ENCYCLE/TEXAS, INC.

FINAL CLOSURE CERTIFICATION REPORT - FACILITY NO. 1 NON-PERMITTED UNITS

September 23, 2004

ARCADIS

Infrastructure, buildings, environment, communications

ARCADIS

Kenneth J. Brandner, P.E., P.G.
Geological Engineer

Gordon D. Ware, P.G.
Principal Scientist

FINAL CLOSURE CERTIFICATION REPORT FACILITY NO. 1 NON-PERMITTED UNITS

Encycle/Texas, Inc.
Corpus Christi, Texas

Prepared for:
Encycle/Texas, Inc.
5500 Up River Road
Corpus Christi, Texas

Prepared by:
ARCADIS G&M, Inc.
711 N. Carancahua
Suite 1700
Corpus Christi
Texas 78475
Tel 361 883 1353
Fax 361 883 7565

Our Ref.:
CC000867.0001

Date:
September 23, 2004

1.0 Introduction 1

2.0 Encycle Facility Location and Description 2

3.0 Facility No. 1 Description 2

4.0 Closure Activities 3

4.1 General 3

4.2 Waste Removal 3

4.3 Unit Decontamination 3

4.4 Secondary Containment Area Decontamination 5

4.5 Verification Rinsate Sampling 5

4.5.1 Verification Rinse Water Sample Collection Procedures 5

4.5.2 Verification Rinse Water Sample Analytical Results 6

4.6 Decontamination of Cleanup Equipment 7

4.7 Soil Sampling Below Failures in Secondary Containment Systems 7

4.7.1 Soil Sample Collection Procedures 7

4.7.2 Soil Sample Analytical Results 8

4.8 Soil Evaluation 8

4.9 Groundwater Evaluation 9

5.0 Summary and Conclusions 9

6.0 Certification of Closure 11

Tables

1 Facility No. 1 Non-Permitted Unit Descriptions

2 Rinse Water Analytical Results Summary – Facility No. 1 Building Non-Permitted Areas (mg/L)

3 Analytical Results Summary – Soil Samples Below Cracks in Facility No. 1 Non-Permitted Concrete Floor (mg/kg)

4 Analytical Results Summary – Groundwater (mg/L)

Figures

1 Site Map

2 Facility No. 1 Building – Plan View

3 Water Table Map, February 11, 2002

Appendices

A Unit Descriptions

B Site Photographs

C TCEQ April 27, 2000 Letter

D Decontamination Rinsate Standards

E Manifests for Facility No. 1 Piping

F Laboratory Reports – Rinse Water Samples

G Encycle Constituents of Concern

H Soil Background Concentrations

I Laboratory Reports – Soil Samples

J Soil Sample Analytical Result Summary Tables – RFI Soil Borings around the Perimeter of Facility No. 1

K Monitor Well MW-20 Completion Diagram

1.0 Introduction

ARCADIS G&M, Inc. (ARCADIS) was retained by Encycle/Texas, Inc. (Encycle) to supervise closure of 22 non-permitted units in the Facility No. 1 building and also four non-permitted units (North Demin Tank, South Demin Tank, Demin Overflow Tank, Tank 485260) adjacent to the Facility No. 1 building located at Encycle/Texas, Inc., 5500 Up River Road, Corpus Christi, Texas. These 26 non-permitted units include 15 tanks and 11 filter presses that are listed in Table 5 of Exhibit 5 of the October 1999 Consent Decree issued to Encycle/Texas, Inc. and ASARCO, Inc. Closure activities for these non-permitted units were conducted in accordance with the November 1999 Closure Plan (Closure Plan) entitled "Final Facility Closure and Post-Closure Plan for Non-Permitted Units" that was approved by the Texas Commission on Environmental Quality (TCEQ) on April 27, 2000.

In accordance with the Stipulation and Order Modifying Consent Decree between the United States and the State of Texas vs. Encycle/Texas Inc. and ASARCO Incorporated, that was entered into the U.S. District Court for the Southern District of Texas on August 13, 2004, Encycle agreed to complete RCRA final closure of the facility's hazardous and solid waste management units no later than January 1, 2005. This report presents final closure activities associated with the non-permitted units in and adjacent to Facility No. 1. Closure activities for the permitted container storage area in Facility No. 1, and other hazardous and solid waste management units at the facility will be addressed in separate reports.

As detailed below, the non-permitted units and secondary containment areas in and adjacent to Facility No. 1 were decontaminated between March and September 2004. Decontamination continued until verification rinse water sampling showed that no hazardous wastes remained, and the decontamination standards had been met. Additionally, as specified in the Closure Plan, soil samples were collected below the floor of the units in areas where the concrete was cracked. The soil samples were analyzed for constituents previously managed at the facility.

All wastes have been removed from the 22 non-permitted units in Facility No. 1 and the four adjacent non-permitted units, and verification rinse water sample analytical data demonstrates that these non-permitted units and secondary containment areas have been decontaminated as specified in the approved Closure Plan.

2.0 Encycle Facility Location and Description

The Encycle facility is approximately 108 acres in size and is located at 5500 Up River Road in Corpus Christi, Texas. The facility was originally developed by American Smelting and Refining Company (now ASARCO, Inc.) in 1941 to process mineral ores for the production of high grade zinc. The facility was shut down during 1985, and the site was inactive from 1986 until 1988. The facility was operated by Encycle from 1988 through 2002 as a commercial waste management facility treating primarily inorganic hazardous and non-hazardous materials for the purpose of recycle, reclaimation, and reduction in volume using a hydro-metallurgical process. Facility operations ceased in 2003, and final facility closure activities are currently in progress.

The facility's TCEQ Industrial Solid Waste Registration Number and U.S. Environmental Protection Agency (EPA) Identification Number are 30003 and TXD008117186, respectively. The facility's Industrial Solid Waste Management Permit Number is HW50221-001.

3.0 Facility No. 1 Description

Facility No. 1 is an approximate 50,000 square foot building with concrete floors, prefabricated metal walls, and a prefabricated metal roof with steel (I-beam) structural support. Facility No. 1 is located in the east-central portion of the Encycle facility as shown on Figure 1. Facility No. 1 was used during ASARCO operations for purification of zinc sulfate solution in tanks and other process equipment. Facility No. 1 was used during Encycle operations for wastewater treatment and for storage and processing of metal-bearing materials. The metal-bearing materials were stored in containers, and processing occurred in tanks and filter presses.

Facility No. 1 has reinforced concrete floors, and concrete floor drains, sumps, curbs and ramps to contain any spills. As shown on Figure 2, the non-permitted units inside Facility No. 1 include 11 tanks on the first floor of the building (Tanks 705001, 705210, 705320, 715010, 715060, 715070, 715100, 715110, 715120, 715140 and 715160) and 11 filter presses on the second level (2nd floor) of the building (Filter Presses 215020, 215030, 215090, 215095, 215155, 705070, 705080, 705090, 705180, 705190 and 705200). Additionally, as shown on Figure 1, three non-permitted tanks are located approximately 150 feet west of Facility No. 1 (North Demin Tank, South Demin Tank, Demin Overflow Tank), and one non-permitted tank (Tank 485260) is located in the Rail Car Wash Area approximately 200 feet north of Facility No. 1. These non-permitted units are listed in Table 5 of Exhibit 5 of the Consent Decree (see

Appendix A). Descriptions of the non-permitted units are summarized on Table 1, and photographs are provided in Appendix B.

