2000 17:32 Prep By: J_F Method: SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1890	1600	82	1890	1600	82	0	28	39	110
1,4-Dichlorobenzene	ND	1890	1400	76	1890	1400	76	0	28	36	110
2,4-Dinitrotoluene	ND	1890	1900	100	1890	1700	88	13	50	50	150
2-Chlorophenol	ND	2770	2200	80	2770	2200	80	0	40	27	123
4-Chloro-3-methylphenol	ND	2770	2900	104	2770	2800	100	4	42	23	110
4-Nitrophenol	ND	2770	3700	132	2770	3200	116	13	50	25	150
Acenaphthene	ND	1890	2300	116	1890	2400	122	5	31	46	125
N-Nitrosodi-n-propylamine	ND	1890	1700	88	1890	1700	88	0	38	41	116
Pentachlorophenol	ND	2770	2800	100	2770	2700	96	4	50	9	125
Phenol	ND	2770	2300	84	2770	2400	88	5	42	12	110
Pyrene	1100	1890	5000	206*	1890	5300	224*	8	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method-Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080560
 Lab Batch ID: 6809

Method Blank

RunID: L_000823B-378183 Units: ug/Kg
 Analysis Date: 08/23/2000 11:20 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080560-01A	S-14786-082100-JJB-021
00080560-02A	S-14786-082100-JJB-022
00080560-03A	S-14786-082100-JJB-023
00080560-04A	S-14786-082100-JJB-024
00080560-05A	S-14786-082100-JJB-025

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	380
Surr: 1,2-Dichloroethane-d4	97.6	70-120
Surr: 4-Bromofluorobenzene	105.6	74-130
Surr: Toluene-d8	97.6	80-140

Laboratory Control Sample (LCS)

RunID: L_000823B-378182 Units: ug/L
 Analysis Date: 08/23/2000 10:29 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080560
 Lab Batch ID: 6809

Laboratory Control Sample (LCS)

RunID: L_000823B-378182 Units: ug/L
 Analysis Date: 08/23/2000 10:29 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	104	79	119
Chlorobenzene	50	42	84	74	110
Toluene	50	47	94	73	113
Trichloroethene	50	48	96	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080560-01
 RunID: L_000823B-378185 Units: ug/Kg-dry
 Analysis Date: 08/23/2000 12:12 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2800	2200	80	2800	2400	84	5	22	59	172
Benzene	ND	2800	3000	108	2800	2900	104	4	21	66	142
Chlorobenzene	ND	2800	2400	84	2800	2400	84	0	21	60	133
Toluene	ND	2800	2700	96	2800	2700	96	0	21	59	139
Trichloroethene	ND	2800	2800	100	2800	2700	96	4	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080560
 Lab Batch ID: R

Method Blank

Samples in Analytical Batch:

RunID: 8010_000828B-383389 Units: mg/Kg
 Analysis Date: 08/28/2000 0:00 Analyst: SUB
 Preparation Date: 08/24/2000 0:00 Prep By: Method:

Lab Sample ID
 00080560-01B
 00080560-02B
 00080560-03B
 00080560-04B
 00080560-05B
 00080560-06B

Client Sample ID
 S-14786-082100-JJB-021
 S-14786-082100-JJB-022
 S-14786-082100-JJB-023
 S-14786-082100-JJB-024
 S-14786-082100-JJB-025
 S-14786-082100-JJB-026

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000828B-383390 Units: mg/Kg
 Analysis Date: 08/28/2000 0:00 Analyst: SUB
 Preparation Date: 08/24/2000 0:00 Prep By: Method:

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	8.41	84	66	95
Cadmium	1	0.85	85	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000828SB
 RunID: 8010_000828B-383392 Units: mg/Kg
 Analysis Date: 08/28/2000 0:00 Analyst: SUB
 Preparation Date: 08/24/2000 0:00 Prep By: Method:

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	3.6	10	10.4	68.4	10	11.2	76.4	11.0	20	60	94
Cadmium	0.20	1	0.92	72.0	1	0.95	75.0	4.08	20	67	98

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080560
 Lab Batch ID: R19416

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080560-01B	S-14786-082100-JJB-021
00080560-02B	S-14786-082100-JJB-022
00080560-03B	S-14786-082100-JJB-023
00080560-04B	S-14786-082100-JJB-024
00080560-05B	S-14786-082100-JJB-025
00080560-06B	S-14786-082100-JJB-026

Sample Duplicate

Original Sample: 00080310-12
 RunID: WET_000823C-377112 Units: wt%
 Analysis Date: 08/23/2000 9:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	8.9	9.9	11	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

00080560

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
11100 Metro Airport Center Drive - Suite 160
Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):

SOUTHERN PETROLEUM LAB HOUSTON, TX

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:

14876

PROJECT NAME:

CM + STR

SAMPLER'S SIGNATURE:

PRINTED NAME:

JEREMY BELL

SEQ. No.	DATE	TIME	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS							REMARKS	
					RLRA	PAHs	PCBs	TEL	VOCs				
1	8/21/00		S-14786-082100-JJB-021	2	X	X	X	X					7-day TAT ↓
2			-022	2	X	X	X	X					
3			-023	2	X	X	X	X					
4			-024	2	X	X	X	X					
5			-025	3	X	X	X	X					
6	8/21/00		-026 SOIL	3	X	X	X	X					

RUSH

TOTAL NUMBER OF CONTAINERS **14**

encore

RELINQUISHED BY: 1.	DATE: 8/21/00 TIME: 18:00pm	RECEIVED BY: 1. _____	DATE: TIME:
RELINQUISHED BY: 2. _____	DATE: TIME:	RECEIVED BY: 2. _____	DATE: TIME:
RELINQUISHED BY: 3. _____	DATE: TIME:	RECEIVED BY: 1. _____	DATE: TIME:

METHOD OF SHIPMENT: **FED-EX**

AIR BILL No. 8204 19334672

White - Fully Executed Copy Pink - Shipper Copy
Yellow - Receiving Laboratory Copy Goldenrod - Sampler Copy

11027

SAMPLE TEAM:
J. Bell
A. Kiriakopoulos

RECEIVED FOR LABORATORY BY:

DATE: 8/21/00 TIME: 1000

4



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080560

Received by: Estrada, Ruben

Date and Time Received: 8/22/00 10:00:00 AM

Carrier name: FedEx

Temperature: 4

-
- | | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
-



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080457

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	8/30/00
48174-		
ph: (734) 942-0909	fax: (734) 942-3080	

As per our conversation on August 18, 2000, the laboratory analyzed your samples on a 5 day turn around time.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

ORIGINAL ANALYTICAL REPORT

Project#: 14876 Lab#: 00080457

Name: CN + Grand Trunk

Description

Event: Phase II ESA

Samples: S-Soil(4-8)

Analysis: PNA, PCB, VOC, PCLA

metals

TAT: 7 day → late

Lab: SPL

Checked Against Preliminary Data:

Date: 9/5/00 Init.: mw

Date of Validation Memo: _____

Invoice Approval Date: _____

Comments: _____

8/30/00

rec'd 9-1-2000
 SDG I

Sonia West
 West, Sonia
 Senior Project Manager

Date



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HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080457

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00
---	---

As per our conversation on August 18, 2000, the laboratory analyzed your samples on a 5 day turn around time.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

West, Sonia
Senior Project Manager

8/30/00

Date



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Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080457

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080		Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00	
Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080			

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
14876-081600-JJB-004	00080457-01	Soil	8/16/00 9:30:00 AM	8/17/00 10:00:00 AM	11024	<input type="checkbox"/>
14876-081600-JJB-005	00080457-02	Soil	8/16/00 9:55:00 AM	8/17/00 10:00:00 AM	11024	<input type="checkbox"/>
S-14876-081600-JJB-006	00080457-03	Soil	8/16/00 10:15:00 AM	8/17/00 10:00:00 AM	11024	<input type="checkbox"/>
14876-081600-JJB-007	00080457-04	Soil	8/16/00 10:30:00 AM	8/17/00 10:00:00 AM	11024	<input type="checkbox"/>
4876-081600-DRD-008	00080457-05	Soil	8/16/00 3:45:00 PM	8/17/00 10:00:00 AM	11024	<input type="checkbox"/>

Sonia West
 West, Sonia
 Senior Project Manager

8/30/00

Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



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Client Sample ID S-14876-081600-JJB-004 Collected: 8/16/00 9:30:00 SPL Sample ID: 00080457-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.36	1		08/18/00 12:44	PB	373277

Run ID/Seq #: HGL_000818A-373277

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	61	1.18	1		08/23/00 5:04	EG	377016
Chromium	35.7	2.95	1		08/23/00 5:04	EG	377016
Lead	45.5	2.36	1		08/23/00 5:04	EG	377016
Selenium	ND	0.590	1		08/23/00 5:04	EG	377016
Silver	ND	0.590	1		08/23/00 5:04	EG	377016

Run ID/Seq #: TJAT_000822A-377016

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.93	0.118	1		08/25/00 0:00	SUB	381033
Cadmium	0.271	0.0590	1		08/25/00 0:00	SUB	381033

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	15.2	0	1		08/17/00 19:00	KM	372600

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



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Client Sample ID S-14876-081600-JJB-005 Collected: 8/16/00 9:55:00 SPL Sample ID: 00080457-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.34	1		08/18/00 12:44	PB	373278

Run ID/Seq #: HGL_000818A-373278

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	41.7	1.17	1		08/23/00 5:11	EG	377017
Chromium	35.2	2.92	1		08/23/00 5:11	EG	377017
Lead	48.5	2.34	1		08/23/00 5:11	EG	377017
Selenium	ND	0.585	1		08/23/00 5:11	EG	377017
Silver	ND	0.585	1		08/23/00 5:11	EG	377017

Run ID/Seq #: TJAT_000822A-377017

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	8.04	0.117	1		08/25/00 0:00	SUB	381034
Cadmium	0.304	0.0585	1		08/25/00 0:00	SUB	381034

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	14.5	0	1		08/17/00 19:00	KM	372601

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



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Client Sample ID S-14876-081600-JJB-006 Collected: 8/16/00 10:15:00 SPL Sample ID: 00080457-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.29	1		08/18/00 12:44	PB	373279

Run ID/Seq #: HGL_000818A-373279

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	51.6	1.15	1		08/23/00 5:18	EG	377018
Chromium	26.8	2.86	1		08/23/00 5:18	EG	377018
Lead	14.8	2.29	1		08/23/00 5:18	EG	377018
Selenium	ND	0.573	1		08/23/00 5:18	EG	377018
Silver	ND	0.573	1		08/23/00 5:18	EG	377018

Run ID/Seq #: TJAT_000822A-377018

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.8	0.115	1		08/25/00 0:00	SUB	381035
Cadmium	0.218	0.0573	1		08/25/00 0:00	SUB	381035

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	12.7	0	1		08/17/00 19:00	KM	372602

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



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Client Sample ID S-14876-081600-JJB-007 Collected: 8/16/00 10:30:00 SPL Sample ID: 00080457-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.10	1		08/18/00 12:44	PB	373280

Run ID/Seq #: HGL_000818A-373280

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	18.5	1.05	1		08/22/00 8:50	EG	376769
Chromium	12.7	2.63	1		08/22/00 8:50	EG	376769
Lead	13.4	2.10	1		08/22/00 8:50	EG	376769
Selenium	ND	0.525	1		08/23/00 5:25	EG	377401
Silver	ND	0.525	1		08/23/00 5:25	EG	377019

Run ID/Seq #: TJAT_000821D-376769

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

Run ID/Seq #: TJAT_000822A-377019

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

Run ID/Seq #: TJAT_000822B-377401

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	7.36	0.105	1		08/25/00 0:00	SUB	381036
Cadmium	0.378	0.0525	1		08/25/00 0:00	SUB	381036

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	4.8	0	1		08/17/00 19:00	KM	372603

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1221	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1232	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1242	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1248	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1254	ND	350	10		08/17/00 17:35	AR	372752
Aroclor 1260	ND	350	10		08/17/00 17:35	AR	372752
Surr: Tetrachloro-m-xylene	69.0	% 29-121	10		08/17/00 17:35	AR	372752
Surr: Decachlorobiphenyl	93.9	% 27-156	10		08/17/00 17:35	AR	372752

Run ID/Seq #: GS_W_000817A-372752

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:46	J_L

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



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Client Sample ID S-14876-081600-JJB-007

Collected: 8/16/00 10:30:00 SPL Sample ID: 00080457-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	350	1		08/17/00 16:58	S_G	372710
Anthracene	ND	350	1		08/17/00 16:58	S_G	372710
Benz(a)anthracene	ND	350	1		08/17/00 16:58	S_G	372710
Benzo(a)pyrene	ND	350	1		08/17/00 16:58	S_G	372710
Benzo(b)fluoranthene	ND	350	1		08/17/00 16:58	S_G	372710
Benzo(g,h,i)perylene	ND	350	1		08/17/00 16:58	S_G	372710
Benzo(k)fluoranthene	ND	350	1		08/17/00 16:58	S_G	372710
Chrysene	ND	350	1		08/17/00 16:58	S_G	372710
Dibenz(a,h)anthracene	ND	350	1		08/17/00 16:58	S_G	372710
Fluoranthene	ND	350	1		08/17/00 16:58	S_G	372710
Fluorene	ND	350	1		08/17/00 16:58	S_G	372710
Indeno(1,2,3-cd)pyrene	ND	350	1		08/17/00 16:58	S_G	372710
Naphthalene	ND	350	1		08/17/00 16:58	S_G	372710
Phenanthrene	ND	350	1		08/17/00 16:58	S_G	372710
Pyrene	ND	350	1		08/17/00 16:58	S_G	372710
Surr: 2,4,6-Tribromophenol	92.0 %	19-122	1		08/17/00 16:58	S_G	372710
Surr: 2-Fluorobiphenyl	70.6 %	30-115	1		08/17/00 16:58	S_G	372710
Surr: 2-Fluorophenol	68.0 %	25-121	1		08/17/00 16:58	S_G	372710
Surr: Nitrobenzene-d5	70.6 %	23-120	1		08/17/00 16:58	S_G	372710
Surr: Phenol-d5	68.0 %	24-113	1		08/17/00 16:58	S_G	372710
Surr: Terphenyl-d14	94.1 %	18-137	1		08/17/00 16:58	S_G	372710

Run ID/Seq #: J_000817A-372710

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:41	J_L

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



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Client Sample ID S-14876-081600-JJB-007

Collected: 8/16/00 10:30:00 SPL Sample ID: 00080457-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	53	50		08/17/00 15:09	LT	372953
1,1,2,2-Tetrachloroethane	ND	53	50		08/17/00 15:09	LT	372953
1,1,2-Trichloroethane	ND	53	50		08/17/00 15:09	LT	372953
1,1-Dichloroethane	ND	53	50		08/17/00 15:09	LT	372953
1,1-Dichloroethene	ND	53	50		08/17/00 15:09	LT	372953
1,2-Dichloroethane	ND	53	50		08/17/00 15:09	LT	372953
1,2-Dichloropropane	ND	53	50		08/17/00 15:09	LT	372953
2-Butanone	ND	2600	50		08/17/00 15:09	LT	372953
2-Hexanone	ND	2600	50		08/17/00 15:09	LT	372953
4-Methyl-2-pentanone	ND	2600	50		08/17/00 15:09	LT	372953
Acetone	ND	5300	50		08/17/00 15:09	LT	372953
Benzene	ND	53	50		08/17/00 15:09	LT	372953
Bromodichloromethane	ND	53	50		08/17/00 15:09	LT	372953
Bromoform	ND	53	50		08/17/00 15:09	LT	372953
Bromomethane	ND	53	50		08/17/00 15:09	LT	372953
Carbon disulfide	ND	260	50		08/17/00 15:09	LT	372953
Carbon tetrachloride	ND	53	50		08/17/00 15:09	LT	372953
Chlorobenzene	ND	53	50		08/17/00 15:09	LT	372953
Chloroethane	ND	530	50		08/17/00 15:09	LT	372953
Chloroform	ND	53	50		08/17/00 15:09	LT	372953
Chloromethane	ND	530	50		08/17/00 15:09	LT	372953
dibromochloromethane	ND	53	50		08/17/00 15:09	LT	372953
Ethylbenzene	ND	53	50		08/17/00 15:09	LT	372953
Methylene chloride	ND	260	50		08/17/00 15:09	LT	372953
Styrene	ND	53	50		08/17/00 15:09	LT	372953
Tetrachloroethene	ND	53	50		08/17/00 15:09	LT	372953
Toluene	ND	53	50		08/17/00 15:09	LT	372953
trans-1,3-Dichloropropene	ND	53	50		08/17/00 15:09	LT	372953
Trichloroethene	ND	53	50		08/17/00 15:09	LT	372953
Vinyl chloride	ND	53	50		08/17/00 15:09	LT	372953
cis-1,2-Dichloroethene	ND	53	50		08/17/00 15:09	LT	372953
cis-1,3-Dichloropropene	ND	53	50		08/17/00 15:09	LT	372953
trans-1,2-Dichloroethene	ND	53	50		08/17/00 15:09	LT	372953
Xylenes, Total	ND	160	50		08/17/00 15:09	LT	372953
Surr: 1,2-Dichloroethane-d4	104	% 70-120	50		08/17/00 15:09	LT	372953
Surr: 4-Bromofluorobenzene	108	% 74-130	50		08/17/00 15:09	LT	372953
Surr: Toluene-d8	96.0	% 80-140	50		08/17/00 15:09	LT	372953