4.0 Closure Activities

4.1 General

Closure activities for the 26 non-permitted units in and adjacent to Facility No. 1 were conducted as specified in the Closure Plan. The closure activities included (1) waste removal, (2) unit decontamination, (3) secondary containment area decontamination, (4) verification rinsate sampling of the units (5) verification rinsate sampling of the secondary containment areas, (6) soil sampling below failures in secondary containment systems, (7) decontamination of cleanup equipment, (8) soil evaluation, and (9) groundwater evaluation.

The closure activities are discussed in the following subsections.

4.2 Waste Removal

The non-permitted units in Facility No. 1 were empty at the time of closure. The contents of the non-permitted units were transported offsite for recycling or disposal prior to initiation of closure activities.

Regarding the four non-permitted units located adjacent to Facility No. 1, the Demin Overflow Tank (Tank 225001) and Tank 485260 in the Rail Car Wash Area also were empty at the time of closure. The North Demin Tank (Tank 226020) and the South Demin Tank (Tank 226022) contained several feet of sediment (sand, silt, clay) at the time of closure. The sediments in the North and South Demin Tanks were removed during June 2004 as part of the TCEQ-approved Closure Plan for the East and West Lagoons. Details regarding North and South Demin Tank sediment removal activities were provided in Quarterly Progress Report No. 17 that was submitted to the TCEQ on July 22, 2004. Details regarding North and South Demin Tank sediment removal activities also will be provided in the Final Closure Certification Report for the East and West Lagoons that will be submitted to the TCEQ during October 2004.

4.3 Unit Decontamination

Final closure activities for the non-permitted units in and adjacent to Facility No. 1 were conducted between March and September 2004. As specified in the TCEQ April

27, 2000 letter, each non-permitted unit in Facility No. 1 was decontaminated to the decontamination rinsate standards given in Section VI.E, Page 34 of the Consent Decree. A copy of the TCEQ April 27, 2000 letter is provided in Appendix C, and the decontamination rinsate standards are provided in Appendix D. The decontamination rinsate standards also are summarized on the bottom of Table 2.

Unit decontamination activities were conducted by qualified Encycle personnel and contractors under the supervision of an independent Texas-Registered Professional Engineer (Kenneth Brandner of ARCADIS G&M, Inc.). Decontamination activities initially involved cleaning of the non-permitted units using pressure washing, steam cleaning, and/or manual scraping tools to remove any waste residuals. The washwater and waste residuals were collected and routed to the Encycle wastewater treatment system. As specified in the Closure Plan, pumps, agitators, piping, and valves attached to the units that had been exposed to liquid materials during use also were decontaminated by pressure washing, manual scraping, and triple rinsing to remove all waste residuals. The piping was then either disconnected from the units, capped, or valves on the piping where shut and tagged "off". Electrical power to the pumps and agitators was either disconnected and/or instrument power switches were tagged "off".

The interiors of several of the piping segments attached to the non-permitted units contained waste residuals that could not be readily removed. Therefore, these piping segments were cut from the units and stored on-site in a steel roll-off box. Waste residuals from the non-permitted units also were placed into the steel roll-off box. The piping segments and waste residuals were disposed of at the US Ecology Texas landfill in Robstown, Texas, and copies of the waste manifests are provided in Appendix E. Additional waste residuals from the Facility No. 1 non-permitted units are currently stored on-site in containers. The additional waste residuals, along with waste residuals from other units at the facility undergoing final closure, will be disposed of at the US Ecology Texas landfill when a sufficient volume of materials have been accumulated.

Decontamination continued until all visible evidence of waste residuals had been removed. Each unit was then triple-rinsed by pressure washing, and the rinse water was collected and routed to the Encycle wastewater treatment system. Following triple-rinsing, a rinsate sample was collected from each unit as described below in Section 4.5.

4.4 Secondary Containment Area Decontamination

Following decontamination of the non-permitted units, the secondary containment areas were decontaminated. As shown on Figure 2 and the photographs in Appendix B, the secondary containment areas for the non-permitted units consist of concrete floors with floor drains, sumps, and/or concrete curbing. The concrete floor in the northern portion of the building slopes to concrete floor drains that discharge into two 4-foot by 4-foot by 3-foot-deep concrete sumps (northwest sump and northeast sump). The concrete floor in the southwestern portion of the building slopes to a concrete floor drain that discharges into a 4-foot by 4-foot by 3-foot-deep concrete sump. The 36-inch and 48-inch filter presses on the second floor of Facility No. 1 have metal hoppers that discharge downward into three ground-level concrete bins at the east-center end of Facility No. 1 (Appendix B, photograph 8).

Decontamination activities involved cleaning of the concrete floors, floor drains, sumps, curbs, and bins using pressure washing and/or steam cleaning to remove any waste residuals. The washwater and waste residuals were collected and routed to the Encycle wastewater treatment system. Decontamination continued until all visible evidence of waste residuals had been removed. The secondary containment areas were then triple-rinsed by pressure washing, and the rinse water was collected and routed to the Encycle wastewater treatment system. Following triple-rinsing, rinsate samples were collected from the secondary containment areas as described below in Section 4.5.

4.5 Verification Rinsate Sampling

4.5.1 Verification Rinse Water Sample Collection Procedures

As specified in the Closure Plan, following decontamination, a low volume rinsate sample was collected from each non-permitted unit and from the underlying concrete secondary containment areas. Rinsate samples were collected from the non-permitted units at valves or flanges at the base of each unit. Rinsate samples were collected from the secondary containment area concrete floors at sumps, and in the low points in the concrete floor in areas where sumps were not present. Each rinsate sample was collected by directly filling laboratory-provided, 16-ounce polyethylene bottles with nitric acid preservative. Each rinsate sample was analyzed for all metals listed in Table 3 of Exhibit 5 of the Consent Decree (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver).

The sample bottles were securely capped, labeled, placed into a cooler with ice, and submitted to an independent analytical laboratory. The verification rinse water samples were analyzed within EPA-specified holding times using the analytical protocols specified in the EPA document entitled "Test Methods for Evaluating Solid Waste (EPA SW-846)."

4.5.2 Verification Rinse Water Sample Analytical Results

Verification rinse water sample analytical results are summarized on Table 2, and copies of the analytical laboratory reports are provided in Appendix F.

Verification rinse water sample analytical results showed that all of the non-permitted tanks in Facility No. 1 met the decontamination standards. Verification rinse water sample analytical results also showed that the four non-permitted tanks adjacent to Facility No. 1 (North Demin Tank 226020, South Demin Tank 226022, Demin Overflow Tank 225001, Rail Car Wash Area Tank 485260) met the decontamination standards.

Verification rinse water sample analytical results showed that all of the filter presses met the decontamination standards except for the rinsate samples from Filter Presses 215020, 215095, and 215155. The lead concentrations in the initially collected verification rinse water samples from Filter Presses 215020, 215095, and 215155 exceeded the decontamination standard of 1.5 milligrams per liter (mg/L) for lead. The cadmium concentration in the initially collected verification rinse water sample from Filter Press 215155 also exceeded the decontamination standard of 0.5mg/L for cadmium. Therefore, as specified in the Closure Plan, Filter Presses 215020, 215095, and 215155 were further decontaminated using pressure washing and manual scraping. The cleaning water was collected and routed to the Encycle wastewater treatment system. Following the additional decontamination activities, verification rinse water samples were collected from Filter Presses 215020, 215095, and 215155 on June 3, 2004. As shown on Table 2, the decontamination standards for lead and cadmium were met following the additional cleaning of the filter presses.

Verification rinse water sample analytical results showed that all of the concrete secondary containment areas met the decontamination standards except for the rinsate sample from the concrete bin below the two 48-inch Filter Presses (Filter Press Nos. 215020 and 215030). The lead concentration in the initially collected verification rinse water sample from the concrete bin (Sample ID: 48" Filter Bottom Floor) exceeded the decontamination standard of 1.5 mg/L for lead. Therefore, as specified in the

Closure Plan, the concrete bin was further decontaminated using pressure washing and manual scraping. The cleaning water was collected and routed to the Encycle wastewater treatment system. Following the additional decontamination activities, a verification rinse water sample was collected from the concrete bin on August 26, 2004. As shown on Table 2, the decontamination standard for lead was met following the additional cleaning of the concrete bin.

4.6 Decontamination of Cleanup Equipment

Following Facility No. 1 decontamination activities, the Facility No. 1 cleanup equipment (vacuum truck hoses, pressure washer and steam cleaner hoses, metal scrapers) and safety equipment (personnel boots) were washed, and the wash water was routed to the Encycle wastewater treatment system. The equipment was then moved to other units at the Encycle facility currently undergoing final closure. Following closure of all units, the cleanup equipment and non-disposable safety equipment will undergo final decontamination as specified in the Closure Plan.

4.7 Soil Sampling Below Failures in Secondary Containment Systems

4.7.1 Soil Sample Collection Procedures

The concrete floors, floor drains, sumps, bins, and curbs in Facility No. 1 were visually inspected by the Professional Engineer during August 2004 for breeches and failures in the secondary containment areas. The concrete floors, floor drains, sumps, and curbs in Facility No. 1 appeared in good condition (see Appendix B, photographs 1 through 10). However, three cracks were present on the concrete floor near Tank 705001at the southeast end of the building. Therefore, as specified in the Closure Plan, soil samples were collected below these cracks. Soil sample locations are shown on Figure 2.

The concrete floor was cored at each sample location using a 4-inch-diameter diamond core barrel. Soil samples were then collected using a stainless steel hand auger. Prior to collection of each sample, the hand auger was cleaned using a non-phosphate detergent wash, water rinse, and distilled water final rinse. Equipment cleaning water was routed to the Encycle wastewater treatment system. Soil samples were collected directly below the concrete (0-0.5 foot) at each sample location. Additionally, a deeper (2-2.5 foot) soil sample was collected at each sample location. The soil samples were placed into 16-ounce widemouth glass jars with Teflon-lined lids. The sample jars were securely capped, labeled, placed into a cooler with ice, and submitted with chain

of custody documents to an independent analytical laboratory. Following soil sample collection, the soil borings were plugged with concrete.

4.7.2 Soil Sample Analytical Results

Each 0-0.5 foot depth soil sample was analyzed for the constituents previously managed at the facility. The list of constituents previously managed at the facility is summarized in Appendix G. Following receipt of the analytical results for the 0-0.5 foot depth soil samples, the deeper (2-2.5 foot depth) soil samples were analyzed for all constituents that exceeded background concentrations in the 0-0.5 foot depth soil samples. The soil background concentrations for the site were previously approved by the TCEQ, and a copy of the approved background concentrations is provided in Appendix H.

The soil samples were analyzed within EPA-specified holding times using the analytical protocols specified in the EPA document entitled "Test Methods for Evaluating Solid Waste (EPA SW-846)." Soil sample analytical results are summarized on Table 3, and copies of the analytical laboratory reports are provided in Appendix I. As shown on Table 3, the concentrations of several metals in the 0-0.5 foot depth soil samples exceeded background concentrations. With the exception of cadmium, metal concentrations in the deeper (2-2.5 foot depth) soil samples decreased to background concentrations. The cadmium concentrations in the 2-2.5 foot depth soil samples remained elevated (96 to 404 mg/kg).

As detailed in the RCRA Facility Investigation Report dated August 13, 2002, cadmium concentrations in soil samples collected around the outside perimeter of Facility No. 1 (soil borings B-61 through B-70, B-182, and B-183) also were elevated in the shallow soils. Cadmium concentrations in the Facility No. 1 RFI soil samples decreased with depth and reached background concentrations at depths of 8.5 feet or less. Analytical results for soil samples collected around the perimeter of Facility No. 1 were previously presented in Tables 14 and 20 of the August 13, 2002 RFI report, and copies of these tables are provided in Appendix J.

4.8 Soil Evaluation

As discussed above in Section 4.7.2, the concentrations of several metals in the soil samples below the Facility No. 1 concrete floor exceeded background concentrations. However, none of the constituent concentrations in the Facility No. 1 soil samples exceeded the Texas Risk Reduction Program (TRRP) Tier 1 commercial/industrial

protective concentration levels (PCLs) for combined ingestion, dermal contact, inhalation of volatiles and particulates, and ingestion of above-ground and below-ground vegetatables ($^{Tot}Soil_{Comb}$).

A facility-wide baseline risk assessment (BLRA) was submitted to the TCEQ on April 14, 2004 as part of the RCRA corrective action activities specified in the October 1999 Consent Decree, and a BLRA Addendum was submitted to the TCEQ on August 27, 2004. Following TCEQ approval of the BLRA, Encycle will conduct a corrective measures study (CMS). Encycle also intends to deed record the property for commercial/industrial land use, and prohibit the future installation of any water wells at the property, eliminating the groundwater ingestion exposure pathway. The constituents detected in the soil samples below the Facility No. 1 concrete floor will be evaluated as part of the CMS.

4.9 Groundwater Evaluation

Based on previous investigations conducted at the site as part of the RCRA Facility Investigation, groundwater occurs at a depth of approximately 17 feet in the Facility No. 1 area. As shown on Figure 3, monitor well MW-20 is located directly north of Facility No. 1. A copy of the monitor well MW-20 completion diagram is provided in Appendix K.

As part of the RCRA Facility Investigation, groundwater samples were collected from monitor well MW-20 on a monthly frequency between December 2001 and February 2002. Groundwater analytical data is summarized on Table 4. As shown on Table 4, constituent concentrations in groundwater samples collected from monitor well MW-20 were low to non-detectable, and did not exceeded background concentrations. Additional details regarding the groundwater quality data at the site is provided in the August 13, 2002 RFI report.

5.0 Summary and Conclusions

Closure of Facility No. 1 has been conducted in accordance with the November 1999 Closure Plan entitled "Final Facility Closure and Post-Closure Plan for Non-Permitted Units" as approved in the TCEQ letter dated April 27, 2000; and the August 13, 2004 Stipulation and Order Modifying Consent Decree. All wastes have been removed from the Facility No. 1 non-permitted units and four adjacent non-permitted units (North Demin Tank 226020, South Demin Tank 226022, Demin Overflow Tank 225001, Rail Car Wash Area Tank 485260). Verification rinse water sample analytical data

demonstrates that the non-permitted units and secondary containment areas have been decontaminated as specified in the Closure Plan. Therefore, no post-closure care is required for the non-permitted units in Facility No. 1.

Several constituents in soil samples collected directly below the concrete floor of Facility No. 1 exceed background concentrations. None of the metal concentrations in the soil samples exceeded the TRRP Tier 1 commercial/industrial PCLs for $^{Tot}Soil_{Comb}$. A facility-wide BLRA was submitted to the TCEQ on April 14, 2004 as part of the RCRA corrective action activities specified in the October 1999 Consent Decree, and a BLRA Addendum was submitted to the TCEQ on August 27, 2004. Following TCEQ approval of the BLRA, Encycle will conduct a CMS. Encycle also intends to deed record the property for commercial/industrial land use, and prohibit the future installation of any water wells at the property, eliminating the groundwater ingestion exposure pathway. The constituents detected in the soil samples below the Facility No. 1 concrete floor will be evaluated as part of the CMS.