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



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Client Sample ID S-14876-081600-JJB-007

Collected: 8/16/00 10:30:00 SPL Sample ID: 00080457-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000817A-372953

Prep Method	Prep Date	Prep Initials
SW5035	08/17/2000 12:33	PC

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



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Client Sample ID S-14876-081600-DRD-008 Collected: 8/16/00 3:45:00 SPL Sample ID: 00080457-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.40	1		08/18/00 12:44	PB	373281

Run ID/Seq #: HGL_000818A-373281

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	15.5	1.20	1		08/22/00 8:57	EG	376770
Chromium	25	2.99	1		08/22/00 8:57	EG	376770
Lead	8.06	2.40	1		08/22/00 8:57	EG	376770
Selenium	ND	0.599	1		08/22/00 8:57	EG	376770
Silver	ND	0.599	1		08/23/00 5:45	EG	377020

Run ID/Seq #: TJAT_000821D-376770

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

Run ID/Seq #: TJAT_000822A-377020

Prep Method	Prep Date	Prep Initials
SW3050B	08/18/2000 8:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	6.43	0.120	1		08/25/00 0:00	SUB	381037
Cadmium	0.168	0.0599	1		08/25/00 0:00	SUB	381037

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	16.7	0	1		08/17/00 19:00	KM	372604

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1221	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1232	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1242	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1248	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1254	ND	400	10		08/17/00 17:53	AR	372754
Aroclor 1260	ND	400	10		08/17/00 17:53	AR	372754
Surr: Tetrachloro-m-xylene	69.4	% 29-121	10		08/17/00 17:53	AR	372754
Surr: Decachlorobiphenyl	95.0	% 27-156	10		08/17/00 17:53	AR	372754

Run ID/Seq #: GS_W_000817A-372754

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:46	J_L

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



Client Sample ID S-14876-081600-DRD-008 Collected: 8/16/00 3:45:00 SPL Sample ID: 00080457-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	400		1	08/17/00 17:33	S_G	372711
Anthracene	ND	400		1	08/17/00 17:33	S_G	372711
Benz(a)anthracene	ND	400		1	08/17/00 17:33	S_G	372711
Benzo(a)pyrene	ND	400		1	08/17/00 17:33	S_G	372711
Benzo(b)fluoranthene	ND	400		1	08/17/00 17:33	S_G	372711
Benzo(g,h,i)perylene	ND	400		1	08/17/00 17:33	S_G	372711
Benzo(k)fluoranthene	ND	400		1	08/17/00 17:33	S_G	372711
Chrysene	ND	400		1	08/17/00 17:33	S_G	372711
Dibenz(a,h)anthracene	ND	400		1	08/17/00 17:33	S_G	372711
Fluoranthene	ND	400		1	08/17/00 17:33	S_G	372711
Fluorene	ND	400		1	08/17/00 17:33	S_G	372711
Indeno(1,2,3-cd)pyrene	ND	400		1	08/17/00 17:33	S_G	372711
Naphthalene	ND	400		1	08/17/00 17:33	S_G	372711
Phenanthrene	ND	400		1	08/17/00 17:33	S_G	372711
Pyrene	ND	400		1	08/17/00 17:33	S_G	372711
Surr: 2,4,6-Tribromophenol	100 %	19-122		1	08/17/00 17:33	S_G	372711
Surr: 2-Fluorobiphenyl	88.2 %	30-115		1	08/17/00 17:33	S_G	372711
Surr: 2-Fluorophenol	80.0 %	25-121		1	08/17/00 17:33	S_G	372711
Surr: Nitrobenzene-d5	88.2 %	23-120		1	08/17/00 17:33	S_G	372711
Surr: Phenol-d5	80.0 %	24-113		1	08/17/00 17:33	S_G	372711
Surr: Terphenyl-d14	106 %	18-137		1	08/17/00 17:33	S_G	372711

Run ID/Seq #: J_000817A-372711

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:41	J_L

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



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Client Sample ID S-14876-081600-DRD-008

Collected: 8/16/00 3:45:00

SPL Sample ID: 00080457-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B							
			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/17/00 16:42	LT	372890
1,1,2,2-Tetrachloroethane	ND	60	50		08/17/00 16:42	LT	372890
1,1,2-Trichloroethane	ND	60	50		08/17/00 16:42	LT	372890
1,1-Dichloroethane	ND	60	50		08/17/00 16:42	LT	372890
1,1-Dichloroethene	ND	60	50		08/17/00 16:42	LT	372890
1,2-Dichloroethane	ND	60	50		08/17/00 16:42	LT	372890
1,2-Dichloropropane	ND	60	50		08/17/00 16:42	LT	372890
2-Butanone	ND	3000	50		08/17/00 16:42	LT	372890
2-Hexanone	ND	3000	50		08/17/00 16:42	LT	372890
4-Methyl-2-pentanone	ND	3000	50		08/17/00 16:42	LT	372890
Acetone	ND	6000	50		08/17/00 16:42	LT	372890
Benzene	ND	60	50		08/17/00 16:42	LT	372890
Bromodichloromethane	ND	60	50		08/17/00 16:42	LT	372890
Bromoform	ND	60	50		08/17/00 16:42	LT	372890
Bromomethane	ND	60	50		08/17/00 16:42	LT	372890
Carbon disulfide	ND	300	50		08/17/00 16:42	LT	372890
Carbon tetrachloride	ND	60	50		08/17/00 16:42	LT	372890
Chlorobenzene	ND	60	50		08/17/00 16:42	LT	372890
Chloroethane	ND	600	50		08/17/00 16:42	LT	372890
Chloroform	ND	60	50		08/17/00 16:42	LT	372890
Chloromethane	ND	600	50		08/17/00 16:42	LT	372890
dibromochloromethane	ND	60	50		08/17/00 16:42	LT	372890
Ethylbenzene	ND	60	50		08/17/00 16:42	LT	372890
Methylene chloride	ND	300	50		08/17/00 16:42	LT	372890
Styrene	ND	60	50		08/17/00 16:42	LT	372890
Tetrachloroethene	ND	60	50		08/17/00 16:42	LT	372890
Toluene	ND	60	50		08/17/00 16:42	LT	372890
trans-1,3-Dichloropropene	ND	60	50		08/17/00 16:42	LT	372890
Trichloroethene	ND	60	50		08/17/00 16:42	LT	372890
Vinyl chloride	ND	60	50		08/17/00 16:42	LT	372890
cis-1,2-Dichloroethene	ND	60	50		08/17/00 16:42	LT	372890
cis-1,3-Dichloropropene	ND	60	50		08/17/00 16:42	LT	372890
trans-1,2-Dichloroethene	ND	60	50		08/17/00 16:42	LT	372890
Xylenes, Total	ND	180	50		08/17/00 16:42	LT	372890
Surr: 1,2-Dichloroethane-d4	108	% 70-120	50		08/17/00 16:42	LT	372890
Surr: 4-Bromofluorobenzene	108	% 74-130	50		08/17/00 16:42	LT	372890
Surr: Toluene-d8	92.0	% 80-140	50		08/17/00 16:42	LT	372890

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



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Client Sample ID S-14876-081600-DRD-008 Collected: 8/16/00 3:45:00 SPL Sample ID: 00080457-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method Result Rep.Limit Dil. Factor QUAL Date Analyzed Analyst Seq. #

Run ID/Seq #: L_000817A-372890

Prep Method	Prep Date	Prep Initials
SW5035	08/17/2000 12:33	PC

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



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080457
 Lab Batch ID: 6679

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000817A-372750 Units: ug/Kg
 Analysis Date: 08/17/2000 16:58 Analyst: AR
 Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Lab Sample ID	Client Sample ID
00080457-04A	S-14876-081600-JJB-007
00080457-05A	S-14876-081600-DRD-008

Analyte	Result	Rep Limit
Aroclor 1016	ND	33
Aroclor 1221	ND	33
Aroclor 1232	ND	33
Aroclor 1242	ND	33
Aroclor 1248	ND	33
Aroclor 1254	ND	33
Aroclor 1260	ND	33
Surr: Decachlorobiphenyl	92.4	27-156
Surr: Tetrachloro-m-xylene	72.2	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000817A-372747 Units: ug/Kg
 Analysis Date: 08/17/2000 16:40 Analyst: AR
 Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	220	67	50	132
Aroclor 1260	333	260	77	30	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-02
 RunID: GS_W_000817A-372758 Units: ug/Kg-dry
 Analysis Date: 08/17/2000 18:29 Analyst: AR
 Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	398	270	67.4	398	260	64.8	3.92	30	50	132
Aroclor 1260	ND	398	330	83.9	398	330	82.6	1.48	24	30	130

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7471A

WorkOrder: 00080457
 Lab Batch ID: 6706

Method Blank

Samples in Analytical Batch:

RunID: HGL_000818A-373254 Units: mg/L
 Analysis Date: 08/18/2000 12:44 Analyst: PB
 Preparation Date: 08/18/2000 0:00 Prep By: Method

Lab Sample ID	Client Sample ID
00080457-01A	S-14876-081600-JJB-004
00080457-02A	S-14876-081600-JJB-005
00080457-03A	S-14876-081600-JJB-006
00080457-04A	S-14876-081600-JJB-007
00080457-05A	S-14876-081600-DRD-008

Analyte	Result	Rep Limit
Mercury	ND	2

Laboratory Control Sample (LCS)

RunID: HGL_000818A-373255 Units: mg/Kg
 Analysis Date: 08/18/2000 12:44 Analyst: PB
 Preparation Date: 08/18/2000 10:45 Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	3.48	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080458-11
 RunID: HGL_000818A-373257 Units: mg/Kg
 Analysis Date: 08/18/2000 12:44 Analyst: PB
 Preparation Date: 08/18/2000 10:45 Prep By: PB Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.33	0.328	94.3	0.33	0.317	91.2	3.33	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080457
Lab Batch ID: 6715-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000821D-376732	Units: mg/Kg	Lab Sample ID	Client Sample ID
Analysis Date: 08/22/2000 5:44	Analyst: EG	00080457-04A	S-14876-081600-JJB-007
Preparation Date: 08/18/2000 8:30	Prep By: MR Method SW3050B	00080457-05A	S-14876-081600-DRD-008

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000821D-376733 Units: mg/Kg
Analysis Date: 08/22/2000 5:50 Analyst: EG
Preparation Date: 08/18/2000 8:30 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	108	N/A	86	137
Chromium	99.4	106	N/A	76.6	122
Lead	97.8	98.8	N/A	74.5	121
Selenium	143	130	N/A	106	180

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080458-11
RunID: TJAT_000821D-376735 Units: mg/Kg
Analysis Date: 08/22/2000 6:06 Analyst: EG
Preparation Date: 08/18/2000 8:30 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	170	100	260	90.5	100	261	91.0	0.584	20	75	125
Chromium	27	100	118	91.6	100	117	90.7	1.02	20	75	125
Lead	10	100	95.2	84.9	100	95.1	84.7	0.146	20	75	125
Selenium	ND	200	156	77.9	200	154	76.8	1.41	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080457
Lab Batch ID: 6715B-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000822A-376950 Units: mg/Kg
Analysis Date: 08/22/2000 23:55 Analyst: EG
Preparation Date: 08/18/2000 8:30 Prep By: MR Method SW3050B

Lab Sample ID	Client Sample ID
00080457-01A	S-14876-081600-JJB-004
00080457-02A	S-14876-081600-JJB-005
00080457-03A	S-14876-081600-JJB-006
00080457-04A	S-14876-081600-JJB-007
00080457-05A	S-14876-081600-DRD-008

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000822A-376951 Units: mg/Kg
Analysis Date: 08/23/2000 0:02 Analyst: EG
Preparation Date: 08/18/2000 8:30 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	106	N/A	86	137
Chromium	99.4	108	N/A	76.6	122
Lead	97.8	101	N/A	74.5	121
Selenium	143	128	N/A	106	180
Silver	107	110	N/A	80	135

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 00080458-11
RunID: TJAT_000822A-377052 Units: mg/Kg
Analysis Date: 08/23/2000 1:16 Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	169	200	362	96	200	358	94	2.0	20	75	125
Chromium	30.5	200	226	98	200	215	92	5.5	20	75	125
Lead	10.3	200	203	96	200	196	93	3.9	20	75	125
Selenium	ND	400	353	88	400	350	87	1.0	20	75	125
Silver	ND	200	187	93	200	193	97	3.2	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatiles Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080457
Lab Batch ID: 6677

Method Blank

Samples in Analytical Batch:

RunID: J_000817A-372696 Units: ug/Kg
Analysis Date: 08/17/2000 14:07 Analyst: S_G
Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Lab Sample ID: 00080457-04A
Client Sample ID: S-14876-081600-JJB-007

Lab Sample ID: 00080457-05A
Client Sample ID: S-14876-081600-DRD-008

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Chrysene	ND	330
Dibenz(a,h)anthracene	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Naphthalene	ND	330
Phenanthrene	ND	330
Pyrene	ND	330
Surr: 2,4,6-Tribromophenol	88.0	19-122
Surr: 2-Fluorobiphenyl	76.5	30-115
Surr: 2-Fluorophenol	72.0	25-121
Surr: Nitrobenzene-d5	79.6	23-120
Surr: Phenol-d5	68.0	24-113
Surr: Terphenyl-d14	82.4	18-137

Laboratory Control Sample (LCS)

RunID: J_000817A-372701 Units: ug/Kg
Analysis Date: 08/17/2000 14:42 Analyst: S_G
Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1400	82	39	110
1,4-Dichlorobenzene	1700	1300	76	36	110
2,4-Dinitrotoluene	1700	1500	88	50	150
2-Chlorophenol	2500	1900	76	27	123
4-Chloro-3-methylphenol	2500	2300	92	23	110
4-Nitrophenol	2500	1800	72	25	150
Acenaphthene	1700	1400	82	46	125
N-Nitrosodi-n-propylamine	1700	1400	82	41	116
Pentachlorophenol	2500	1600	64	9	125
Phenol	2500	1900	76	12	110
Pyrene	1700	1500	88	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080457
 Lab Batch ID: 6677

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-02
 RunID: J_000817A-372707 Units: ug/Kg-dry
 Analysis Date: 08/17/2000 15:50 Analyst: S_G
 Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	2030	1400	71	2030	1400	71	0	28	39	110
1,4-Dichlorobenzene	ND	2030	1400	71	2030	1300	65	9	28	36	110
2,4-Dinitrotoluene	ND	2030	1700	82	2030	1600	76	7	50	50	150
2-Chlorophenol	ND	2990	2200	72	2990	2000	68	6	40	27	123
4-Chloro-3-methylphenol	ND	2990	2400	80	2990	2400	80	0	42	23	110
4-Nitrophenol	ND	2990	1900	64	2990	1700	56	13	50	25	150
Acenaphthene	ND	2030	1700	82	2030	1600	76	7	31	46	125
N-Nitrosodi-n-propylamine	ND	2030	1400	71	2030	1400	71	0	38	41	116
Pentachlorophenol	ND	2990	1600	52	2990	1600	52	0	50	9	125
Phenol	ND	2990	2300	76	2990	2200	72	5	42	12	110
Pyrene	ND	2030	1700	82	2030	1800	88	7	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080457
Lab Batch ID: 6716

Method Blank

Samples in Analytical Batch:

RunID: L_000817A-372887 Units: ug/Kg
Analysis Date: 08/17/2000 14:41 Analyst: LT

Lab Sample ID Client Sample ID
00080457-04B S-14876-081600-JJB-007
00080457-05B S-14876-081600-DRD-008

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes, Total	ND	380
Surr: 1,2-Dichloroethane-d4	107.2	70-120
Surr: 4-Bromofluorobenzene	108.8	74-130
Surr: Toluene-d8	94.4	80-140

Laboratory Control Sample (LCS)

RunID: L_000817A-372886 Units: ug/L
Analysis Date: 08/17/2000 11:57 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	55	110	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080457
 Lab Batch ID: 6716

Laboratory Control Sample (LCS)

RunID: L_000817A-372886 Units: ug/L
 Analysis Date: 08/17/2000 11:57 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	54	108	79	119
Chlorobenzene	50	40	80	74	110
Toluene	50	46	92	73	113
Trichloroethene	50	50	100	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080457-04
 RunID: L_000817A-372888 Units: ug/Kg-dry
 Analysis Date: 08/17/2000 15:43 Analyst: LT
 Preparation Date: 08/17/2000 12:33 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2630	2300	88	2630	2100	80	10	22	59	172
Benzene	ND	2630	2800	108	2630	2800	108	0	21	66	142
Chlorobenzene	ND	2630	2100	80	2630	2100	80	0	21	60	133
Toluene	ND	2630	2500	96	2630	2400	92	4	21	59	139
Trichloroethene	ND	2630	2600	100	2630	2500	96	4	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080457
 Lab Batch ID: R19632

Method Blank

RunID: 8010_000825B-383468 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080457-01A	S-14876-081600-JJB-004
00080457-02A	S-14876-081600-JJB-005
00080457-03A	S-14876-081600-JJB-006
00080457-04A	S-14876-081600-JJB-007
00080457-05A	S-14876-081600-DRD-008

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000825B-383469 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	8.59	86	66	95
Cadmium	1	0.85	85	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000824SA
 RunID: 8010_000825B-383471 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	10	8.84	88.4	10	6.74	62.8	33.9*	20	60	94
Cadmium	ND	1	0.86	86.0	1	0.8	80.0	7.23	20	67	98

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080457
 Lab Batch ID: R19169

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080457-01A	S-14876-081600-JJB-004
00080457-02A	S-14876-081600-JJB-005
00080457-03A	S-14876-081600-JJB-006
00080457-04A	S-14876-081600-JJB-007

Sample Duplicate

Original Sample: 00080131-13
 RunID: WET_000817H-372593 Units: wt%
 Analysis Date: 08/17/2000 19:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	15.2	14.4	5	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



HOUSTON LABORATORY
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 (713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080457
 Lab Batch ID: R19169A

Samples in Analytical Batch:

Lab Sample ID Client Sample ID
 00080457-05A S-14876-081600-DRD-008

Sample Duplicate

Original Sample: 00080457-05
 RunID: WET_000817H-372604 Units: wt%
 Analysis Date: 08/17/2000 19:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	16.7	16.5	1	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

CRA

CONESTOGA-ROVERS & ASSOCIATES, INC.
11100 Metro Airport Center Drive - Suite 160
Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):

SPL

00080457

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:

14876

PROJECT NAME:

CN + GTR

SAMPLER'S SIGNATURE:

Dan Deitner

PRINTED NAME:

Dan Deitner

No. OF CONTAINERS

PARAMETERS

RCM Metals
TCL VOCs
PMTAs
PCBs

REMARKS

SEQ. No.