6.0 Certification of Closure

CLOSURE CERTIFICATION
FACILITY NO. 1 NON-PERMITTED UNITS
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS

Professional Engineer's Certification

I, Kenneth J. Brandner, do hereby certify that the closure of the Facility No. 1 non-permitted units at the Encycle/Texas, Inc. facility has been completed as specified in the November 1999 Closure Plan entitled "Final Facility Closure and Post-Closure Plan for Non-Permitted Units" as approved in the TCEQ letter dated April 27, 2000; and the Stipulation and Order Modifying Consent Decree between the United States and the State of Texas vs. Encycle/Texas Inc. and ASARCO Incorporated, that was entered into the U.S. District Court for the Southern District of Texas on August 13, 2004. I have personally examined Facility No. 1 closure activities and am familiar with the information submitted in this document and all attachments, which has been prepared in compliance with good engineering practices. The information provided in this document is true, accurate, and complete to the best of my knowledge.

(Seal)

Signature: Kenneth J Brandner

Kenneth J. Brandner, P.E.

Registration No.: 69586

Date: 9-23-04

CLOSURE CERTIFICATION
FACILITY NO. 1 NON-PERMITTED UNITS
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS

Owner's Certification

I, RICHARD MARCUS (Name), PLANT MANAGER (Title)

Certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of civil penalty and criminal fine.

Signature: Richard Marcus Date: 9/22/04

TABLES

Table 1. Facility No. 1 Non-Permitted Unit Descriptions, Encycle/Texas, Inc., Corpus Christi, Texas

Encycle Unit Name	NOR Unit Sequence Number	Consent Decree Table 5 Reference No.	Unit Description	Unit Location	Tank Capacity (gallons)	Material of Construction
Baby Tank	50	T-1	Tank 705001	1st Floor	16,000	Wood
US Filter Feed	80	T-13	Tank 705210	1st Floor	1,000	Stainless Steel
Steel Near Agmet	84	T-20	Tank 705320	1st Floor	4,990	Stainless Steel
Tank 715010	90	T-31	Tank 715010	1st Floor	20,000	Wood
Tank 715060	101	T-33	Tank 715060	1st Floor	6,000	FRP/Poly
Tank 715070	102		Tank 715070	1st Floor	6,000	FRP/Poly
Tank 715100	104	T-37	Tank 715100	1st Floor	7,460	FRP/Poly
Tank 715110	105	T-38	Tank 715110	1st Floor	7,460	FRP/Poly
Feed Tank 1	106		Tank 715120	1st Floor in below-grade concrete secondary containment	22,500	Wood/brick
Tank 715140	107	T-40	Tank 715140	1st Floor	4,990	Stainless Steel
Tank 715160	108	T-41	Tank 715160	1st Floor	5,185	Stainless Steel
North Demin Tank	159	T-171	Tank 226020 (Former Storm Water Storage Tank)	150 feet west of Facility No. 1	259,000	Steel
South Demin Tank	160	T-172	Tank 226022 (Former Storm Water Storage Tank)	150 feet west of Facility No. 1	259,000	Steel
Demin Overflow Tank	158		Tank 225001	150 feet west of Facility No. 1	5,000	FRP

Table 1. Facility No. 1 Non-Permitted Unit Descriptions, Encycle/Texas, Inc., Corpus Christi, Texas

Encycle Unit Name	NOR Unit Sequence Number	Consent Decree Table 5 Reference No.	Unit Description	Unit Location	Tank Capacity (gallons)	Material of Construction
HW/NHW & Reagent West	157	T-158	Tank 485260	Rail Car Wash Area	3,500	FRP
Filter 215020	167	F-2	48-inch South Filter Press	2nd Floor	NA	Steel frame
Filter 215030	168	F-1	48-inch North Filter Press	2nd Floor	NA	Steel frame
Filter 215090	169	F-4	36-inch Middle Filter Press	2nd Floor	NA	Steel frame
Filter 215095	170	F-3	36-inch North Filter Press	2nd Floor	NA	Steel frame
Filter 215155	172	F-5	36-inch South Filter Press	2nd Floor	NA	Steel frame
US Filter 1		F-8	Pressure Filter 705070	2nd Floor	NA	Steel frame
US Filter 2		F-9	Pressure Filter 705080	2nd Floor	NA	Steel frame
US Filter 3		F-10	Pressure Filter 705090	2nd Floor	NA	Steel frame
US Filter 4		F-11	Pressure Filter 705180	2nd Floor	NA	Steel frame
US Filter 5		F-12	Pressure Filter 705190	2nd Floor	NA	Steel frame
US Filter 6		F-13	Pressure Filter 705200	2nd Floor	NA	Steel frame

NOR Notice of Registration for SWR No. 30003
NA Not applicable
FRP Fiberglass
Poly Polyethylene

Table 2. Rinse Water Analytical Results Summary - Facility No. 1 Building Non-Permitted Areas (mg/L), Encycle/Texas, Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Tanks and Filters										
Tank 705001	3/25/04	Tank - 1st Floor	<0.01	0.07	<0.005	<0.01	0.03	<0.002	<0.01	<0.005
Tank 705001 Dup	3/25/04		<0.01	0.08	<0.005	<0.01	0.03	<0.002	<0.01	<0.005
Tank 705210	5/24/04	Tank - 1st Floor	<0.01	0.07	<0.01	<0.01	0.02	<0.002	<0.01	<0.005
Tank 705320	6/16/04	Tank - 1st Floor	<0.01	0.08	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
Tank 715010	6/15/04	Tank - 1st Floor	<0.01	0.07	0.02	<0.01	0.02	<0.002	<0.01	<0.005
Tank 715010 Dup	6/15/04		<0.01	0.07	0.02	<0.01	0.02	<0.002	<0.01	<0.005
Tank 715060	3/25/04	Tank - 1st Floor	<0.01	0.06	<0.005	<0.01	<0.01	<0.002	<0.01	<0.005
Tank 715070	3/25/04	Tank - 1st Floor	<0.01	0.07	0.019	<0.01	0.02	<0.002	<0.01	<0.005
Tank 715100	3/25/04	Tank - 1st Floor	<0.01	0.07	<0.005	<0.01	<0.01	<0.002	<0.01	<0.005
Tank 715110	3/25/04	Tank - 1st Floor	<0.01	0.08	0.039	<0.01	0.04	<0.002	<0.01	<0.005
Feed Tank 1 (Tank 715120)	6/16/04	Tank - 1st Floor	<0.01	0.09	0.03	0.06	0.25	<0.002	<0.01	<0.005
Tank 715140	3/25/04	Tank - 1st Floor	<0.01	0.06	0.008	<0.01	<0.01	<0.002	<0.01	<0.005
Tank 715160	3/25/04	Tank - 1st Floor	<0.01	0.07	<0.005	<0.01	<0.01	<0.002	<0.01	<0.005
North Demin Tank[a] (Tank 226020)	6/21/04	Tank - 150 feet west of Facility No. 1	<0.01	0.11	0.01	<0.01	0.10	<0.002	<0.01	<0.005
South Demin Tank[a] (Tank 226022)	6/16/04	Tank - 150 feet west of Facility No. 1	<0.01	0.09	0.01	<0.01	0.14	<0.002	<0.01	<0.005
Tank 225001	5/24/04	Tank - 150 feet west of Facility No. 1	<0.01	0.05	0.02	<0.01	<0.01	<0.002	<0.01	<0.005

Table 2. Rinse Water Analytical Results Summary - Facility No. 1 Building Non-Permitted Areas (mg/L), Encycle/Texas, Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Tank 485260	5/24/04	Tank - Rail Car Wash Area	<0.01	0.08	<0.01	<0.01	0.01	<0.002	<0.01	<0.005
Filter 215020	5/24/04	Filter Press - 2nd Floor	0.16	0.22	0.30	0.18	**6.75**	<0.002	<0.01	<0.005
	6/3/04		---	---	---	---	0.01	---	---	---
Filter 215030	5/24/04	Filter Press - 2nd Floor	<0.01	0.07	0.02	0.05	0.4	<0.002	<0.01	<0.005
Filter 215090	5/24/04	Filter Press - 2nd Floor	0.04	0.06	0.03	0.08	0.23	<0.002	<0.01	0.019
Filter 215095	5/24/04	Filter Press - 2nd Floor	0.06	0.08	0.21	1.62	**2.85**	<0.002	<0.01	0.041
Filter 215095 DUP	5/24/04		0.06	0.07	0.18	1.63	**3.12**	<0.002	<0.01	0.03
Filter 215095	6/3/04		---	---	---	---	<0.01	---	---	---
Filter 215155	5/24/04	Filter Press - 2nd Floor	0.16	0.14	**1.57**	1.37	**13.0**	0.003	<0.01	<0.005
	6/3/04		---	---	<0.01	---	0.01	---	---	---
US Filter 1	6/22/04	US Filter - 2nd Floor	<0.01	0.08	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
US Filter 2	6/22/04	US Filter - 2nd Floor	<0.01	0.09	<0.01	<0.01	0.01	<0.002	0.01	<0.005
US Filter 3	6/22/04	US Filter - 2nd Floor	<0.01	0.1	<0.01	<0.01	0.01	<0.002	<0.01	<0.005
US Filter 4	6/24/04	US Filter - 2nd Floor	<0.01	0.11	<0.01	<0.01	<0.01	<0.002	0.01	<0.005
US Filter 5	6/22/04	US Filter - 2nd Floor	<0.01	0.1	<0.01	<0.01	0.04	<0.002	<0.01	<0.005
US Filter 6	6/24/04	US Filter - 2nd Floor	<0.01	0.11	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
US Filter 6 Dup	6/24/04		<0.01	0.11	<0.01	<0.01	<0.01	<0.002	0.02	<0.005
Secondary Containment Areas										
Feed Tank 1 Floor	6/24/04	Concrete floor (storm water area) - Feed Tank 1 secondary containment.	<0.01	0.11	<0.01	<0.01	<0.01	<0.002	0.01	<0.005
NW Sump	8/25/04	Northwest portion of Facility No. 1 non-permitted concrete floor at northwest sump (low point).	<0.01	0.08	<0.01	<0.01	0.04	<0.002	0.01	<0.005

Table 2. Rinse Water Analytical Results Summary - Facility No. 1 Building Non-Permitted Areas (mg/L), Encycle/Texas, Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NE Sump	8/25/04	Northeast portion of Facility No. 1 non-permitted concrete floor at northeast sump (low point).	<0.01	0.11	<0.01	0.02	0.20	<0.002	0.01	<0.005
Tank 705210 Floor	8/25/04	Center portion of Facility No. 1 non-permitted concrete floor at low point northeast of Tank 705210.	<0.01	0.12	<0.01	<0.01	<0.01	<0.002	0.02	<0.005
Baby Tank Floor	8/23/04	Southeast portion of Facility No. 1 non-permitted concrete floor at southeast sump (low point) north of Tank 705001.	<0.01	0.11	<0.01	<0.01	0.02	<0.002	<0.01	<0.005
48" Filter Bottom Floor	8/23/04	Facility No. 1 concrete floor under 48"	0.02	0.11	0.07	0.07	**1.96**	<0.002	0.02	<0.005
Duplicate	8/23/04	Filter Presses 215020 and 215030.	0.02	0.11	0.06	0.07	**1.81**	<0.002	<0.01	<0.005
	8/26/04		---	---	---	---	0.12	---	---	---
36" South Bottom Floor	8/23/04	Facility No. 1 concrete floor under 36" Filter Press 215155	0.02	0.1	0.3	0.05	0.64	<0.002	<0.01	<0.005
36" Middle & North Bottom Floor	8/23/04	Facility No. 1 concrete floor under 36" Filter Press 215090 and 215095.	0.02	0.11	0.06	0.04	0.89	<0.002	<0.01	0.01
Demin Tanks Concrete Floor	8/24/04	Concrete floor (storm water area) between North and South Demin Tanks	<0.01	0.10	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
Tank 485260 Floor	9/9/04	Concrete Floor below Tank 485260 in the Rail Car Wash Area	<0.01	0.08	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
US Filter 1-3 Floor	8/23/04	Concrete floor on second level below US Filters 1, 2, and 3.	<0.01	0.11	<0.01	<0.01	<0.01	<0.002	0.01	<0.005
US Filter 4-6 Floor	8/23/04	Concrete floor on second level below US Filters 4, 5, and 6.	<0.01	0.11	<0.01	<0.01	0.02	<0.002	<0.01	<0.005

Table 2. Rinse Water Analytical Results Summary - Facility No. 1 Building Non-Permitted Areas (mg/L), Encycle/Texas, Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
36" & 48" Filter Floor	8/23/04	Concrete floor on second level below 36" and 48" Filter Presses.	<0.01	0.11	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
Field Blank	3/25/04		<0.01	<0.01	<0.005	<0.01	<0.01	<0.002	<0.01	<0.005
Field Blank	8/23/04		<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.005
Decontamination Rinsate Standards:[b]			5.0	100	0.5	5.0	1.5	0.2	1.0	2.0

mg/L	Milligrams per liter
---	Not analyzed
Dup	Duplicate
a	Additional details regarding closure of the North and South Demin Tanks will be provided in the East and West Lagoons Closure Certification Report to be submitted to the TCEQ during 2004.
b	Decontamination Rinsate Standards given in Table 3 of Exhibit 5 of the Consent Decree issued to Encycle/Texas, Inc. and ASARCO, Inc., which was entered in the U.S. District Court for the Southern District of Texas on October 6, 1999.

Note: Numbers in **bold** exceed rinse water decontamination standards specified in the TCEQ April 27, 2000 letter (decontamination rinsate standards given in Table 3 of Exhibit 5 of the Consent Decree).