DATE

TIME

SAMPLE TYPE

Standard
turn around time

Aug 16/00	9:30	S-14876-081600-JJB-004	Soil	1	X														
	9:55			1	X														
	10:15			2	X	X	X	X											
	10:30	S-14876-081600-JJB-007		2	X	X	X	X											
	1:45	S-14876-081600-PRD-008		2	X	X	X	X											

RUSH

TOTAL NUMBER OF CONTAINERS

6

RELINQUISHED BY:

1. *Dan Deitner*

DATE: 08/16/00

TIME: 6:45pm

RECEIVED BY:

1. _____

DATE:

TIME:

RELINQUISHED BY:

2. _____

DATE:

TIME:

RECEIVED BY:

2. _____

DATE:

TIME:

RELINQUISHED BY:

3. _____

DATE:

TIME:

RECEIVED BY:

1. _____

DATE:

TIME:

METHOD OF SHIPMENT:

FED EX

AIR BILL No.

821 280 509596

White
Yellow

-Fully Executed Copy
-Receiving Laboratory Copy

Pink
Goldenrod

-Shipper Copy
-Sampler Copy

SAMPLE TEAM:

Jeremy Bell

RECEIVED FOR LABORATORY BY:

DATE: 8-17-00 TIME: 10:00

11024



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080457
Date and Time Received: 8/17/00 10:00:00 AM
Temperature: 3

Received by: Stelly, D'Anna
Carrier name: FedEx

-
- | | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
-



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080413

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	8/30/00
48174-		
ph: (734) 942-0909		
fax: (734) 942-3080		

As per our conversation on August 18, 2000, the laboratory analyzed your samples on a 5 day turn around time.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

rec'd 9-1-2000
 SDG3

ORIGINAL ANALYTICAL REPORT

Project#: 14876 Lab#: 00080413

Name: CN & Grand Trunk

Description

Event: Phase II ESA

Samples: 3- Soil (1-3)

Analysis: ECRA metals, PNA,
PCB, VOC

TAT: 7 day

Lab: SPL

Checked Against Preliminary Data:

Date: 9-5-2000 Init: mm

Date of Validation Memo: _____

Invoice Approval Date: _____

Comments: _____

8/30/00

Sonia West
 West, Sonia
 Senior Project Manager

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080413

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00
---	---

As per our conversation on August 18, 2000, the laboratory analyzed your samples on a 5 day turn around time.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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


West, Sonia
Senior Project Manager

8/30/00

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080413

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080		Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 8/30/00	
Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080			

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
14876-081500-DRD-001	00080413-01	Soil	8/15/00 1:00:00 PM	8/16/00 10:00:00 AM	11025	<input type="checkbox"/>
14876-081500-JJB-002	00080413-02	Soil	8/15/00 1:10:00 PM	8/16/00 10:00:00 AM	11025	<input type="checkbox"/>
S-14876-081500-JJB-003	00080413-03	Soil	8/15/00 2:15:00 PM	8/16/00 10:00:00 AM	11025	<input type="checkbox"/>

Sonia West
 West, Sonia
 Senior Project Manager

8/30/00
 Date

Joel Grice
 Laboratory Director
 Ted Yen
 Quality Assurance Officer



Client Sample ID S-14876-081500-DRD-001 Collected: 8/15/00 1:00:00 SPL Sample ID: 00080413-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.13	1		08/18/00 12:44	PB	373272

Run ID/Seq #: HGL_000818A-373272

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	39.2	1.06		1	08/19/00 14:23	EG	375140
Chromium	18.4	2.66		1	08/19/00 14:23	EG	375140
Lead	70	2.13		1	08/19/00 14:23	EG	375140
Selenium	1.02	0.531		1	08/19/00 14:23	EG	375140
Silver	0.623	0.531		1	08/19/00 14:23	EG	375140

Run ID/Seq #: TJAT_000818D-375140

Prep Method	Prep Date	Prep Initials
SW3050B	08/17/2000 0:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	66.4	0.106		1	08/25/00 0:00	SUB	381030
Cadmium	0.446	0.0531		1	08/25/00 0:00	SUB	381030

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	5.9	0		1	08/16/00 17:30	KM	371459

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



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Client Sample ID S-14876-081500-JJB-002 Collected: 8/15/00 1:10:00 SPL Sample ID: 00080413-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.39	1		08/18/00 12:44	PB	373273

Run ID/Seq #: HGL_000818A-373273

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	18.6	1.19	1		08/19/00 15:17	EG	375146
Chromium	15.5	2.99	1		08/19/00 15:17	EG	375146
Lead	6.48	2.39	1		08/19/00 15:17	EG	375146
Selenium	ND	0.597	1		08/19/00 15:17	EG	375146
Silver	ND	0.597	1		08/19/00 15:17	EG	375146

Run ID/Seq #: TJAT_000818D-375146

Prep Method	Prep Date	Prep Initials
SW3050B	08/17/2000 0:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	3.01	0.119	1		08/25/00 0:00	SUB	381031
Cadmium	0.131	0.0597	1		08/25/00 0:00	SUB	381031

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	16.3	0	1		08/16/00 17:30	KM	371461

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/Kg-dry		
Aroclor 1016	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1221	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1232	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1242	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1248	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1254	ND	390	1		08/17/00 18:11	AR	372755
Aroclor 1260	ND	390	1		08/17/00 18:11	AR	372755
Surr: Tetrachloro-m-xylene	55.7	% 29-121	1		08/17/00 18:11	AR	372755
Surr: Decachlorobiphenyl	92.8	% 27-156	1		08/17/00 18:11	AR	372755

Run ID/Seq #: GS_W_000817A-372755

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:46	J_L

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



Client Sample ID S-14876-081500-JJB-002 Collected: 8/15/00 1:10:00 SPL Sample ID: 00080413-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/Kg-dry		
2-Methylnaphthalene	ND	390	1		08/17/00 15:16	S_G	372704
Anthracene	ND	390	1		08/17/00 15:16	S_G	372704
Benz(a)anthracene	ND	390	1		08/17/00 15:16	S_G	372704
Benzo(a)pyrene	ND	390	1		08/17/00 15:16	S_G	372704
Benzo(b)fluoranthene	ND	390	1		08/17/00 15:16	S_G	372704
Benzo(g,h,i)perylene	ND	390	1		08/17/00 15:16	S_G	372704
Benzo(k)fluoranthene	ND	390	1		08/17/00 15:16	S_G	372704
Chrysene	ND	390	1		08/17/00 15:16	S_G	372704
Dibenz(a,h)anthracene	ND	390	1		08/17/00 15:16	S_G	372704
Fluoranthene	ND	390	1		08/17/00 15:16	S_G	372704
Fluorene	ND	390	1		08/17/00 15:16	S_G	372704
Indeno(1,2,3-cd)pyrene	ND	390	1		08/17/00 15:16	S_G	372704
Naphthalene	ND	390	1		08/17/00 15:16	S_G	372704
Phenanthrene	ND	390	1		08/17/00 15:16	S_G	372704
Pyrene	ND	390	1		08/17/00 15:16	S_G	372704
Surr: 2,4,6-Tribromophenol	88.0	% 19-122	1		08/17/00 15:16	S_G	372704
Surr: 2-Fluorobiphenyl	70.6	% 30-115	1		08/17/00 15:16	S_G	372704
Surr: 2-Fluorophenol	72.0	% 25-121	1		08/17/00 15:16	S_G	372704
Surr: Nitrobenzene-d5	76.5	% 23-120	1		08/17/00 15:16	S_G	372704
Surr: Phenol-d5	72.0	% 24-113	1		08/17/00 15:16	S_G	372704
Surr: Terphenyl-d14	88.2	% 18-137	1		08/17/00 15:16	S_G	372704

Run ID/Seq #: J_000817A-372704

Prep Method	Prep Date	Prep Initials
SW3550A	08/17/2000 10:41	J_L

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID S-14876-081500-JJB-002

Collected: 8/15/00 1:10:00

SPL Sample ID: 00080413-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND	60	50		08/16/00 18:05	JC	371560
1,1,2,2-Tetrachloroethane	ND	60	50		08/16/00 18:05	JC	371560
1,1,2-Trichloroethane	ND	60	50		08/16/00 18:05	JC	371560
1,1-Dichloroethane	ND	60	50		08/16/00 18:05	JC	371560
1,1-Dichloroethene	ND	60	50		08/16/00 18:05	JC	371560
1,2-Dichloroethane	ND	60	50		08/16/00 18:05	JC	371560
1,2-Dichloropropane	ND	60	50		08/16/00 18:05	JC	371560
2-Butanone	ND	3000	50		08/16/00 18:05	JC	371560
2-Hexanone	ND	3000	50		08/16/00 18:05	JC	371560
4-Methyl-2-pentanone	ND	3000	50		08/16/00 18:05	JC	371560
Acetone	ND	6000	50		08/16/00 18:05	JC	371560
Benzene	ND	60	50		08/16/00 18:05	JC	371560
Bromodichloromethane	ND	60	50		08/16/00 18:05	JC	371560
Bromoform	ND	60	50		08/16/00 18:05	JC	371560
Bromomethane	ND	60	50		08/16/00 18:05	JC	371560
Carbon disulfide	ND	300	50		08/16/00 18:05	JC	371560
Carbon tetrachloride	ND	60	50		08/16/00 18:05	JC	371560
Chlorobenzene	ND	60	50		08/16/00 18:05	JC	371560
Chloroethane	ND	600	50		08/16/00 18:05	JC	371560
Chloroform	ND	60	50		08/16/00 18:05	JC	371560
Chloromethane	ND	600	50		08/16/00 18:05	JC	371560
dibromochloromethane	ND	60	50		08/16/00 18:05	JC	371560
Ethylbenzene	ND	60	50		08/16/00 18:05	JC	371560
Methylene chloride	ND	300	50		08/16/00 18:05	JC	371560
Styrene	ND	60	50		08/16/00 18:05	JC	371560
Tetrachloroethene	ND	60	50		08/16/00 18:05	JC	371560
Toluene	ND	60	50		08/16/00 18:05	JC	371560
trans-1,3-Dichloropropene	ND	60	50		08/16/00 18:05	JC	371560
Trichloroethene	ND	60	50		08/16/00 18:05	JC	371560
Vinyl chloride	ND	60	50		08/16/00 18:05	JC	371560
cis-1,2-Dichloroethene	ND	60	50		08/16/00 18:05	JC	371560
cis-1,3-Dichloropropene	ND	60	50		08/16/00 18:05	JC	371560
trans-1,2-Dichloroethene	ND	60	50		08/16/00 18:05	JC	371560
Xylenes, Total	ND	180	50		08/16/00 18:05	JC	371560
Surr: 1,2-Dichloroethane-d4	100	% 70-120	50		08/16/00 18:05	JC	371560
Surr: 4-Bromofluorobenzene	92.0	% 74-130	50		08/16/00 18:05	JC	371560
Surr: Toluene-d8	104	% 80-140	50		08/16/00 18:05	JC	371560

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



Client Sample ID S-14876-081500-JJB-003 Collected: 8/15/00 2:15:00 SPL Sample ID: 00080413-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7471A	Units: mg/Kg-dry		
Mercury	ND	2.12	1		08/18/00 12:44	PB	373276

Run ID/Seq #: HGL_000818A-373276

Prep Method	Prep Date	Prep Initials
SW7471A	08/18/2000 10:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg-dry		
Barium	31.1	1.06	1		08/19/00 15:26	EG	375147
Chromium	16.6	2.65	1		08/19/00 15:26	EG	375147
Lead	55.8	2.12	1		08/19/00 15:26	EG	375147
Selenium	ND	0.530	1		08/19/00 15:26	EG	375147
Silver	ND	0.530	1		08/19/00 15:26	EG	375147

Run ID/Seq #: TJAT_000818D-375147

Prep Method	Prep Date	Prep Initials
SW3050B	08/17/2000 0:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/Kg-dry		
Arsenic	30.8	0.106	1		08/25/00 0:00	SUB	381032
Cadmium	0.392	0.0530	1		08/25/00 0:00	SUB	381032

PERCENT MOISTURE			MCL	D2216	Units: wt%		
Percent Moisture	5.6	0	1		08/16/00 17:30	KM	371462

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

Quality Control Documentation



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
Method: SW8082

WorkOrder: 00080413
Lab Batch ID: 6679

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000817A-372750 Units: ug/Kg
Analysis Date: 08/17/2000 16:58 Analyst: AR
Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Lab Sample ID: 00080413-02A
Client Sample ID: S-14876-081500-JJB-002

Analyte	Result	Rep Limit
Aroclor 1016	ND	330
Aroclor 1221	ND	330
Aroclor 1232	ND	330
Aroclor 1242	ND	330
Aroclor 1248	ND	330
Aroclor 1254	ND	330
Aroclor 1260	ND	330
Surr: Decachlorobiphenyl	92.4	27-156
Surr: Tetrachloro-m-xylene	72.2	29-121

Laboratory Control Sample (LCS)

RunID: GS_W_000817A-372747 Units: ug/Kg
Analysis Date: 08/17/2000 16:40 Analyst: AR
Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aroclor 1016	333	220	67	50	132
Aroclor 1260	333	260	77	30	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-02
RunID: GS_W_000817A-372758 Units: ug/Kg-dry
Analysis Date: 08/17/2000 18:29 Analyst: AR
Preparation Date: 08/17/2000 10:46 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	398	270	67.4	398	260	64.8	3.92	30	50	132
Aroclor 1260	ND	398	330	83.9	398	330	82.6	1.48	24	30	130

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00080413
Lab Batch ID: 6692-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000818D-375137 Units: mg/Kg
Analysis Date: 08/19/2000 14:08 Analyst: EG
Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Lab Sample ID Client Sample ID
00080413-01A S-14876-081500-DRD-001
00080413-02A S-14876-081500-JJB-002
00080413-03A S-14876-081500-JJB-003

Analyte	Result	Rep Limit
Barium	ND	0.5
Chromium	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5
Silver	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000818D-375139 Units: mg/Kg
Analysis Date: 08/19/2000 14:14 Analyst: EG
Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	112	109	N/A	86	137
Chromium	99.4	96.2	N/A	76.6	122
Lead	97.8	97	N/A	74.5	121
Selenium	143	129	N/A	106	180
Silver	107	111	N/A	80	135

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-01
RunID: TJAT_000818D-375141 Units: mg/Kg-dry
Analysis Date: 08/19/2000 14:32 Analyst: EG
Preparation Date: 08/17/2000 0:00 Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	39	106	137	91.6	106	148	102	11.1	20	75	125
Chromium	18	106	111	87.3	106	105	81.6	6.69	20	75	125
Lead	70	106	156	81.3	106	155	80.0	1.54	20	75	125
Selenium	1.0	213	172	80.6	213	172	80.5	0.0720	20	75	125
Silver	0.62	106	95.9	89.6	106	98.4	92.0	2.56	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
Method: SW7471A

WorkOrder: 00080413
Lab Batch ID: 6706

Method Blank

Samples in Analytical Batch:

RunID:	HGL_000818A-373254	Units:	mg/L	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date:	08/18/2000 12:44	Analyst:	PB	00080413-01A	S-14876-081500-DRD-001
Preparation Date:	08/18/2000 0:00	Prep By:	Method	00080413-02A	S-14876-081500-JJB-002
				00080413-03A	S-14876-081500-JJB-003

Analyte	Result	Rep Limit
Mercury	ND	2

Laboratory Control Sample (LCS)

RunID: HGL_000818A-373255 Units: mg/Kg
 Analysis Date: 08/18/2000 12:44 Analyst: PB
 Preparation Date: 08/18/2000 10:45 Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	3.48	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080458-11
 RunID: HGL_000818A-373257 Units: mg/Kg
 Analysis Date: 08/18/2000 12:44 Analyst: PB
 Preparation Date: 08/18/2000 10:45 Prep By: PB Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.33	0.328	94.3	0.33	0.317	91.2	3.33	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080413
Lab Batch ID: 6677

Method Blank

Samples in Analytical Batch:

RunID: J_000817A-372696 Units: ug/Kg
Analysis Date: 08/17/2000 14:07 Analyst: S_G
Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Lab Sample ID: 00080413-02A
Client Sample ID: S-14876-081500-JJB-002

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Chrysene	ND	330
Dibenz(a,h)anthracene	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Naphthalene	ND	330
Phenanthrene	ND	330
Pyrene	ND	330
Surr: 2,4,6-Tribromophenol	88.0	19-122
Surr: 2-Fluorobiphenyl	76.5	30-115
Surr: 2-Fluorophenol	72.0	25-121
Surr: Nitrobenzene-d5	70.6	23-120
Surr: Phenol-d5	68.0	24-113
Surr: Terphenyl-d14	82.4	18-137

Laboratory Control Sample (LCS)

RunID: J_000817A-372701 Units: ug/Kg
Analysis Date: 08/17/2000 14:42 Analyst: S_G
Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1400	82	39	110
1,4-Dichlorobenzene	1700	1300	76	36	110
2,4-Dinitrotoluene	1700	1500	88	50	150
2-Chlorophenol	2500	1900	76	27	123
4-Chloro-3-methylphenol	2500	2300	92	23	110
4-Nitrophenol	2500	1800	72	25	150
Acenaphthene	1700	1400	82	46	125
N-Nitrosodi-n-propylamine	1700	1400	82	41	116
Pentachlorophenol	2500	1600	64	9	125
Phenol	2500	1900	76	12	110
Pyrene	1700	1500	88	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080413
Lab Batch ID: 6677

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-02
RunID: J_000817A-372707 Units: ug/Kg-dry
Analysis Date: 08/17/2000 15:50 Analyst: S_G
Preparation Date: 08/17/2000 10:41 Prep By: J_L Method SW3550A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	2030	1400	71	2030	1400	71	0	28	39	110
1,4-Dichlorobenzene	ND	2030	1400	71	2030	1300	65	9	28	36	110
2,4-Dinitrotoluene	ND	2030	1700	82	2030	1600	76	7	50	50	150
2-Chlorophenol	ND	2990	2200	72	2990	2000	68	6	40	27	123
4-Chloro-3-methylphenol	ND	2990	2400	80	2990	2400	80	0	42	23	110
4-Nitrophenol	ND	2990	1900	64	2990	1700	56	13	50	25	150
Acenaphthene	ND	2030	1700	82	2030	1600	76	7	31	46	125
N-Nitrosodi-n-propylamine	ND	2030	1400	71	2030	1400	71	0	38	41	116
Pentachlorophenol	ND	2990	1600	52	2990	1600	52	0	50	9	125
Phenol	ND	2990	2300	76	2990	2200	72	5	42	12	110
Pyrene	ND	2030	1700	82	2030	1800	88	7	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080413
Lab Batch ID: R19106

Method Blank

Samples in Analytical Batch:

RunID: N_000816A-371394 Units: ug/Kg
Analysis Date: 08/16/2000 17:13 Analyst: JC

Lab Sample ID: 00080413-02B
Client Sample ID: S-14876-081500-JJB-002

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,1,2-Trichloroethane	ND	120
1,1-Dichloroethane	ND	120
1,1-Dichloroethene	ND	120
1,2-Dichloroethane	ND	120
1,2-Dichloropropane	ND	120
2-Butanone	ND	6200
2-Hexanone	ND	6200
4-Methyl-2-pentanone	ND	6200
Acetone	ND	12000
Benzene	ND	120
Bromodichloromethane	ND	120
Bromoform	ND	120
Bromomethane	ND	120
Carbon disulfide	ND	620
Carbon tetrachloride	ND	120
Chlorobenzene	ND	120
Chloroethane	ND	1200
Chloroform	ND	120
Chloromethane	ND	1200
Dibromochloromethane	ND	120
Ethylbenzene	ND	120
Methylene chloride	ND	620
Styrene	ND	120
Tetrachloroethene	ND	120
Toluene	ND	120
trans-1,3-Dichloropropene	ND	120
Trichloroethene	ND	120
Vinyl chloride	ND	120
cis-1,2-Dichloroethene	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,2-Dichloroethene	ND	120
Xylenes.Total	ND	380
Surr: 1,2-Dichloroethane-d4	97.6	70-120
Surr: 4-Bromofluorobenzene	92.8	74-130
Surr: Toluene-d8	102.4	80-140

Laboratory Control Sample (LCS)

RunID: N_000816A-371393 Units: ug/L
Analysis Date: 08/16/2000 16:47 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	47	94	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 00080413
Lab Batch ID: R19106

Laboratory Control Sample (LCS)

RunID: N_000816A-371393 Units: ug/L
Analysis Date: 08/16/2000 16:47 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	47	94	79	119
Chlorobenzene	50	52	104	74	110
Toluene	50	50	100	73	113
Trichloroethene	50	48	96	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080413-02
RunID: N_000816A-371561 Units: ug/Kg-dry
Analysis Date: 08/16/2000 18:31 Analyst: JC

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2990	2700	92	2990	2700	92	0	22	59	172
Benzene	ND	2990	2900	96	2990	2900	96	0	21	66	142
Chlorobenzene	ND	2990	3200	108	2990	3200	108	0	21	60	133
Toluene	ND	2990	3100	104	2990	3100	104	0	21	59	139
Trichloroethene	ND	2990	2900	96	2990	3000	100	4	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080413
 Lab Batch ID: R19630

Method Blank

Samples in Analytical Batch:

RunID: 8010_000825A-384061 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Lab Sample ID Client Sample ID
 00080413-01A S-14876-081500-DRD-001
 00080413-02A S-14876-081500-JJB-002
 00080413-03A S-14876-081500-JJB-003

Analyte	Result	Rep Limit
Arsenic	ND	0.10
Cadmium	ND	0.050

Laboratory Control Sample (LCS)

RunID: 8010_000825A-384062 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10	8.59	86	66	95
Cadmium	1	0.85	85	74	97

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000824SA
 RunID: 8010_000825A-384064 Units: mg/Kg
 Analysis Date: 08/25/2000 0:00 Analyst: SUB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	0.46	10	8.84	83.8	10	8.74	82.8	1.20	20	60	94
Cadmium	ND	1	0.86	86.0	1	0.8	80.0	7.23	20	67	98

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: PERCENT MOISTURE
 Method: D2216

WorkOrder: 00080413
 Lab Batch ID: R19110

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080413-01A	S-14876-081500-DRD-001
00080413-02A	S-14876-081500-JJB-002
00080413-03A	S-14876-081500-JJB-003

Sample Duplicate

Original Sample: 00080413-01
 RunID: WET_000816H-371459 Units: wt%
 Analysis Date: 08/16/2000 17:30 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	5.9	5.9	0	20

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*

CRA

CONESTOGA-ROVERS & ASSOCIATES, INC.
11100 Metro Airport Center Drive - Suite 160
Romulus, MI 48174 (734) 942-0909

SHIPPED TO (Laboratory Name):

SPL

00080413

CHAIN OF CUSTODY RECORD

REFERENCE NUMBER:

148076

PROJECT NAME:

CN + GTR property

SAMPLER'S SIGNATURE:

Dan Reiter

PRINTED NAME:

Dan Reiter

PARAMETERS

No. OF CONTAINERS

SEQ. No.	DATE	TIME	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS	REMARKS
	<i>Aug 15/02</i>	<i>1:00 pm</i>	<i>S-14876-081500-DRD-001</i>	<i>1</i>	<i>X</i>	<i>Standard TAT</i>
		<i>1:10</i>	<i>S-14876-081500-JJB-002</i>	<i>2</i>	<i>X X X X</i>	
		<i>2:15</i>	<i>S-14876-081500-JJB-003</i>	<i>1</i>	<i>X</i>	

*PCRA Metals
PCB's
PNA's
TCL VOL's*

RUSH

TOTAL NUMBER OF CONTAINERS

40

RELINQUISHED BY:
1. *Dan Reiter*

DATE: *Aug 15/02*
TIME: *18:00*

RECEIVED BY:
1. _____

DATE:
TIME:

RELINQUISHED BY:
2. _____

DATE:
TIME:

RECEIVED BY:
2. _____

DATE:
TIME:

RELINQUISHED BY:
3. _____

DATE:
TIME:

RECEIVED BY:
1. _____

DATE:
TIME:

METHOD OF SHIPMENT: *FED EX*

AIR BILL No. *821280509585*

(M) (D)

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Shipper Copy
Goldenrod - Sampler Copy

SAMPLE TEAM:
Dan Reiter
Jerry Belle

RECEIVED FOR LABORATORY BY:
Urban Sit
DATE: *8/16/02* TIME: *1000*

11025



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080413
Date and Time Received: 8/16/00 10:00:00 AM
Temperature: 4

Received by: Stelly, D'Anna
Carrier name: FedEx

-
- | | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
-



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080637

Report To:	Project Name:	#14876, CN & Grand Trunk RR Propert
Conestoga-Rovers & Associates	Site:	#14876, CN & Grand Trunk RR Propert
Paul Wiseman	Site Address:	
11100 Metro Airport Center Drive	PO Number:	
Suite 160	State:	Michigan
Romulus	State Cert. No.:	
MI	Date Reported:	9/5/00
48174-		
ph: (734) 942-0909	fax: (734) 942-3080	

Upon receipt of your samples it was found that the sample ID's were not written on the chain of custody. Your samples were logged in per the amended chain received via fax on August 25, 2000.

Any data flags or quality control 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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

ORIGINAL ANALYTICAL REPORT

Project#: 14876 Lab#: 00080637

Name: CN + GrandTruck

Description

Event: Phase II ESA

Samples: 4-W (1-4)

Analysis: VOC, SVOC, PCB,
RCCA metals

TAT: 7 days => met

Lab: SPL

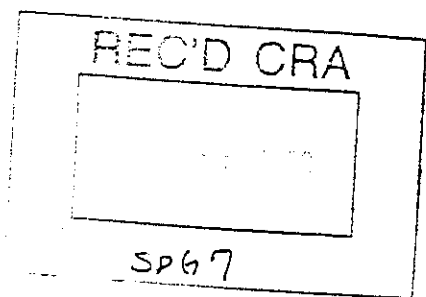
Checked Against Preliminary Data:

Date: 9/7/2000 Init: mm

Date of Validation Memo: _____

Invoice Approval Date: _____

Comments: _____ 9/5/00



Sonia West
 West, Sonia
 Senior Project Manager

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
00080637

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 9/5/00
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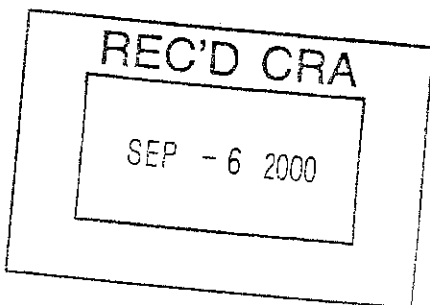
Upon receipt of your samples it was found that the sample ID's were not written on the chain of custody. Your samples were logged in per the amended chain received via fax on August 25, 2000.

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

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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.



Sonia West
West, Sonia
Senior Project Manager

9/5/00

Date



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 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID GW-14876-082300-BJE-001

Collected: 8/23/00 11:30:00 SPL Sample ID: 00080637-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 14:22	P_C	382998
1,2-Dichlorobenzene	ND	5	1		08/28/00 14:22	P_C	382998
1,3-Dichlorobenzene	ND	5	1		08/28/00 14:22	P_C	382998
1,4-Dichlorobenzene	ND	5	1		08/28/00 14:22	P_C	382998
2,4,5-Trichlorophenol	ND	10	1		08/28/00 14:22	P_C	382998
2,4,6-Trichlorophenol	ND	5	1		08/28/00 14:22	P_C	382998
2,4-Dichlorophenol	ND	5	1		08/28/00 14:22	P_C	382998
2,4-Dimethylphenol	ND	5	1		08/28/00 14:22	P_C	382998
2,4-Dinitrophenol	ND	25	1		08/28/00 14:22	P_C	382998
2,4-Dinitrotoluene	ND	5	1		08/28/00 14:22	P_C	382998
2,6-Dinitrotoluene	ND	5	1		08/28/00 14:22	P_C	382998
2-Chloronaphthalene	ND	5	1		08/28/00 14:22	P_C	382998
2-Chlorophenol	ND	5	1		08/28/00 14:22	P_C	382998
2-Methylnaphthalene	ND	5	1		08/28/00 14:22	P_C	382998
2-Nitroaniline	ND	25	1		08/28/00 14:22	P_C	382998
2-Nitrophenol	ND	5	1		08/28/00 14:22	P_C	382998
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 14:22	P_C	382998
3-Nitroaniline	ND	25	1		08/28/00 14:22	P_C	382998
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 14:22	P_C	382998
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 14:22	P_C	382998
4-Chloro-3-methylphenol	ND	5	1		08/28/00 14:22	P_C	382998
4-Chloroaniline	ND	5	1		08/28/00 14:22	P_C	382998
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 14:22	P_C	382998
4-Nitroaniline	ND	25	1		08/28/00 14:22	P_C	382998
4-Nitrophenol	ND	25	1		08/28/00 14:22	P_C	382998
Acenaphthene	ND	5	1		08/28/00 14:22	P_C	382998
Acenaphthylene	ND	5	1		08/28/00 14:22	P_C	382998
Anthracene	ND	5	1		08/28/00 14:22	P_C	382998
Benz(a)anthracene	ND	5	1		08/28/00 14:22	P_C	382998
Benzo(a)pyrene	ND	5	1		08/28/00 14:22	P_C	382998
Benzo(b)fluoranthene	ND	5	1		08/28/00 14:22	P_C	382998
Benzo(g,h,i)perylene	ND	5	1		08/28/00 14:22	P_C	382998
Benzo(k)fluoranthene	ND	5	1		08/28/00 14:22	P_C	382998
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 14:22	P_C	382998
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 14:22	P_C	382998
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 14:22	P_C	382998
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Butyl benzyl phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Carbazole	ND	5	1		08/28/00 14:22	P_C	382998

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



Client Sample ID GW-14876-082300-BJE-001 Collected: 8/23/00 11:30:00 SPL Sample ID: 00080637-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 14:22	P_C	382998
Di-n-butyl phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Di-n-octyl phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Dibenz(a,h)anthracene	ND	5	1		08/28/00 14:22	P_C	382998
Dibenzofuran	ND	5	1		08/28/00 14:22	P_C	382998
Diethyl phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Dimethyl phthalate	ND	5	1		08/28/00 14:22	P_C	382998
Fluoranthene	ND	5	1		08/28/00 14:22	P_C	382998
Fluorene	ND	5	1		08/28/00 14:22	P_C	382998
Hexachlorobenzene	ND	5	1		08/28/00 14:22	P_C	382998
Hexachlorobutadiene	ND	5	1		08/28/00 14:22	P_C	382998
Hexachlorocyclopentadiene	ND	5	1		08/28/00 14:22	P_C	382998
Hexachloroethane	ND	5	1		08/28/00 14:22	P_C	382998
Indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 14:22	P_C	382998
Isophorone	ND	5	1		08/28/00 14:22	P_C	382998
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 14:22	P_C	382998
N-Nitrosodiphenylamine	ND	5	1		08/28/00 14:22	P_C	382998
Naphthalene	ND	5	1		08/28/00 14:22	P_C	382998
Nitrobenzene	ND	5	1		08/28/00 14:22	P_C	382998
Pentachlorophenol	ND	25	1		08/28/00 14:22	P_C	382998
Phenanthrene	ND	5	1		08/28/00 14:22	P_C	382998
Phenol	ND	5	1		08/28/00 14:22	P_C	382998
Pyrene	ND	5	1		08/28/00 14:22	P_C	382998
2-Methylphenol	ND	5	1		08/28/00 14:22	P_C	382998
3 & 4-Methylphenol	ND	5	1		08/28/00 14:22	P_C	382998
Surr: 2,4,6-Tribromophenol	77.3	% 10-123	1		08/28/00 14:22	P_C	382998
Surr: 2-Fluorobiphenyl	50.0	% 43-116	1		08/28/00 14:22	P_C	382998
Surr: 2-Fluorophenol	24.0	% 21-110	1		08/28/00 14:22	P_C	382998
Surr: Nitrobenzene-d5	46.0	% 35-114	1		08/28/00 14:22	P_C	382998
Surr: Phenol-d5	14.7	% 10-110	1		08/28/00 14:22	P_C	382998
Surr: Terphenyl-d14	58.0	% 33-141	1		08/28/00 14:22	P_C	382998