Table 3. Analytical Results Summary - Soil Samples Below Cracks in Facility No. 1 Non-Permitted Concrete Floor (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Depth (ft)	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	CN	Lead	Mn	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Facility 1, Crack 1	8/31/04	0-0.5	<1	**17**	37	<4.3	**74**	7	7	10	<1	9.6	**2,300**	<0.2	7	<1	<0.5	<1	<2	10	34,800
		2-2.5	---	8	---	---	**404**	---	---	---	---	---	<1	---	---	---	---	---	---	---	<1
Facility 1, Crack 2	8/31/04	0-0.5	<1	**18**	109	<2.8	**72**	5	3	**73**	<1	86.8	**1,630**	**0.8**	5	**6**	<0.5	<1	<2	13	27,300
		2-2.5	---	8	---	---	**96**	---	---	4	---	---	<1	<0.2	---	<1	---	---	---	---	<1
Facility 1, Crack 3	8/31/04	0-0.5	<1	**17**	123	<3.8	**147**	6	4	37	<1	18.8	**690**	<0.2	8	<1	<0.5	<1	<2	13	25,300
		2-2.5	---	7	---	---	**210**	---	---	---	---	---	<1	---	---	---	---	---	---	---	<1
Soil Background Concentrations																					
0-0.5':				16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.8	0.89			7.65		(a)
2-2.5':				8.01			4.47			17.20		54.36	360.83		27.21						
unsaturated below 2.5':				21.86			4.97			16.15		38.96	592.50		29.74						
saturated soil sample:				9.8			3.64			18.26		30.92	686.68		25.86						
clay/silt strata:			0.77		720			14.9									0.54	1.02		35.6	
clean sand strata (SP/SW):			0.80		202			35.9									0.50	1.0		15.7	
TCEQ TRRP PCLs[b]																					
Residential $^{Tot}Soil_{Comb}$ Tier 1 PCL:[c]			15	24	2,800	37000	52	30000	3400	550	1600	500	3700	8.3	840	310	96	6.3	35000	290	9900
Commercial/Ind $^{Tot}Soil_{Comb}$ Tier 1 PCL:[c]			310	200	39,000	410000	850	95000	19000	38000	19000	1600	36000	19	8800	4800	1900	78	40000	2400	2.5E+05
Residential $^{GW}Soil_{Class\ 3}$ Tier 1 PCL:[d]			540	500	44,000		150	240000	1.3E+05	1E+05	4000	300	120000	210	16000	230	48	170	1E+06	340000	240000
Commercial/Ind $^{GW}Soil_{Class\ 3}$ Tier 1 PCL:[d]			540	500	44,000		150	240000	4E+05	1E+05	4000	300	1000000	210	47000	230	140	170	1E+06	1E+06	7E+05
Tier 1 Groundwater PCL (Class 3):[e]			0.6	1	200	1,200	0.5	10	150	130	20	1.5	110	0.2	49	5	12	0.2	1500	17	730

mg/kg	Milligrams per kilogram
CN	Cyanide
Mn	Manganese
SPLP	Synthetic precipitation leaching procedure
a	April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at the site. Therefore, zinc background level not given.
b	Texas Risk Reduction Program (TRRP) Tier 1 Protective Concentration Levels (PCLs) - 30 TAC Chapter 350.

Table 3. Analytical Results Summary - Soil Samples Below Cracks in Facility No. 1 Non-Permitted Concrete Floor (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Depth (ft)	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	CN	Lead	Mn	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc

c TRRP Tier 1 soil PCL for combined ingestion, dermal contact, inhalation of volatiles and particulates, and ingestion of above-ground and below-ground vegetables with constituents of concern (COCs) in soil. 0.5 acre source area.

d TRRP Tier 1 soil PCL for soil-to-groundwater leaching of COCs to saline (Class 3) groundwater. 0.5 acre source area.

e TRRP Tier 1 Groundwater PCL for Class 3 groundwater (total dissolved solids >10,000 mg/L).

* A concrete footing was encountered at Crack 2 at a depth of 2 feet. Therefore a soil sample was collected directly above the footing at a depth of 1.5-2 foot.

Notes: 1) Numbers in **bold** exceed TCEQ-approved background concentrations established for the site.

2) SPLP results parenthesized in *italics*.

3) Numbers **boxed** exceed the TRRP Tier 1 comm/ind PCL for $^{Tot}Soil_{Comb}$, and soil-to-groundwater leaching to Class 3 groundwater based on SPLP results.

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Fill/Alluvium Upgradient Monitor Wells																					
MW-3	01/30/86	---	---	0.007	---	---	---	---	---	0.01	---	<0.001	---	---	---	---	---	---	---	---	0.06
	01/30/87	---	---	0.009	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.02
	02/01/88	---	---	0.014	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	01/27/89	---	---	0.012	---	---	---	---	---	<0.01	---	0.003	---	---	---	---	---	---	---	---	0.06
	01/23/90	---	---	0.010	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.03
	01/09/91	---	---	0.006	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.03
	01/17/92	---	---	0.015	---	---	---	---	---	0.03	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	02/14/94	---	---	0.014	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.01
	01/30/95	---	---	0.013	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	0.03
	02/20/98	11,200*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	14,800**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/23/99	---	---	0.016	0.037	---	<0.01	<0.01	---	---	---	0.007	1.8	<0.0005	---	0.007	<0.005	---	---	---	---
	10/20/99	---	---	0.016	0.037	---	<0.01	<0.01	---	---	---	<0.01	2.5	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	0.011	0.043	---	0.008	<0.01	---	---	---	<0.02	1.3	<0.0005	---	0.012	<0.005	---	---	---	---
(dup-1)	01/27/00	---	---	0.008	0.051	---	0.005	<0.01	---	---	---	0.02	2.4	<0.0005	---	<0.01	<0.005	---	---	---	---
	04/25/00	14,870	---	0.016	0.043	---	<0.005	<0.01	---	---	---	0.009	1.8	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.7	---	<0.05	<0.01	---	<0.002	<0.05	0.065	0.18
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.8	---	<0.05	0.015	---	<0.002	<0.05	0.063	0.073
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	3.1	---	<0.05	0.015	---	<0.002	<0.05	0.066	0.12
	12/11/00	---	---	0.016	<0.05	---	<0.01	<0.01	---	---	---	<0.02	2.3	<0.0005	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	0.016	<0.05	---	<0.01	0.028	---	---	---	<0.02	1.4	<0.0005	---	0.012	<0.005	---	---	---	---
	12/12/01	---	---	0.015	0.036	---	<0.01	<0.01	---	---	---	<0.01	1.6	<0.0005	---	<0.01	<0.005	---	---	---	---
MW-10	04/29/99	9,238	---	0.026	0.55	---	0.018	0.08	---	---	---	0.11	1.9	0.00058	---	0.25	<0.005	---	---	---	---
	07/23/99	---	---	0.016	0.15	---	<0.01	0.028	---	---	---	0.03	1.2	<0.0005	---	0.16	<0.005	---	---	---	---
	10/20/99	---	---	0.025	0.074	---	<0.01	<0.01	---	---	---	0.013	6.6	0.00057	---	0.049	<0.005	---	---	---	---
	01/27/00	---	---	0.007	0.14	---	<0.01	0.021	---	---	---	0.032	3.6	<0.0005	---	0.12	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.9	---	<0.05	0.14	---	<0.002	<0.05	<0.05	0.62
	07/28/00	---	0.087	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	1.0	---	<0.05	0.22	---	<0.002	<0.05	<0.05	0.11
	08/17/00	---	<0.05	---	---	<0.05	---	0.02	<0.05	<0.05	<0.004	---	0.9	---	<0.05	0.21	---	<0.002	<0.05	0.056	0.36
	12/11/00	---	---	0.013	0.078	---	<0.01	<0.01	---	---	---	<0.02	0.34	<0.0005	---	0.17	<0.01	---	---	---	---
	06/14/01	---	---	0.03	0.054	---	0.01	<0.01	---	---	---	<0.02	1.1	<0.0005	---	0.28	<0.005	---	---	---	---
	12/12/01	---	---	0.02	0.028	---	<0.01	<0.01	---	---	---	<0.01	2.3	<0.0005	---	0.045	<0.005	---	---	---	---
Background Mean (x)[a]:			0.035	0.0157	0.125	0.05	0.0065	0.0177	0.05	0.05	0.004	0.0262	2.57	0.00032	0.05	0.068	0.0025	0.002	0.05	0.05	0.240
Background Standard Deviation (S):			0.025	0.0066	0.165	0	0.0045	0.0249	0	0	0	0.0329	1.68	0.00014	0	0.089	0	0	0	0.02	0.210
Background Upper Tolerance Interval (x = KS)[b]:			0.127[d]	0.036[c]	0.62[c]	0.05[d]	0.02[c]	0.093[c]	0.05[d]	0.05[d]	0.004[d]	0.126[c]	7.6[c]	0.0007[c]	0.05[d]	0.34[c]	0.0025[c]	0.002[d]	0.05[d]	0.12[d]	1.02[d]