Run ID/Seq #: P_000828A-382998

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



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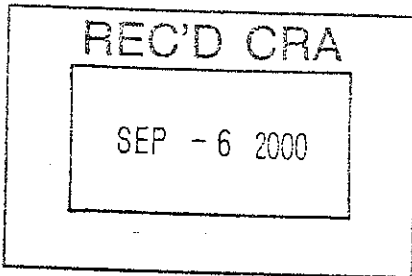
Conestoga-Rovers & Associates

Certificate of Analysis Number:

00080637

Report To: Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	Project Name: #14876, CN & Grand Trunk RR Propert Site: #14876, CN & Grand Trunk RR Propert Site Address: PO Number: State: Michigan State Cert. No.: Date Reported: 9/5/00
Fax To: Conestoga-Rovers & Associates Paul Wiseman fax: (734) 942-3080	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
N-14876-082300-BJE-001	00080637-01	Water	8/23/00 11:30:00 AM	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>
N-14876-082300-BJE-002	00080637-02	Water	8/23/00 12:45:00 PM	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>
GW-14876-082300-BJE-003	00080637-03	Water	8/23/00 1:00:00 PM	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>
GW-14876-082300-BJE-004	00080637-04	Water	8/23/00 2:00:00 PM	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>
Blank #1 8/8/00	00080637-05	Water	8/23/00	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>
Trip Blank #2 8/8/00	00080637-06	Water	8/23/00	8/24/00 10:00:00 AM	11029	<input type="checkbox"/>



Sonia West
 Sonia West
 Senior Project Manager

9/5/00
 Date

Joel Grice
 Laboratory Director
 Ted Yen
 Quality Assurance Officer



Client Sample ID GW-14876-082300-BJE-001 Collected: 8/23/00 11:30:00 SPL Sample ID: 00080637-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379973

Run ID/Seq #: HGL_000825D-379973

Prep Method	Prep Date	Prep Initials
SW7470A	08/25/2000 8:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	ND	0.005	1		08/30/00 19:27	EG	385031
Lead	ND	0.003	1		08/30/00 4:09	EG	383781
Selenium	ND	0.005	1		08/30/00 4:09	EG	383781
Barium	ND	0.2	1		08/31/00 15:32	E_B	385808
Chromium	ND	0.05	1		08/29/00 20:41	E_B	383887

Run ID/Seq #: TJAT_000829A-383781

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000829B-383887

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJAT_000830B-385031

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000831C-385808

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	ND	0.0005	1		08/30/00 0:00	SUB	385869
Silver	ND	0.0005	1		08/30/00 0:00	SUB	385869

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1221	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1232	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1242	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1248	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1254	ND	1	1		08/26/00 3:34	AR	384576
Aroclor 1260	ND	1	1		08/26/00 3:34	AR	384576
Surr: Tetrachloro-m-xylene	58.9	%	20-181	1	08/26/00 3:34	AR	384576
Surr: Decachlorobiphenyl	41.7	%	20-134	1	08/26/00 3:34	AR	384576

Run ID/Seq #: GS_W_000826A-384576

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:00	KL

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



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Client Sample ID GW-14876-082300-BJE-001

Collected: 8/23/00 11:30:00 SPL Sample ID: 00080637-01

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 16:22	CP	382392
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 16:22	CP	382392
1,1,2-Trichloroethane	ND	1	1		08/25/00 16:22	CP	382392
1,1-Dichloroethane	ND	1	1		08/25/00 16:22	CP	382392
1,1-Dichloroethene	ND	1	1		08/25/00 16:22	CP	382392
1,2-Dichloroethane	ND	1	1		08/25/00 16:22	CP	382392
1,2-Dichloropropane	ND	1	1		08/25/00 16:22	CP	382392
2-Butanone	ND	5	1		08/25/00 16:22	CP	382392
2-Hexanone	ND	5	1		08/25/00 16:22	CP	382392
4-Methyl-2-pentanone	ND	5	1		08/25/00 16:22	CP	382392
Acetone	ND	5	1		08/25/00 16:22	CP	382392
Benzene	ND	1	1		08/25/00 16:22	CP	382392
Bromodichloromethane	ND	1	1		08/25/00 16:22	CP	382392
Bromoform	ND	1	1		08/25/00 16:22	CP	382392
Bromomethane	ND	1	1		08/25/00 16:22	CP	382392
Carbon disulfide	ND	1	1		08/25/00 16:22	CP	382392
Carbon tetrachloride	ND	1	1		08/25/00 16:22	CP	382392
Chlorobenzene	ND	1	1		08/25/00 16:22	CP	382392
Chloroethane	ND	1	1		08/25/00 16:22	CP	382392
Chloroform	ND	1	1		08/25/00 16:22	CP	382392
Chloromethane	ND	1	1		08/25/00 16:22	CP	382392
cis-1,3-Dichloropropene	ND	1	1		08/25/00 16:22	CP	382392
dibromochloromethane	ND	1	1		08/25/00 16:22	CP	382392
Ethylbenzene	ND	1	1		08/25/00 16:22	CP	382392
Methylene chloride	ND	2	1		08/25/00 16:22	CP	382392
Styrene	ND	1	1		08/25/00 16:22	CP	382392
Tetrachloroethene	ND	1	1		08/25/00 16:22	CP	382392
Toluene	ND	1	1		08/25/00 16:22	CP	382392
trans-1,3-Dichloropropene	ND	1	1		08/25/00 16:22	CP	382392
Trichloroethene	ND	1	1		08/25/00 16:22	CP	382392
Vinyl chloride	ND	1	1		08/25/00 16:22	CP	382392
cis-1,2-Dichloroethene	ND	1	1		08/25/00 16:22	CP	382392
trans-1,2-Dichloroethene	2	1	1		08/25/00 16:22	CP	382392
Xylenes, Total	ND	1	1		08/25/00 16:22	CP	382392
Surr: 1,2-Dichloroethane-d4	102	% 62-119	1		08/25/00 16:22	CP	382392
Surr: 4-Bromofluorobenzene	106	% 78-123	1		08/25/00 16:22	CP	382392
Surr: Toluene-d8	100	% 74-122	1		08/25/00 16:22	CP	382392

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



Client Sample ID GW-14876-082300-BJE-002 Collected: 8/23/00 12:45:00 SPL Sample ID: 00080637-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379975

Run ID/Seq #: HGL_000825D-379975

Prep Method	Prep Date	Prep Initials
SW7470A	08/25/2000 8:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	0.00622	0.005	1		08/30/00 19:52	EG	385037
Lead	ND	0.003	1		08/30/00 4:34	EG	383791
Selenium	ND	0.005	1		08/30/00 4:34	EG	383791
Barium	ND	0.2	1		08/31/00 15:36	E_B	385810
Chromium	ND	0.05	1		08/29/00 20:45	E_B	383888

Run ID/Seq #: TJAT_000829A-383791

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000829B-383888

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJAT_000830B-385037

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000831C-385810

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	ND	0.0005	1		08/30/00 0:00	SUB	385870
Silver	ND	0.0005	1		08/30/00 0:00	SUB	385870

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1221	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1232	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1242	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1248	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1254	ND	1	1		08/26/00 3:52	AR	384577
Aroclor 1260	ND	1	1		08/26/00 3:52	AR	384577
Surr: Tetrachloro-m-xylene	60.1	% 20-181	1		08/26/00 3:52	AR	384577
Surr: Decachlorobiphenyl	38.0	% 20-134	1		08/26/00 3:52	AR	384577

Run ID/Seq #: GS_W_000826A-384577

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:00	KL

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



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID GW-14876-082300-BJE-002

Collected: 8/23/00 12:45:00 SPL Sample ID: 00080637-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C							
			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 14:51	P_C	382999
1,2-Dichlorobenzene	ND	5	1		08/28/00 14:51	P_C	382999
1,3-Dichlorobenzene	ND	5	1		08/28/00 14:51	P_C	382999
1,4-Dichlorobenzene	ND	5	1		08/28/00 14:51	P_C	382999
2,4,5-Trichlorophenol	ND	10	1		08/28/00 14:51	P_C	382999
2,4,6-Trichlorophenol	ND	5	1		08/28/00 14:51	P_C	382999
2,4-Dichlorophenol	ND	5	1		08/28/00 14:51	P_C	382999
2,4-Dimethylphenol	ND	5	1		08/28/00 14:51	P_C	382999
2,4-Dinitrophenol	ND	25	1		08/28/00 14:51	P_C	382999
2,4-Dinitrotoluene	ND	5	1		08/28/00 14:51	P_C	382999
2,6-Dinitrotoluene	ND	5	1		08/28/00 14:51	P_C	382999
2-Chloronaphthalene	ND	5	1		08/28/00 14:51	P_C	382999
2-Chlorophenol	ND	5	1		08/28/00 14:51	P_C	382999
2-Methylnaphthalene	ND	5	1		08/28/00 14:51	P_C	382999
2-Nitroaniline	ND	25	1		08/28/00 14:51	P_C	382999
2-Nitrophenol	ND	5	1		08/28/00 14:51	P_C	382999
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 14:51	P_C	382999
3-Nitroaniline	ND	25	1		08/28/00 14:51	P_C	382999
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 14:51	P_C	382999
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 14:51	P_C	382999
4-Chloro-3-methylphenol	ND	5	1		08/28/00 14:51	P_C	382999
4-Chloroaniline	ND	5	1		08/28/00 14:51	P_C	382999
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 14:51	P_C	382999
4-Nitroaniline	ND	25	1		08/28/00 14:51	P_C	382999
4-Nitrophenol	ND	25	1		08/28/00 14:51	P_C	382999
Acenaphthene	ND	5	1		08/28/00 14:51	P_C	382999
Acenaphthylene	ND	5	1		08/28/00 14:51	P_C	382999
Anthracene	ND	5	1		08/28/00 14:51	P_C	382999
Benz(a)anthracene	ND	5	1		08/28/00 14:51	P_C	382999
Benzo(a)pyrene	ND	5	1		08/28/00 14:51	P_C	382999
Benzo(b)fluoranthene	ND	5	1		08/28/00 14:51	P_C	382999
Benzo(g,h,i)perylene	ND	5	1		08/28/00 14:51	P_C	382999
Benzo(k)fluoranthene	ND	5	1		08/28/00 14:51	P_C	382999
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 14:51	P_C	382999
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 14:51	P_C	382999
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 14:51	P_C	382999
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Butyl benzyl phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Carbazole	ND	5	1		08/28/00 14:51	P_C	382999

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



Client Sample ID GW-14876-082300-BJE-002 Collected: 8/23/00 12:45:00 SPL Sample ID: 00080637-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 14:51	P_C	382999
Di-n-butyl phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Di-n-octyl phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Dibenz(a,h)anthracene	ND	5	1		08/28/00 14:51	P_C	382999
Dibenzofuran	ND	5	1		08/28/00 14:51	P_C	382999
Diethyl phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Dimethyl phthalate	ND	5	1		08/28/00 14:51	P_C	382999
Fluoranthene	ND	5	1		08/28/00 14:51	P_C	382999
Fluorene	ND	5	1		08/28/00 14:51	P_C	382999
Hexachlorobenzene	ND	5	1		08/28/00 14:51	P_C	382999
Hexachlorobutadiene	ND	5	1		08/28/00 14:51	P_C	382999
Hexachlorocyclopentadiene	ND	5	1		08/28/00 14:51	P_C	382999
Hexachloroethane	ND	5	1		08/28/00 14:51	P_C	382999
Indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 14:51	P_C	382999
Isophorone	ND	5	1		08/28/00 14:51	P_C	382999
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 14:51	P_C	382999
N-Nitrosodiphenylamine	ND	5	1		08/28/00 14:51	P_C	382999
Naphthalene	ND	5	1		08/28/00 14:51	P_C	382999
Nitrobenzene	ND	5	1		08/28/00 14:51	P_C	382999
Pentachlorophenol	ND	25	1		08/28/00 14:51	P_C	382999
Phenanthrene	ND	5	1		08/28/00 14:51	P_C	382999
Phenol	ND	5	1		08/28/00 14:51	P_C	382999
Pyrene	ND	5	1		08/28/00 14:51	P_C	382999
2-Methylphenol	ND	5	1		08/28/00 14:51	P_C	382999
3 & 4-Methylphenol	ND	5	1		08/28/00 14:51	P_C	382999
Surr: 2,4,6-Tribromophenol	94.7	% 10-123	1		08/28/00 14:51	P_C	382999
Surr: 2-Fluorobiphenyl	56.0	% 43-116	1		08/28/00 14:51	P_C	382999
Surr: 2-Fluorophenol	25.3	% 21-110	1		08/28/00 14:51	P_C	382999
Surr: Nitrobenzene-d5	50.0	% 35-114	1		08/28/00 14:51	P_C	382999
Surr: Phenol-d5	17.3	% 10-110	1		08/28/00 14:51	P_C	382999
Surr: Terphenyl-d14	56.0	% 33-141	1		08/28/00 14:51	P_C	382999

Run ID/Seq #: P_000828A-382999

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID GW-14876-082300-BJE-002

Collected: 8/23/00 12:45:00 SPL Sample ID: 00080637-02

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 15:57	CP	382391
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 15:57	CP	382391
1,1,2-Trichloroethane	ND	1	1		08/25/00 15:57	CP	382391
1,1-Dichloroethane	ND	1	1		08/25/00 15:57	CP	382391
1,1-Dichloroethene	ND	1	1		08/25/00 15:57	CP	382391
1,2-Dichloroethane	ND	1	1		08/25/00 15:57	CP	382391
1,2-Dichloropropane	ND	1	1		08/25/00 15:57	CP	382391
2-Butanone	ND	5	1		08/25/00 15:57	CP	382391
2-Hexanone	ND	5	1		08/25/00 15:57	CP	382391
4-Methyl-2-pentanone	ND	5	1		08/25/00 15:57	CP	382391
Acetone	ND	5	1		08/25/00 15:57	CP	382391
Benzene	ND	1	1		08/25/00 15:57	CP	382391
Bromodichloromethane	ND	1	1		08/25/00 15:57	CP	382391
Bromoform	ND	1	1		08/25/00 15:57	CP	382391
Bromomethane	ND	1	1		08/25/00 15:57	CP	382391
Carbon disulfide	ND	1	1		08/25/00 15:57	CP	382391
Carbon tetrachloride	ND	1	1		08/25/00 15:57	CP	382391
Chlorobenzene	ND	1	1		08/25/00 15:57	CP	382391
Chloroethane	ND	1	1		08/25/00 15:57	CP	382391
Chloroform	ND	1	1		08/25/00 15:57	CP	382391
Chloromethane	ND	1	1		08/25/00 15:57	CP	382391
cis-1,3-Dichloropropene	ND	1	1		08/25/00 15:57	CP	382391
dibromochloromethane	ND	1	1		08/25/00 15:57	CP	382391
Ethylbenzene	ND	1	1		08/25/00 15:57	CP	382391
Methylene chloride	ND	2	1		08/25/00 15:57	CP	382391
Styrene	ND	1	1		08/25/00 15:57	CP	382391
Tetrachloroethene	ND	1	1		08/25/00 15:57	CP	382391
Toluene	ND	1	1		08/25/00 15:57	CP	382391
trans-1,3-Dichloropropene	ND	1	1		08/25/00 15:57	CP	382391
Trichloroethene	ND	1	1		08/25/00 15:57	CP	382391
Vinyl chloride	63	1	1		08/25/00 15:57	CP	382391
cis-1,2-Dichloroethene	68	1	1		08/25/00 15:57	CP	382391
trans-1,2-Dichloroethene	76	1	1		08/25/00 15:57	CP	382391
Xylenes, Total	ND	1	1		08/25/00 15:57	CP	382391
Surr: 1,2-Dichloroethane-d4	104	% 62-119	1		08/25/00 15:57	CP	382391
Surr: 4-Bromofluorobenzene	104	% 78-123	1		08/25/00 15:57	CP	382391
Surr: Toluene-d8	104	% 74-122	1		08/25/00 15:57	CP	382391

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



Client Sample ID GW-14876-082300-BJE-003 Collected: 8/23/00 1:00:00 SPL Sample ID: 00080637-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379976

Run ID/Seq #: HGL_000825D-379976

Prep Method	Prep Date	Prep Initials
SW7470A	08/25/2000 8:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	ND	0.005	1		08/30/00 20:01	EG	385038
Lead	ND	0.003	1		08/30/00 4:43	EG	383794
Selenium	ND	0.005	1		08/30/00 4:43	EG	383794
Barium	ND	0.2	1		08/31/00 15:40	E_B	385812
Chromium	ND	0.05	1		08/29/00 20:49	E_B	383889

Run ID/Seq #: TJAT_000829A-383794

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000829B-383889

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJAT_000830B-385038

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000831C-385812

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	ND	0.0005	1		08/30/00 0:00	SUB	385871
Silver	ND	0.0005	1		08/30/00 0:00	SUB	385871

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1221	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1232	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1242	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1248	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1254	ND	1	1		08/26/00 4:10	AR	384578
Aroclor 1260	ND	1	1		08/26/00 4:10	AR	384578
Surr: Tetrachloro-m-xylene	51.9	% 20-181	1		08/26/00 4:10	AR	384578
Surr: Decachlorobiphenyl	34.6	% 20-134	1		08/26/00 4:10	AR	384578