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Fill/Alluvium Downgradient Wells																					
MW-2	01/30/86	---	---	0.011	---	---	---	---	---	0.01	---	0.006	---	---	---	---	---	---	---	---	0.06
	01/30/87	---	---	0.002	---	---	---	---	---	<0.01	---	0.005	---	---	---	---	---	---	---	---	0.03
	02/01/88	---	---	0.001	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	0.02
	01/27/89	---	---	0.002	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.003	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/09/91	---	---	0.004	---	---	---	---	---	<0.01	---	0.006	---	---	---	---	---	---	---	---	0.02
	01/17/92	---	---	0.005	---	---	---	---	---	**0.10**	---	0.006	---	---	---	---	---	---	---	---	0.05
	02/14/94	---	---	0.004	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	0.01
	01/30/95	---	---	0.004	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	02/20/98	66,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/00	---	<0.05	<0.005	0.081	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	2.9	<0.0005	<0.05	0.027	<0.01	<0.002	<0.05	<0.05	0.079
	07/28/00	---	<0.05	<0.009	0.069	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.6	<0.0005	<0.05	0.027	**0.02**	<0.002	<0.05	<0.05	<0.05
(dup)	07/28/00	---	<0.05	<0.009	0.072	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.6	<0.0005	<0.05	0.017	<0.005	**0.005**	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.008	0.072	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	3.1	<0.0005	<0.05	0.024	<0.005	<0.002	<0.05	<0.05	<0.05
MW-4	01/30/86	---	---	0.009	---	---	---	---	---	0.01	---	<0.001	---	---	---	---	---	---	---	---	0.08
	01/30/87	---	---	0.003	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	02/01/88	---	---	0.003	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.01
	01/27/89	---	---	0.001	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.002	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	<0.01
	01/09/91	---	---	0.001	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.02
	01/17/92	---	---	0.009	---	---	---	---	---	**0.09**	---	0.002	---	---	---	---	---	---	---	---	0.11
	02/14/94	---	---	0.002	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	<0.01
	01/30/95	---	---	0.001	---	---	---	---	---	0.01	---	0.001	---	---	---	---	---	---	---	---	0.01
	02/20/98	57,700*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	62,200**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	1.4	<0.0005	<0.05	0.016	<0.005	<0.002	<0.05	<0.05	0.063
(dup)	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	0.02	1.4	<0.0005	<0.05	0.016	<0.005	<0.002	**0.10**	<0.05	0.061
	07/28/00	---	<0.05	<0.009	<0.05	<0.05	0.02	<0.01	<0.05	<0.05	<0.004	<0.02	1.1	<0.0005	<0.05	0.03	<0.005	**0.011**	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.008	0.054	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	1.2	<0.0005	<0.05	0.022	<0.005	**0.007**	<0.05	<0.05	<0.05
MW-5	01/30/87	---	---	0.006	---	---	---	---	---	0.02	---	0.004	---	---	---	---	---	---	---	---	0.24
	02/01/88	---	---	0.011	---	---	---	---	---	<0.01	---	0.001	---	---	---	---	---	---	---	---	**1.6**
	01/27/89	---	---	0.003	---	---	---	---	---	<0.01	---	0.002	---	---	---	---	---	---	---	---	<0.01
	01/23/90	---	---	0.021	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	**9.5**
	02/16/90	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**2.3**
	01/09/91	---	---	0.009	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	0.03

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-5	01/17/92	---	---	0.004	---	---	---	---	---	**0.08**	---	<0.001	---	---	---	---	---	---	---	---	0.27
(cont.)	02/14/94	---	---	0.016	---	---	---	---	---	<0.01	---	<0.001	---	---	---	---	---	---	---	---	**6.4**
	01/30/95	---	---	0.017	---	---	---	---	---	<0.01	---	0.032	---	---	---	---	---	---	---	---	**10**
	06/30/00	---	<0.05	0.023	<0.05	<0.05	0.006	<0.01	<0.05	<0.05	<0.004	<0.02	**19**	<0.0005	<0.05	<0.01	**0.019**	<0.002	<0.05	<0.05	**6.6**
	07/28/00	---	<0.05	<0.009	<0.05	<0.05	**0.1**	<0.01	<0.05	<0.05	<0.004	<0.02	**20**	<0.0005	**0.08**	0.039	<0.005	**0.003**	<0.05	<0.05	**7.1**
	08/17/00	---	<0.05	<0.008	0.051	<0.05	**0.023**	<0.01	<0.05	<0.05	<0.004	<0.02	**12**	<0.0005	<0.05	0.03	<0.005	**0.004**	<0.05	<0.05	<0.05
MW-6	06/07/93	32,954	---	<0.02	---	---	0.005	---	---	<0.008	---	<0.02	0.48	---	<0.02	---	---	---	---	---	0.064
(dup)	06/07/93	---	---	<0.02	---	---	0.006	---	---	<0.008	---	<0.02	0.45	---	<0.02	---	---	---	---	---	0.075
	06/17/93	10,654	---	<0.02	---	---	**0.027**	---	---	0.035	---	0.028	0.5	---	<0.02	---	---	---	---	---	0.11
	06/24/93	9,717	---	<0.02	---	---	<0.008	---	---	<0.02	---	<0.02	0.8	---	<0.02	---	---	---	---	---	0.043
	02/20/98	22,000*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	32,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/99	---	---	<0.005	0.065	---	<0.01	<0.01	---	---	---	<0.02	0.52	<0.0005	---	<0.01	<0.005	---	---	---	---
	07/23/99	---	---	<0.005	0.024	---	<0.01	<0.01	---	---	---	<0.005	0.43	<0.0005	---	0.006	<0.005	---	---	---	---
	10/20/99	---	---	0.008	0.041	---	<0.01	<0.01	---	---	---	<0.01	0.50	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.11	---	<0.01	<0.01	---	---	---	0.036	0.61	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.46	---	<0.05	0.014	---	<0.002	<0.05	<0.05	0.065
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.46	---	<0.05	0.017	---	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.43	---	<0.05	0.034	---	<0.002	<0.05	<0.05	<0.05
(dup)	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.44	---	<0.05	0.026	---	<0.002	<0.05	<0.05	<0.05
	12/11/00	---	---	0.012	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.27	<0.0005	---	0.023	<0.01	---	---	---	---
	06/14/01	---	---	0.008	<0.05	---	<0.01	0.013	---	---	---	<0.02	0.34	<0.0005	---	0.014	<0.005	---	---	---	---
	12/12/01	---	---	0.01	0.045	---	<0.01	<0.01	---	---	---	<0.01	0.28	<0.0005	---	<0.01	<0.005	---	---	---	---
MW-8	04/29/99	---	---	0.006	0.16	---	<0.01	<0.01	---	---	---	<0.02	0.45	<0.0005	---	0.011	<0.005	---	---	---	---
	07/23/99	---	---	0.012	0.12	---	<0.01	<0.01	---	---	---	0.006	0.27	**0.00082**	---	0.17	<0.005	---	---	---	---
	10/20/99	---	---	0.007	0.076	---	<0.01	<0.01	---	---	---	<0.01	0.48	<0.0005	---	0.13	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.049	---	<0.01	<0.01	---	---	---	<0.02	0.62	<0.0005	---	0.02	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.77	---	<0.05	<0.01	---	<0.002	**0.84**	<0.05	0.17
	07/28/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.48	---	<0.05	0.031	---	<0.002	<0.05	<0.05	0.059
	08/17/00	---	<0.05	---	---	<0.05	---	<0.01	<0.05	<0.05	<0.004	---	0.62	---	<0.05	0.025	---	<0.002	<0.05	<0.05	0.097
	12/11/00	---	---	<0.005	0.10	---	<0.01	<0.01	---	---	---	0.032	0.61	**0.00082**	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	0.011	0.075	---	<0.01	<0.01	---	---	---	<0.02	0.63	<0.0005	---	0.024	<0.005	---	---	---	---
(dup)	06/14/01	---	---	0.013	0.051	---	<0.01	<0.01	---	---	---	<0.02	0.62	<0.0005	---	0.021	<0.005	---	---	---	---
	12/12/01	---	---	0.015	0.037	---	<0.01	<0.01	---	---	---	<0.01	0.14	<0.0005	---	0.28	<0.005	---	---	---	---