Run ID/Seq #: GS_W_000826A-384578

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:00	KL

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



Client Sample ID GW-14876-082300-BJE-003

Collected: 8/23/00 1:00:00

SPL Sample ID: 00080637-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 16:19	P_C	383002
1,2-Dichlorobenzene	ND	5	1		08/28/00 16:19	P_C	383002
1,3-Dichlorobenzene	ND	5	1		08/28/00 16:19	P_C	383002
1,4-Dichlorobenzene	ND	5	1		08/28/00 16:19	P_C	383002
2,4,5-Trichlorophenol	ND	10	1		08/28/00 16:19	P_C	383002
2,4,6-Trichlorophenol	ND	5	1		08/28/00 16:19	P_C	383002
2,4-Dichlorophenol	ND	5	1		08/28/00 16:19	P_C	383002
2,4-Dimethylphenol	ND	5	1		08/28/00 16:19	P_C	383002
2,4-Dinitrophenol	ND	25	1		08/28/00 16:19	P_C	383002
2,4-Dinitrotoluene	ND	5	1		08/28/00 16:19	P_C	383002
2,6-Dinitrotoluene	ND	5	1		08/28/00 16:19	P_C	383002
2-Chloronaphthalene	ND	5	1		08/28/00 16:19	P_C	383002
2-Chlorophenol	ND	5	1		08/28/00 16:19	P_C	383002
2-Methylnaphthalene	ND	5	1		08/28/00 16:19	P_C	383002
2-Nitroaniline	ND	25	1		08/28/00 16:19	P_C	383002
2-Nitrophenol	ND	5	1		08/28/00 16:19	P_C	383002
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 16:19	P_C	383002
3-Nitroaniline	ND	25	1		08/28/00 16:19	P_C	383002
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 16:19	P_C	383002
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 16:19	P_C	383002
4-Chloro-3-methylphenol	ND	5	1		08/28/00 16:19	P_C	383002
4-Chloroaniline	ND	5	1		08/28/00 16:19	P_C	383002
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 16:19	P_C	383002
4-Nitroaniline	ND	25	1		08/28/00 16:19	P_C	383002
4-Nitrophenol	ND	25	1		08/28/00 16:19	P_C	383002
Acenaphthene	ND	5	1		08/28/00 16:19	P_C	383002
Acenaphthylene	ND	5	1		08/28/00 16:19	P_C	383002
Anthracene	ND	5	1		08/28/00 16:19	P_C	383002
Benz(a)anthracene	ND	5	1		08/28/00 16:19	P_C	383002
Benzo(a)pyrene	ND	5	1		08/28/00 16:19	P_C	383002
Benzo(b)fluoranthene	ND	5	1		08/28/00 16:19	P_C	383002
Benzo(g,h,i)perylene	ND	5	1		08/28/00 16:19	P_C	383002
Benzo(k)fluoranthene	ND	5	1		08/28/00 16:19	P_C	383002
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 16:19	P_C	383002
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 16:19	P_C	383002
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 16:19	P_C	383002
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Butyl benzyl phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Carbazole	ND	5	1		08/28/00 16:19	P_C	383002

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



Client Sample ID GW-14876-082300-BJE-003 Collected: 8/23/00 1:00:00 SPL Sample ID: 00080637-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 16:19	P_C	383002
Di-n-butyl phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Di-n-octyl phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Dibenz(a,h)anthracene	ND	5	1		08/28/00 16:19	P_C	383002
Dibenzofuran	ND	5	1		08/28/00 16:19	P_C	383002
Diethyl phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Dimethyl phthalate	ND	5	1		08/28/00 16:19	P_C	383002
Fluoranthene	ND	5	1		08/28/00 16:19	P_C	383002
Fluorene	ND	5	1		08/28/00 16:19	P_C	383002
Hexachlorobenzene	ND	5	1		08/28/00 16:19	P_C	383002
Hexachlorobutadiene	ND	5	1		08/28/00 16:19	P_C	383002
Hexachlorocyclopentadiene	ND	5	1		08/28/00 16:19	P_C	383002
Hexachloroethane	ND	5	1		08/28/00 16:19	P_C	383002
Indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 16:19	P_C	383002
Isophorone	ND	5	1		08/28/00 16:19	P_C	383002
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 16:19	P_C	383002
N-Nitrosodiphenylamine	ND	5	1		08/28/00 16:19	P_C	383002
Naphthalene	ND	5	1		08/28/00 16:19	P_C	383002
Nitrobenzene	ND	5	1		08/28/00 16:19	P_C	383002
Pentachlorophenol	ND	25	1		08/28/00 16:19	P_C	383002
Phenanthrene	ND	5	1		08/28/00 16:19	P_C	383002
Phenol	ND	5	1		08/28/00 16:19	P_C	383002
Pyrene	ND	5	1		08/28/00 16:19	P_C	383002
2-Methylphenol	ND	5	1		08/28/00 16:19	P_C	383002
3 & 4-Methylphenol	ND	5	1		08/28/00 16:19	P_C	383002
Surr: 2,4,6-Tribromophenol	89.3	% 10-123	1		08/28/00 16:19	P_C	383002
Surr: 2-Fluorobiphenyl	68.0	% 43-116	1		08/28/00 16:19	P_C	383002
Surr: 2-Fluorophenol	33.3	% 21-110	1		08/28/00 16:19	P_C	383002
Surr: Nitrobenzene-d5	68.0	% 35-114	1		08/28/00 16:19	P_C	383002
Surr: Phenol-d5	20.0	% 10-110	1		08/28/00 16:19	P_C	383002
Surr: Terphenyl-d14	56.0	% 33-141	1		08/28/00 16:19	P_C	383002

Run ID/Seq #: P_000828A-383002

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



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Client Sample ID GW-14876-082300-BJE-003 Collected: 8/23/00 1:00:00 SPL Sample ID: 00080637-03

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 15:33	CP	382390
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 15:33	CP	382390
1,1,2-Trichloroethane	ND	1	1		08/25/00 15:33	CP	382390
1,1-Dichloroethane	ND	1	1		08/25/00 15:33	CP	382390
1,1-Dichloroethene	ND	1	1		08/25/00 15:33	CP	382390
1,2-Dichloroethane	ND	1	1		08/25/00 15:33	CP	382390
1,2-Dichloropropane	ND	1	1		08/25/00 15:33	CP	382390
2-Butanone	ND	5	1		08/25/00 15:33	CP	382390
2-Hexanone	ND	5	1		08/25/00 15:33	CP	382390
4-Methyl-2-pentanone	ND	5	1		08/25/00 15:33	CP	382390
Acetone	ND	5	1		08/25/00 15:33	CP	382390
Benzene	ND	1	1		08/25/00 15:33	CP	382390
Bromodichloromethane	ND	1	1		08/25/00 15:33	CP	382390
Bromoform	ND	1	1		08/25/00 15:33	CP	382390
Bromomethane	ND	1	1		08/25/00 15:33	CP	382390
Carbon disulfide	ND	1	1		08/25/00 15:33	CP	382390
Carbon tetrachloride	ND	1	1		08/25/00 15:33	CP	382390
Chlorobenzene	ND	1	1		08/25/00 15:33	CP	382390
Chloroethane	ND	1	1		08/25/00 15:33	CP	382390
Chloroform	ND	1	1		08/25/00 15:33	CP	382390
Chloromethane	ND	1	1		08/25/00 15:33	CP	382390
cis-1,3-Dichloropropene	ND	1	1		08/25/00 15:33	CP	382390
dibromochloromethane	ND	1	1		08/25/00 15:33	CP	382390
Ethylbenzene	ND	1	1		08/25/00 15:33	CP	382390
Methylene chloride	ND	2	1		08/25/00 15:33	CP	382390
Styrene	ND	1	1		08/25/00 15:33	CP	382390
Tetrachloroethene	ND	1	1		08/25/00 15:33	CP	382390
Toluene	ND	1	1		08/25/00 15:33	CP	382390
trans-1,3-Dichloropropene	ND	1	1		08/25/00 15:33	CP	382390
Trichloroethene	ND	1	1		08/25/00 15:33	CP	382390
Vinyl chloride	61	1	1		08/25/00 15:33	CP	382390
cis-1,2-Dichloroethene	68	1	1		08/25/00 15:33	CP	382390
trans-1,2-Dichloroethene	73	1	1		08/25/00 15:33	CP	382390
Xylenes, Total	ND	1	1		08/25/00 15:33	CP	382390
Surr: 1,2-Dichloroethane-d4	96.0	% 62-119	1		08/25/00 15:33	CP	382390
Surr: 4-Bromofluorobenzene	104	% 78-123	1		08/25/00 15:33	CP	382390
Surr: Toluene-d8	100	% 74-122	1		08/25/00 15:33	CP	382390

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



Client Sample ID GW-14876-082300-BJE-004 Collected: 8/23/00 2:00:00 SPL Sample ID: 00080637-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		08/25/00 12:20	PB	379978

Run ID/Seq #: HGL_000825D-379978

Prep Method	Prep Date	Prep Initials
SW7470A	08/25/2000 8:45	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW6010B	Units: mg/L		
Arsenic	ND	0.005	1		08/30/00 20:10	EG	385039
Lead	ND	0.003	1		08/30/00 4:52	EG	383797
Selenium	ND	0.005	1		08/30/00 4:52	EG	383797
Barium	ND	0.2	1		08/31/00 15:44	E_B	385815
Chromium	ND	0.05	1		08/29/00 20:53	E_B	383890

Run ID/Seq #: TJAT_000829A-383797

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJA_000829B-383890

Prep Method	Prep Date	Prep Initials
SW3010A	08/25/2000 9:00	MR

Run ID/Seq #: TJAT_000830B-385039

Prep Method	Prep Date	Prep Initials
SW3010A	08/30/2000 9:30	MR

Run ID/Seq #: TJA_000831C-385815

Prep Method	Prep Date	Prep Initials
SW3010A	08/30/2000 9:30	MR

METALS BY METHOD 6020, TOTAL			MCL	SW6020	Units: mg/L		
Cadmium	ND	0.0005	1		08/30/00 0:00	SUB	385872
Silver	ND	0.0005	1		08/30/00 0:00	SUB	385872

POLYCHLORINATED BIPHENYLS BY METHOD 8082			MCL	SW8082	Units: ug/L		
Aroclor 1016	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1221	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1232	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1242	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1248	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1254	ND	1	1		08/26/00 4:28	AR	384579
Aroclor 1260	ND	1	1		08/26/00 4:28	AR	384579
Surr: Tetrachloro-m-xylene	56.3	% 20-181	1		08/26/00 4:28	AR	384579
Surr: Decachlorobiphenyl	26.5	% 20-134	1		08/26/00 4:28	AR	384579

Run ID/Seq #: GS_W_000826A-384579

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:00	KL

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



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Client Sample ID GW-14876-082300-BJE-004

Collected: 8/23/00 2:00:00

SPL Sample ID: 00080637-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C	Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		08/28/00 16:49	P_C	383003
1,2-Dichlorobenzene	ND	5	1		08/28/00 16:49	P_C	383003
1,3-Dichlorobenzene	ND	5	1		08/28/00 16:49	P_C	383003
1,4-Dichlorobenzene	ND	5	1		08/28/00 16:49	P_C	383003
2,4,5-Trichlorophenol	ND	10	1		08/28/00 16:49	P_C	383003
2,4,6-Trichlorophenol	ND	5	1		08/28/00 16:49	P_C	383003
2,4-Dichlorophenol	ND	5	1		08/28/00 16:49	P_C	383003
2,4-Dimethylphenol	ND	5	1		08/28/00 16:49	P_C	383003
2,4-Dinitrophenol	ND	25	1		08/28/00 16:49	P_C	383003
2,4-Dinitrotoluene	ND	5	1		08/28/00 16:49	P_C	383003
2,6-Dinitrotoluene	ND	5	1		08/28/00 16:49	P_C	383003
2-Chloronaphthalene	ND	5	1		08/28/00 16:49	P_C	383003
2-Chlorophenol	ND	5	1		08/28/00 16:49	P_C	383003
2-Methylnaphthalene	ND	5	1		08/28/00 16:49	P_C	383003
2-Nitroaniline	ND	25	1		08/28/00 16:49	P_C	383003
2-Nitrophenol	ND	5	1		08/28/00 16:49	P_C	383003
3,3'-Dichlorobenzidine	ND	10	1		08/28/00 16:49	P_C	383003
3-Nitroaniline	ND	25	1		08/28/00 16:49	P_C	383003
4,6-Dinitro-2-methylphenol	ND	25	1		08/28/00 16:49	P_C	383003
4-Bromophenyl phenyl ether	ND	5	1		08/28/00 16:49	P_C	383003
4-Chloro-3-methylphenol	ND	5	1		08/28/00 16:49	P_C	383003
4-Chloroaniline	ND	5	1		08/28/00 16:49	P_C	383003
4-Chlorophenyl phenyl ether	ND	5	1		08/28/00 16:49	P_C	383003
4-Nitroaniline	ND	25	1		08/28/00 16:49	P_C	383003
4-Nitrophenol	ND	25	1		08/28/00 16:49	P_C	383003
Acenaphthene	ND	5	1		08/28/00 16:49	P_C	383003
Acenaphthylene	ND	5	1		08/28/00 16:49	P_C	383003
Anthracene	ND	5	1		08/28/00 16:49	P_C	383003
Benz(a)anthracene	ND	5	1		08/28/00 16:49	P_C	383003
Benzo(a)pyrene	ND	5	1		08/28/00 16:49	P_C	383003
Benzo(b)fluoranthene	ND	5	1		08/28/00 16:49	P_C	383003
Benzo(g,h,i)perylene	ND	5	1		08/28/00 16:49	P_C	383003
Benzo(k)fluoranthene	ND	5	1		08/28/00 16:49	P_C	383003
Bis(2-chloroethoxy)methane	ND	5	1		08/28/00 16:49	P_C	383003
Bis(2-chloroethyl)ether	ND	5	1		08/28/00 16:49	P_C	383003
Bis(2-chloroisopropyl)ether	ND	5	1		08/28/00 16:49	P_C	383003
Bis(2-ethylhexyl)phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Butyl benzyl phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Carbazole	ND	5	1		08/28/00 16:49	P_C	383003

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



Client Sample ID GW-14876-082300-BJE-004 Collected: 8/23/00 2:00:00 SPL Sample ID: 00080637-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Chrysene	ND	5	1		08/28/00 16:49	P_C	383003
Di-n-butyl phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Di-n-octyl phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Dibenz(a,h)anthracene	ND	5	1		08/28/00 16:49	P_C	383003
Dibenzofuran	ND	5	1		08/28/00 16:49	P_C	383003
Diethyl phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Dimethyl phthalate	ND	5	1		08/28/00 16:49	P_C	383003
Fluoranthene	ND	5	1		08/28/00 16:49	P_C	383003
Fluorene	ND	5	1		08/28/00 16:49	P_C	383003
Hexachlorobenzene	ND	5	1		08/28/00 16:49	P_C	383003
Hexachlorobutadiene	ND	5	1		08/28/00 16:49	P_C	383003
Hexachlorocyclopentadiene	ND	5	1		08/28/00 16:49	P_C	383003
Hexachloroethane	ND	5	1		08/28/00 16:49	P_C	383003
indeno(1,2,3-cd)pyrene	ND	5	1		08/28/00 16:49	P_C	383003
Isophorone	ND	5	1		08/28/00 16:49	P_C	383003
N-Nitrosodi-n-propylamine	ND	5	1		08/28/00 16:49	P_C	383003
N-Nitrosodiphenylamine	ND	5	1		08/28/00 16:49	P_C	383003
Naphthalene	ND	5	1		08/28/00 16:49	P_C	383003
Nitrobenzene	ND	5	1		08/28/00 16:49	P_C	383003
Pentachlorophenol	ND	25	1		08/28/00 16:49	P_C	383003
Phenanthrene	ND	5	1		08/28/00 16:49	P_C	383003
Phenol	ND	5	1		08/28/00 16:49	P_C	383003
Pyrene	ND	5	1		08/28/00 16:49	P_C	383003
2-Methylphenol	ND	5	1		08/28/00 16:49	P_C	383003
3 & 4-Methylphenol	ND	5	1		08/28/00 16:49	P_C	383003
Surr: 2,4,6-Tribromophenol	105	% 10-123	1		08/28/00 16:49	P_C	383003
Surr: 2-Fluorobiphenyl	72.0	% 43-116	1		08/28/00 16:49	P_C	383003
Surr: 2-Fluorophenol	37.3	% 21-110	1		08/28/00 16:49	P_C	383003
Surr: Nitrobenzene-d5	76.0	% 35-114	1		08/28/00 16:49	P_C	383003
Surr: Phenol-d5	22.7	% 10-110	1		08/28/00 16:49	P_C	383003
Surr: Terphenyl-d14	64.0	% 33-141	1		08/28/00 16:49	P_C	383003

Run ID/Seq #: P_000828A-383003

Prep Method	Prep Date	Prep Initials
SW3510B	08/25/2000 10:10	KL

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



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Client Sample ID GW-14876-082300-BJE-004 Collected: 8/23/00 2:00:00 SPL Sample ID: 00080637-04

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 15:08	CP	382389
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 15:08	CP	382389
1,1,2-Trichloroethane	ND	1	1		08/25/00 15:08	CP	382389
1,1-Dichloroethane	ND	1	1		08/25/00 15:08	CP	382389
1,1-Dichloroethene	ND	1	1		08/25/00 15:08	CP	382389
1,2-Dichloroethane	ND	1	1		08/25/00 15:08	CP	382389
1,2-Dichloropropane	ND	1	1		08/25/00 15:08	CP	382389
2-Butanone	ND	5	1		08/25/00 15:08	CP	382389
2-Hexanone	ND	5	1		08/25/00 15:08	CP	382389
4-Methyl-2-pentanone	ND	5	1		08/25/00 15:08	CP	382389
Acetone	ND	5	1		08/25/00 15:08	CP	382389
Benzene	ND	1	1		08/25/00 15:08	CP	382389
Bromodichloromethane	ND	1	1		08/25/00 15:08	CP	382389
Bromoform	ND	1	1		08/25/00 15:08	CP	382389
Bromomethane	ND	1	1		08/25/00 15:08	CP	382389
Carbon disulfide	ND	1	1		08/25/00 15:08	CP	382389
Carbon tetrachloride	ND	1	1		08/25/00 15:08	CP	382389
Chlorobenzene	ND	1	1		08/25/00 15:08	CP	382389
Chloroethane	ND	1	1		08/25/00 15:08	CP	382389
Chloroform	ND	1	1		08/25/00 15:08	CP	382389
Chloromethane	ND	1	1		08/25/00 15:08	CP	382389
cis-1,3-Dichloropropene	ND	1	1		08/25/00 15:08	CP	382389
dibromochloromethane	ND	1	1		08/25/00 15:08	CP	382389
Ethylbenzene	ND	1	1		08/25/00 15:08	CP	382389
Methylene chloride	ND	2	1		08/25/00 15:08	CP	382389
Styrene	ND	1	1		08/25/00 15:08	CP	382389
Tetrachloroethene	ND	1	1		08/25/00 15:08	CP	382389
Toluene	ND	1	1		08/25/00 15:08	CP	382389
trans-1,3-Dichloropropene	ND	1	1		08/25/00 15:08	CP	382389
Trichloroethene	ND	1	1		08/25/00 15:08	CP	382389
Vinyl chloride	ND	1	1		08/25/00 15:08	CP	382389
cis-1,2-Dichloroethene	ND	1	1		08/25/00 15:08	CP	382389
trans-1,2-Dichloroethene	ND	1	1		08/25/00 15:08	CP	382389
Xylenes, Total	ND	1	1		08/25/00 15:08	CP	382389
Surr: 1,2-Dichloroethane-d4	92.0	% 62-119	1		08/25/00 15:08	CP	382389
Surr: 4-Bromofluorobenzene	104	% 78-123	1		08/25/00 15:08	CP	382389
Surr: Toluene-d8	100	% 74-122	1		08/25/00 15:08	CP	382389

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



Client Sample ID Trip Blank #1 8/8/00

Collected: 8/23/00

SPL Sample ID: 00080637-05

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 14:44	CP	382388
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 14:44	CP	382388
1,1,2-Trichloroethane	ND	1	1		08/25/00 14:44	CP	382388
1,1-Dichloroethane	ND	1	1		08/25/00 14:44	CP	382388
1,1-Dichloroethene	ND	1	1		08/25/00 14:44	CP	382388
1,2-Dichloroethane	ND	1	1		08/25/00 14:44	CP	382388
1,2-Dichloropropane	ND	1	1		08/25/00 14:44	CP	382388
2-Butanone	ND	5	1		08/25/00 14:44	CP	382388
2-Hexanone	ND	5	1		08/25/00 14:44	CP	382388
4-Methyl-2-pentanone	ND	5	1		08/25/00 14:44	CP	382388
Acetone	ND	5	1		08/25/00 14:44	CP	382388
Benzene	ND	1	1		08/25/00 14:44	CP	382388
Bromodichloromethane	ND	1	1		08/25/00 14:44	CP	382388
Bromoform	ND	1	1		08/25/00 14:44	CP	382388
Bromomethane	ND	1	1		08/25/00 14:44	CP	382388
Carbon disulfide	ND	1	1		08/25/00 14:44	CP	382388
Carbon tetrachloride	ND	1	1		08/25/00 14:44	CP	382388
Chlorobenzene	ND	1	1		08/25/00 14:44	CP	382388
Chloroethane	ND	1	1		08/25/00 14:44	CP	382388
Chloroform	ND	1	1		08/25/00 14:44	CP	382388
Chloromethane	ND	1	1		08/25/00 14:44	CP	382388
cis-1,3-Dichloropropene	ND	1	1		08/25/00 14:44	CP	382388
dibromochloromethane	ND	1	1		08/25/00 14:44	CP	382388
Ethylbenzene	ND	1	1		08/25/00 14:44	CP	382388
Methylene chloride	ND	2	1		08/25/00 14:44	CP	382388
Styrene	ND	1	1		08/25/00 14:44	CP	382388
Tetrachloroethene	ND	1	1		08/25/00 14:44	CP	382388
Toluene	ND	1	1		08/25/00 14:44	CP	382388
trans-1,3-Dichloropropene	ND	1	1		08/25/00 14:44	CP	382388
Trichloroethene	ND	1	1		08/25/00 14:44	CP	382388
Vinyl chloride	ND	1	1		08/25/00 14:44	CP	382388
cis-1,2-Dichloroethene	ND	1	1		08/25/00 14:44	CP	382388
trans-1,2-Dichloroethene	ND	1	1		08/25/00 14:44	CP	382388
Xylenes, Total	ND	1	1		08/25/00 14:44	CP	382388
Surr: 1,2-Dichloroethane-d4	96.0	% 62-119	1		08/25/00 14:44	CP	382388
Surr: 4-Bromofluorobenzene	102	% 78-123	1		08/25/00 14:44	CP	382388
Surr: Toluene-d8	102	% 74-122	1		08/25/00 14:44	CP	382388

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



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Client Sample ID Trip Blank #2 8/8/00

Collected: 8/23/00

SPL Sample ID: 00080637-06

Site: #14876, CN & Grand Trunk RR Property

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B	Units: ug/L		
1,1,1-Trichloroethane	ND	1	1		08/25/00 14:19	CP	382386
1,1,2,2-Tetrachloroethane	ND	1	1		08/25/00 14:19	CP	382386
1,1,2-Trichloroethane	ND	1	1		08/25/00 14:19	CP	382386
1,1-Dichloroethane	ND	1	1		08/25/00 14:19	CP	382386
1,1-Dichloroethene	ND	1	1		08/25/00 14:19	CP	382386
1,2-Dichloroethane	ND	1	1		08/25/00 14:19	CP	382386
1,2-Dichloropropane	ND	1	1		08/25/00 14:19	CP	382386
2-Butanone	ND	5	1		08/25/00 14:19	CP	382386
2-Hexanone	ND	5	1		08/25/00 14:19	CP	382386
4-Methyl-2-pentanone	ND	5	1		08/25/00 14:19	CP	382386
Acetone	7	5	1		08/25/00 14:19	CP	382386
Benzene	ND	1	1		08/25/00 14:19	CP	382386
Bromodichloromethane	ND	1	1		08/25/00 14:19	CP	382386
Bromoform	ND	1	1		08/25/00 14:19	CP	382386
Bromomethane	ND	1	1		08/25/00 14:19	CP	382386
Carbon disulfide	ND	1	1		08/25/00 14:19	CP	382386
Carbon tetrachloride	ND	1	1		08/25/00 14:19	CP	382386
Chlorobenzene	ND	1	1		08/25/00 14:19	CP	382386
Chloroethane	ND	1	1		08/25/00 14:19	CP	382386
Chloroform	ND	1	1		08/25/00 14:19	CP	382386
Chloromethane	ND	1	1		08/25/00 14:19	CP	382386
cis-1,3-Dichloropropene	ND	1	1		08/25/00 14:19	CP	382386
dibromochloromethane	ND	1	1		08/25/00 14:19	CP	382386
Ethylbenzene	ND	1	1		08/25/00 14:19	CP	382386
Methylene chloride	ND	2	1		08/25/00 14:19	CP	382386
Styrene	ND	1	1		08/25/00 14:19	CP	382386
Tetrachloroethene	ND	1	1		08/25/00 14:19	CP	382386
Toluene	ND	1	1		08/25/00 14:19	CP	382386
trans-1,3-Dichloropropene	ND	1	1		08/25/00 14:19	CP	382386
Trichloroethene	ND	1	1		08/25/00 14:19	CP	382386
Vinyl chloride	ND	1	1		08/25/00 14:19	CP	382386
cis-1,2-Dichloroethene	ND	1	1		08/25/00 14:19	CP	382386
trans-1,2-Dichloroethene	ND	1	1		08/25/00 14:19	CP	382386
Xylenes, Total	ND	1	1		08/25/00 14:19	CP	382386
Surr: 1,2-Dichloroethane-d4	92.0	% 62-119	1		08/25/00 14:19	CP	382386
Surr: 4-Bromofluorobenzene	106	% 78-123	1		08/25/00 14:19	CP	382386
Surr: Toluene-d8	104	% 74-122	1		08/25/00 14:19	CP	382386

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



HOUSTON LABORATORY
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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Polychlorinated Biphenyls by Method 8082
 Method: SW8082

WorkOrder: 00080637
 Lab Batch ID: 6831

Method Blank

Samples in Analytical Batch:

RunID: GS_W_000826A-384574 Units: ug/L
 Analysis Date: 08/26/2000 2:58 Analyst: AR
 Preparation Date: 08/25/2000 10:00 Prep By: KL Method SW3510B

Lab Sample ID	Client Sample ID
00080637-01C	GW-14876-082300-BJE-001
00080637-02C	GW-14876-082300-BJE-002
00080637-03C	GW-14876-082300-BJE-003
00080637-04C	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Aroclor 1016	ND	1.0
Aroclor 1221	ND	1.0
Aroclor 1232	ND	1.0
Aroclor 1242	ND	1.0
Aroclor 1248	ND	1.0
Aroclor 1254	ND	1.0
Aroclor 1260	ND	1.0
Surr: Decachlorobiphenyl	102.0	20-134
Surr: Tetrachloro-m-xylene	63.0	20-181

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-08
 RunID: GS_W_000826A-384581 Units: ug/L
 Analysis Date: 08/26/2000 5:04 Analyst: AR
 Preparation Date: 08/25/2000 10:00 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	10	6.5	64.6	10	6.8	67.5	4.46	30	55	126
Aroclor 1260	ND	10	6.6	66.2	10	6.8	68.1	2.83	30	30	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Mercury, Total
 Method: SW7470A

WorkOrder: 00080637
 Lab Batch ID: 6839

Method Blank

Samples in Analytical Batch:

RunID: HGL_000825D-379957 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: HGL_000825D-379959 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.002	0.002	100	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: HGL_000825D-379963 Units: mg/L
 Analysis Date: 08/25/2000 12:20 Analyst: PB
 Preparation Date: 08/25/2000 8:45 Prep By: PB Method SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.002	0.00192	95.9	0.002	0.0019	95.2	0.733	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates

#14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080637
 Lab Batch ID: 6851

Method Blank

Samples in Analytical Batch:

RunID: TJA_000829B-383873 Units: mg/L
 Analysis Date: 08/29/2000 19:52 Analyst: E_B
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Chromium	ND	0.05

Laboratory Control Sample (LCS)

RunID: TJA_000829B-383874 Units: mg/L
 Analysis Date: 08/29/2000 19:57 Analyst: E_B
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chromium	2	2	100	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: TJA_000829B-383876 Units: mg/L
 Analysis Date: 08/29/2000 20:05 Analyst: E_B
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chromium	ND	1	0.994	99.4	1	0.987	98.7	0.683	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080637
 Lab Batch ID: 6851-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000829A-383757 Units: mg/L
 Analysis Date: 08/30/2000 2:49 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Lead	ND	0.003
Selenium	ND	0.005

Laboratory Control Sample (LCS)

RunID: TJAT_000829A-383759 Units: mg/L
 Analysis Date: 08/30/2000 2:56 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	2	2.02	101	80	120
Selenium	4	3.73	93	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: TJAT_000829A-383764 Units: mg/L
 Analysis Date: 08/30/2000 3:14 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	ND	1	1.01	101	1	0.995	99.3	1.99	20	75	125
Selenium	ND	2	1.87	93.3	2	1.84	91.8	1.60	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080637
 Lab Batch ID: 6851B-T

Method Blank

Samples in Analytical Batch:

RunID: TJAT_000830B-385017 Units: mg/L
 Analysis Date: 08/30/2000 18:09 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Arsenic	ND	0.005

Laboratory Control Sample (LCS)

RunID: TJAT_000830B-385019 Units: mg/L
 Analysis Date: 08/30/2000 18:16 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	4	3.96	99	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080625-09
 RunID: TJAT_000830B-385021 Units: mg/L
 Analysis Date: 08/30/2000 18:34 Analyst: EG
 Preparation Date: 08/25/2000 9:00 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	2	1.99	99.6	2	1.97	98.4	1.25	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6010B, Total
 Method: SW6010B

WorkOrder: 00080637
 Lab Batch ID: 6936B

Method Blank

Samples in Analytical Batch:

RunID: TJA_000831C-385769 Units: mg/L
 Analysis Date: 08/31/2000 11:31 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Barium	ND	0.2

Laboratory Control Sample (LCS)

RunID: TJA_000831C-385770 Units: mg/L
 Analysis Date: 08/31/2000 11:35 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	2	1.84	92	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080665-01
 RunID: TJA_000831C-385773 Units: mg/L
 Analysis Date: 08/31/2000 11:43 Analyst: E_B
 Preparation Date: 08/30/2000 9:30 Prep By: MR Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	0.022	1	0.965	94.4	1	0.943	92.2	2.34	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080637
Lab Batch ID: 6804

Method Blank

Samples in Analytical Batch:

RunID: P_000828A-382993 Units: ug/L
Analysis Date: 08/28/2000 10:58 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Lab Sample ID	Client Sample ID
00080637-01B	GW-14876-082300-BJE-001
00080637-02B	GW-14876-082300-BJE-002
00080637-03B	GW-14876-082300-BJE-003
00080637-04B	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	5.0
2,4-Dichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0
2,4-Dinitrophenol	ND	25
2,4-Dinitrotoluene	ND	5.0
2,6-Dinitrotoluene	ND	5.0
2-Chloronaphthalene	ND	5.0
2-Chlorophenol	ND	5.0
2-Methylnaphthalene	ND	5.0
2-Nitroaniline	ND	25
2-Nitrophenol	ND	5.0
3,3'-Dichlorobenzidine	ND	10
3-Nitroaniline	ND	25
4,6-Dinitro-2-methylphenol	ND	25
4-Bromophenyl phenyl ether	ND	5.0
4-Chloro-3-methylphenol	ND	5.0
4-Chloroaniline	ND	5.0
4-Chlorophenyl phenyl ether	ND	5.0
4-Nitroaniline	ND	25
4-Nitrophenol	ND	25
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benzo(a)anthracene	ND	5.0
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Bis(2-chloroethoxy)methane	ND	5.0
Bis(2-chloroethyl)ether	ND	5.0
Bis(2-chloroisopropyl)ether	ND	5.0
Bis(2-ethylhexyl)phthalate	ND	5.0
Butyl benzyl phthalate	ND	5.0
Carbazole	ND	5.0
Chrysene	ND	5.0
Di-n-butyl phthalate	ND	5.0
Di-n-octyl phthalate	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Dibenzofuran	ND	5.0
Diethyl phthalate	ND	5.0
Dimethyl phthalate	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Hexachlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachlorocyclopentadiene	ND	5.0

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution
MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
#14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 00080637
Lab Batch ID: 6804

Method Blank

RunID: P_000828A-382993 Units: ug/L
Analysis Date: 08/28/2000 10:58 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Result	Rep Limit
Hexachloroethane	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Isophorone	ND	5.0
N-Nitrosodi-n-propylamine	ND	5.0
N-Nitrosodiphenylamine	ND	5.0
Naphthalene	ND	5.0
Nitrobenzene	ND	5.0
Pentachlorophenol	ND	25
Phenanthrene	ND	5.0
Phenol	ND	5.0
Pyrene	ND	5.0
2-Methylphenol	ND	5.0
3 & 4-Methylphenol	ND	5.0
Surr: 2,4,6-Tribromophenol	88.0	10-123
Surr: 2-Fluorobiphenyl	80.0	43-116
Surr: 2-Fluorophenol	74.7	21-110
Surr: Nitrobenzene-d5	86.0	35-114
Surr: Phenol-d5	61.3	10-110
Surr: Terphenyl-d14	84.0	33-141

Laboratory Control Sample (LCS)

RunID: P_000828A-382994 Units: ug/L
Analysis Date: 08/28/2000 11:27 Analyst: P_C
Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	50	45	90	39	110
1,4-Dichlorobenzene	50	44	88	36	110
2,4-Dinitrotoluene	50	41	82	50	150
2-Chlorophenol	75	71	95	27	123
4-Chloro-3-methylphenol	75	82	109	23	110
4-Nitrophenol	75	42	56	25	150
Acenaphthene	50	51	102	46	125
N-Nitrosodi-n-propylamine	50	45	90	41	116
Pentachlorophenol	75	87	116	9	125
Phenol	75	52	69	12	110
Pyrene	50	58	116	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL MI - Matrix Interference



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Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Semivolatile Organics by Method 8270C
 Method: SW8270C

WorkOrder: 00080637
 Lab Batch ID: 6804

Sample Spiked: 00080624-05
 RunID: P_000828A-382997 Units: ug/L
 Analysis Date: 08/28/2000 13:24 Analyst: P_C
 Preparation Date: 08/25/2000 10:10 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	50	27	54	50	27	54	0	28	39	110
1,4-Dichlorobenzene	ND	50	27	54	50	27	54	0	28	36	110
1-Dinitrotoluene	ND	50	29	58	50	30	60	3	50	50	150
2-Chlorophenol	ND	75	42	56	75	43	57	2	40	27	123
2-Chloro-3-methylphenol	ND	75	68	91	75	71	95	4	42	23	110
4-Nitrophenol	ND	75	29	39	75	31	41	7	50	25	150
Acenaphthene	140	50	130	-20*	50	130	-20*	0	31	46	125
N-Nitrosodi-n-propylamine	ND	50	29	58	50	29	58	0	38	41	116
2,4-Dinitrochlorophenol	ND	75	66	88	75	67	89	2	50	9	125
2,4-Dinitrophenol	ND	75	24	32	75	25	33	4	42	12	110
Pyrene	27	50	51	48	50	50	46	4	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL M! - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080637
 Lab Batch ID: R19702

Method Blank

RunID: Q_000825B-382370 Units: ug/L
 Analysis Date: 08/25/2000 10:28 Analyst: CP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00080637-01A	GW-14876-082300-BJE-001
00080637-02A	GW-14876-082300-BJE-002
00080637-03A	GW-14876-082300-BJE-003
00080637-04A	GW-14876-082300-BJE-004
00080637-05A	Trip Blank #1 8/8/00
00080637-06A	Trip Blank #2 8/8/00

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	5.0
2-Hexanone	ND	5.0
4-Methyl-2-pentanone	ND	5.0
Acetone	ND	5.0
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	2.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	90.0	62-119
Surr: 4-Bromofluorobenzene	108.0	78-123
Surr: Toluene-d8	104.0	74-122

Laboratory Control Sample (LCS)

RunID: Q_000825B-382367 Units: ug/L
 Analysis Date: 08/25/2000 10:04 Analyst: CP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	56	112	66	134

Qualifiers: ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Metals by Method 6020, Total
 Method: SW6020

WorkOrder: 00080637
 Lab Batch ID: R19883

Method Blank

Samples in Analytical Batch:

RunID: 8010_000830A-386407 Units: mg/L
 Analysis Date: 08/30/2000 0:00 Analyst: SUB

Lab Sample ID	Client Sample ID
00080637-01D	GW-14876-082300-BJE-001
00080637-02D	GW-14876-082300-BJE-002
00080637-03D	GW-14876-082300-BJE-003
00080637-04D	GW-14876-082300-BJE-004

Analyte	Result	Rep Limit
Cadmium	ND	0.00050
Silver	ND	0.00050

Laboratory Control Sample (LCS)

RunID: 8010_000830A-386408 Units: mg/L
 Analysis Date: 08/30/2000 0:00 Analyst: SUB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Cadmium	0.01	0.0094	94	80	120
Silver	0.01	0.0103	103	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: IMS000830WM
 RunID: 8010_000830A-386410 Units: mg/L
 Analysis Date: 08/30/2000 0:00 Analyst: SUB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Cadmium	ND	0.01	0.008	80.0	0.01	0.0077	77.0*	3.82	20	80	120
Silver	ND	0.01	0.007	70.0*	0.01	0.0073	73.0*	4.20	20	80	120

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL MI - Matrix Interference



Quality Control Report

Conestoga-Rovers & Associates
 #14876, CN & Grand Trunk RR Property

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 00080637
 Lab Batch ID: R19702

Laboratory Control Sample (LCS)

RunID: Q_000825B-382367 Units: ug/L
 Analysis Date: 08/25/2000 10:04 Analyst: CP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	55	110	79	119
Chlorobenzene	50	50	100	74	110
Toluene	50	48	96	73	113
Trichloroethene	50	54	108	74	122

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00080634-01
 RunID: Q_000825B-382381 Units: ug/L
 Analysis Date: 08/25/2000 13:05 Analyst: CP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	50	57	114	50	53	106	7	14	38	172
Benzene	ND	50	55	110	50	53	106	4	11	66	134
Chlorobenzene	ND	50	48	96	50	48	96	0	13	67	115
Toluene	ND	50	47	94	50	48	96	2	13	59	125
Trichloroethene	ND	50	55	110	50	54	108	2	14	61	134

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution
 MI - Matrix Interference

*Chain of Custody
And
Sample Receipt Checklist*



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00080637

Received by: Turnell, Randy

Date and Time Received: 8/24/00 10:00:00 AM

Carrier name: FedEx

Temperature: 3

- | | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
-

APPENDIX C


DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

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Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

MEMORANDUM

TO: Frank Ring
FROM: Kathy Hasenfratz/rm/3/Det. 
RE: Data Quality Assessment and Validation
CN & Grand Trunk Railroad Property, Phase II Investigation
Pontiac, Michigan

REF. NO.: 14876
DATE: October 20, 2000

The following details a quality assessment and validation of the analytical data resulting from the August 15, 16, 17, 21, 22, 23, 2000 collection of forty-eight samples from the CN & Grand Trunk Railroad Property, Phase II Investigation in Pontiac, Michigan. The sample summary detailing sample identification, sample location, quality control sample and analytical parameters is presented in Table 1. Sample analysis was completed at Southern Petroleum Laboratories in Houston, Texas (SPL) in accordance with the methodologies presented in Table 2. The quality control criteria used to assess the data were established by the methods.¹

Holding Time Period and Sample Analysis

The holding time periods are presented in Table 3. The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by SPL were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no laboratory-attributable contamination occurred.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

¹ Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", EPA-540/R-94/013, February 1994.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries - Inorganic Analyses

Matrix spike/matrix spike duplicate (MS/MSD) and the relative percent difference (RPD) of the concentrations were monitored to determine the effects of sample matrix on the laboratories digestion and measurement methods. The samples that should be qualified due to violation of MS/MSD percent recovery criteria are outlined in Table 4. The remaining MS/MSD percent recoveries and associated RPDs were within the acceptance criteria.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries - Organic Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and the RPD of the concentrations were determined. The RPD for pyrene, sample S-14876-082300-JJB-203 exceeded the acceptance criteria, the reported result should be qualified as an estimated (J) concentration. The RPD for W-14876-082300-JJB-101 exceeded the acceptance criteria but the associated sample was reported as not detected for these analytes, therefore, no qualification was required. The remaining MS/MSD percent recoveries and associated RPDs were within the acceptance criteria.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field blank (rinsate) sample, three (3) field duplicate sample sets and three (3) trip blank samples.

To assess the efficiency of field decontamination procedures, rinsate sample W-14876-082300-JJB-100 was collected and analyzed for all parameters. No targeted analytes were reported as detected in the rinsate sample.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. Table 5 summarizes the results of the detected analytes in the field duplicate sample sets. The data indicate that an adequate level of precision was achieved for the sampling event.

To monitor potential cross-contamination of VOC during aqueous sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler. Acetone was detected in a trip blank from the August 23, 2000 shipment (08/23/00), but was reported non-detect in the associated samples.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE KEY
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<u>Sample Identification</u>	<u>Sample Location</u>	<u>Sample Depth</u> (ft. bgs)	<u>QC</u>	<u>Parameters</u>
S-14876-081500-DRD-001	HA1-00	0-1		Metals
S-14876-081500-JJB-002	BH21-00/MW1-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081500-JJB-003	HA2-00	0-1		RCRA Metals
S-14876-081600-JJB-004	HA3-00	0-1		RCRA Metals
S-14876-081600-JJB-005	HA4-00	0-1		RCRA Metals
S-14876-081600-JJB-006	HA5-00	0-1		RCRA Metals
S-14876-081600-JJB-007	BH22-00/MW2-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081600-DRD-008	BH23-00/MW3-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-081700-JJB-009	BH9-00	2-4		TCL VOCs, PNAs, RCRA Metals
S-14876-081700-JJB-100	TP1-00	5		TCL VOCs, PNAs, RCRA Metals
S-14876-081700-JJB-102	TP2-00	0-2.5		TCL VOCs, PNAs, RCRA Metals
S-14876-081700-JJB-103	TP3-00	0-2.5		TCL VOCs, PNAs, RCRA Metals
S-14876-081700-JJB-104	TT1-00	7.5		TCL VOCs, TCL SVOCs, RCRA Metals
S-14876-081700-JJB-105	TT2-00	2-3		TCL VOCs, TCL SVOCs, RCRA Metals
S-14876-081700-JJB-010	BH10-00	2-4		TCL VOCs, PCBs, PNA, RCRA Metals
S-14876-081700-JJB-011	BH26-00	8-10		TCL VOCs, PCBs, PNA, RCRA Metals
S-14876-081700-JJB-012	BH25-00	0-2		TCL VOCs, PCBs, PNA, RCRA Metals
S-14786-082100-JJB-021	BH1-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14786-082100-JJB-022	BH17-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14786-082100-JJB-023	BH7-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14786-082100-JJB-024	BH8-00	6-8		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14786-082100-JJB-025	BH24-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14786-082100-JJB-026	BH19-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-027	BH20-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-028	BH13-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-029	BH12-00	6-8		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-030	BH11-00	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-031	BH18-00	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals

TABLE 1

SAMPLE KEY
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<u>Sample Identification</u>	<u>Sample Location</u>	<u>Sample Depth</u> (ft. bgs)	<u>QC</u>	<u>Parameters</u>
S-14876-082200-JJB-032	BH6-00	0-2		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-033	BH5-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-034	BH4-00	0-1		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-035	BH16-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-036	BH3-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082200-JJB-037	BH2-00	2-4		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-038	BH15-00	8-10		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-039	BH15-00	8-10	Duplicate (038)	TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-040	BH14-00	4-6		TCL VOCs, PCBs, PNAs, RCRA Metals
S-14876-082300-JJB-200	HA7-00	0-2		PNA, PCB, RCRA Metals
S-14876-082300-JJB-201	HA6-00	0-2		PNA, PCB, RCRA Metals
S-14876-082300-JJB-202	HA8-00	0-1		TCL VOCs, PNAs, PCBs, RCRA Metals
S-14876-082300-JJB-203	HA8-00	0-1	Duplicate (202)	TCL VOCs, PNAs, PCBs, RCRA Metals
W-14876-082300-JJB-100	BH14-00	NA	Rinsate	TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
W-14876-082300-JJB-101	Subgrade Structure	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-001	MW1-00	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-002	MW3-00	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-003	MW3-00	NA	Duplicate (002)	TCL VOCs, PCBs, TCL SVOCs, RCRA Metals
GW-14876-082300-BJE-004	MW2-00	NA		TCL VOCs, PCBs, TCL SVOCs, RCRA Metals

Notes:

bgs - below ground surface

TCL - Target compound list

VOCs - Volatile organic compounds

SVOCs - Semivolatile organic compounds

PCBs - Polychlorinated biphenyls

RCRA - Resource Conservation and Recovery Act

PNA - Polynuclear Aromatics

TABLE 2

SUMMARY OF ANALYTICAL METHODS
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION SITE
PONTIAC, MICHIGAN

<i>Parameter</i>	<i>Method</i>
TCL VOC	SW-846 8260B ¹
TCL SVOC, PNA	SW-846 8270C
PCB	SW-846 8082
RCRA Metals	
Arsenic	SW-846 6010B
Barium	SW-846 6010B
Cadmium	SW-846 6010B
Chromium	SW-846 6010B
Lead	SW-846 6010B
Mercury	SW-846 7470A
Selenium	SW-846 6020
Silver	SW-846 6020

¹ SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

TABLE 3
 HOLDING TIME PERIODS
 CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION SITE
 PONTIAC, MICHIGAN

<i>Analysis</i>	<i>Holding Time Period</i>
TCL VOC	- 14 days (water) from sample collection to completion of analysis
TCL VOC	- 48 hours (water) from sample collection to preservation - 14 days from sample extract to completion of analysis
TCL SVOC, PNA, PCB	- 7 days(water), 14 days (soil) from sample collection to extraction - 40 days from extraction to completion of analysis
RCRA Metals (except Mercury)	- 180 days from sample collection to completion of analysis
Mercury	- 28 days from sample collection to completion of analysis

TABLE 4

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO OUTLYING
MATRIX SPIKE RECOVERY DATA-INORGANICS
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<i>Analysis</i>	<i>Parameters</i>	<i>Associated Samples</i>	<i>Qualifier¹</i>
RCRA Metals	Barium	S-14876-082300-JJB-038	J, UJ
		Lead	
		S-14876-082300-JJB-039	
		S-14876-082300-JJB-040	
		S-14876-082300-JJB-200	
		S-14876-082300-JJB-201	
		S-14876-082300-JJB-202	
	S-14876-082300-JJB-203		
RCRA Metals	Lead	S-14876-081700-JJB-009	J, UJ
		S-14876-081700-JJB-010	
		S-14876-081700-JJB-011	
		S-14876-081700-JJB-012	
		S-14876-081700-JJB-100	
		S-14876-081700-JJB-102	
		S-14876-081700-JJB-103	
		S-14876-081700-JJB-104	
		S-14876-081700-JJB-105	
RCRA Metals	Selenium	S-14786-082100-JJB-021	J, UJ
		S-14786-082100-JJB-022	
		S-14786-082100-JJB-023	
		S-14786-082100-JJB-024	
		S-14786-082100-JJB-025	
		S-14786-082100-JJB-026	
		S-14876-082200-JJB-027	
		S-14876-082200-JJB-028	
		S-14876-082200-JJB-029	
		S-14876-082200-JJB-030	

TABLE 4

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO OUTLYING
MATRIX SPIKE RECOVERY DATA-INORGANICS
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<i>Analysis</i>	<i>Parameters</i>	<i>Associated Samples</i>	<i>Qualifier</i>
RCRA Metals	Selenium (Cont'd)	S-14876-082200-JJB-031	
		S-14876-082200-JJB-032	
		S-14876-082200-JJB-033	
		S-14876-082200-JJB-034	
		S-14876-082200-JJB-035	
		S-14876-082200-JJB-036	
		S-14876-082200-JJB-037	
		S-14876-0823-00-JJB-203	

¹ The samples should be qualified for each associated parameter as:

- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise..

TABLE 5

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<i>Parameter</i>	<i>Investigative Sample</i>	<i>Duplicate Sample</i>	<i>RPD</i> ¹
	S-14876-082300-JJB-038	S-14876-082300-JJB-039	
RCRA Metals (mg/Kg)			
Lead	5.87	5.76	1.9
Barium	43	29.2	38
Chromium	6.38	5.05	23
Arsenic	6.18	10.3	50
Cadmium	0.117	0.126	7.4
	S-14876-082300-JJB-202	S-14876-082300-JJB-203	
RCRA Metals (mg/Kg)			
Lead	218	217 J ²	0.46
Selenium	0.859	1.04 J	19
Barium	76.6	75.2 J	1.8
Chromium	20.8	18.6	11
Arsenic	7.57	7.63	0.79
Cadmium	0.706	0.843	18
PNA (µg/Kg)			
2-Methylnaphthalene	ND (360) ³	430	NC ⁴
Benz(a)anthracene	670	820	20
Benzo(a)pyrene	650	970	40
Benzo(b)fluoranthene	850	1,400	49
Benzo(g,h,i)perylene	740	710	4.1
Benzo(k)fluoranthene	760	1,100	37
Chrysene	800	1,100	32
Fluoranthene	890	1,300	48
Indeno(1,2,3-cd)pyrene	860	690	25
Phenanthrene	540	690	24
Pyrene	790	1,400	56

TABLE 5

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
CN & GRAND TRUNK RAILROAD PROPERTY, PHASE II INVESTIGATION
PONTIAC, MICHIGAN

<i>Parameter</i>	<i>Investigative Sample</i> S-14876-082300-JJB-202	<i>Duplicate Sample</i> S-14876-082300-JJB-203	<i>RPD</i> ¹
TCL VOC ($\mu\text{g}/\text{Kg}$)			
Ethylbenzene	120	110	8.7
Toluene	420	380	10
Xylenes (total)	820	830	1.2
GW-14876-082300-BJE-002 GW-14876-082300-BJE-003			
RCRA Metals (mg/L)			
Arsenic	0.00622	ND (0.005)	NC
TCL VOC ($\mu\text{g}/\text{L}$)			
Vinyl Chloride	63	61	3.2
cis-1,2-Dichloroethene	68	68	0
trans-1,2-Dichloroethene	76	73	4.0

Notes:¹RPD - Relative Percent Difference²J -³ND() - Not detected at the quantitation limit stated in parentheses.⁴NC - Not calculable.