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-9	04/29/99	---	---	0.02	0.5	---	<0.01	0.063	---	---	---	0.053	1.8	0.00044	---	<0.01	<0.005	---	---	---	---
	07/23/99	---	---	0.015	0.039	---	<0.01	<0.01	---	---	---	<0.005	0.62	<0.0005	---	<0.005	<0.005	---	---	---	---
	10/20/99	---	---	0.017	0.029	---	<0.01	<0.01	---	---	---	<0.01	1.1	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	0.045	---	<0.01	<0.01	---	---	---	<0.02	0.56	<0.0005	---	<0.01	<0.005	---	---	---	---
	06/30/00	---	<0.05	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.57	---	<0.05	<0.01	---	<0.002	**0.27**	0.058	0.3
	07/28/00	---	**0.18**	---	---	<0.05	---	---	<0.05	<0.05	<0.004	---	0.33	---	<0.05	0.02	---	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	0.052	---	---	<0.05	---	0.017	<0.05	<0.05	<0.004	---	0.49	---	<0.05	0.029	---	<0.002	<0.05	0.057	0.26
	12/11/00	---	---	0.012	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.21	<0.0005	---	0.011	<0.01	---	---	---	---
(dup)	12/11/00	---	---	0.014	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.2	<0.0005	---	0.011	<0.01	---	---	---	---
	06/14/01	---	---	0.017	0.057	---	0.01	<0.01	---	---	---	<0.02	0.43	<0.0005	---	0.016	<0.005	---	---	---	---
	12/12/01	---	---	0.025	0.043	---	<0.01	<0.01	---	---	---	<0.01	0.77	<0.0005	---	<0.01	<0.005	---	---	---	---
(dup)	12/12/01	---	---	0.025	0.05	---	<0.01	<0.01	---	---	---	<0.01	0.81	<0.0005	---	<0.01	<0.005	---	---	---	---
Beaumont Formation Monitor Wells																					
MW-7	06/07/93	6,646	---	0.033	---	---	<0.003	---	---	0.008	---	<0.02	0.44	---	<0.02	---	---	---	---	---	0.026
	06/17/93	7,026	---	0.022	---	---	**0.056**	---	---	0.01	---	<0.02	0.3	---	<0.02	---	---	---	---	---	0.26
	06/24/93	7,068	---	0.02	---	---	<0.008	---	---	<0.02	---	<0.02	0.35	---	<0.02	---	---	---	---	---	0.013
(dup)	06/24/93	7,101	---	0.024	---	---	<0.008	---	---	<0.02	---	<0.02	0.38	---	<0.02	---	---	---	---	---	0.014
	02/20/98	7,680*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/20/98	8,540**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/01	---	<0.05	**0.044**	0.085	<0.05	<0.01	<0.1	<0.05	<0.05	<0.004	<0.02	0.16	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	**0.051**	0.062	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.17	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	**0.063**	0.07	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.019	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-11	12/11/01	---	<0.05	<0.005	0.12	**0.059**	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	**7.7**	<0.0005	<0.05	0.015	<0.005	<0.002	<0.05	<0.05	0.18
	01/16/02	---	<0.05	0.006	0.066	<0.05	<0.01	<0.01	<0.05	<0.05	**0.039**	<0.02	6.2	<0.0005	**0.053**	<0.01	<0.005	<0.002	<0.05	<0.05	0.06
	02/12/02	---	<0.05	<0.005	0.066	<0.05	<0.01	<0.01	<0.05	**0.061**	<0.004	<0.02	7.3	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-12	12/27/01	---	<0.05	0.023	0.11	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.13	<0.0005	<0.05	0.27	<0.005	<0.002	<0.05	<0.05	0.092
	01/16/02	---	<0.05	0.032	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.071	<0.0005	<0.05	**0.40**	<0.005	<0.002	<0.05	<0.05	0.062
(dup)	01/16/02	---	<0.05	0.029	0.16	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.21	<0.0005	<0.05	0.31	<0.005	<0.002	<0.05	0.054	0.19
	02/12/02	---	<0.05	0.035	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.064	<0.0005	<0.05	**0.38**	<0.005	<0.002	<0.05	<0.05	<0.05
MW-13	12/11/01	---	<0.05	0.006	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.14**	<0.02	0.2	<0.0005	<0.05	0.28	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	0.012	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.065	<0.0005	<0.05	**0.49**	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	0.016	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.037	<0.0005	<0.05	**0.42**	<0.005	<0.002	<0.05	<0.05	<0.05
(dup)	02/12/02	---	<0.05	0.017	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.043	<0.0005	<0.05	**0.44**	<0.005	<0.002	<0.05	<0.05	<0.05

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
MW-14	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.18	<0.0005	<0.05	0.067	<0.005	<0.002	<0.05	<0.05	0.06
	01/16/02	---	<0.05	0.009	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.077	<0.0005	<0.05	0.12	<0.005	<0.002	<0.05	<0.05	0.089
	02/12/02	---	<0.05	0.009	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.034	<0.0005	<0.05	0.11	<0.005	<0.002	<0.05	<0.05	0.053
MW-15	12/11/01	---	<0.05	0.012	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.23**	<0.02	2.0	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	0.027	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	2.7	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	0.018	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	3.1	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-16	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.05	0.00056	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.012	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
MW-17	12/11/01	---	<0.05	<0.005	0.11	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.17	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.081
(dup)	12/11/01	---	<0.05	0.013	0.13	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.83	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.084
	01/16/02	---	<0.05	0.026	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.50	<0.0005	<0.05	0.011	<0.005	<0.002	<0.05	<0.05	0.069
	02/12/02	---	<0.05	0.024	<0.05	<0.05	<0.01	0.01	<0.05	<0.05	<0.004	<0.02	0.46	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.160
MW-18	12/11/01	---	<0.05	<0.005	0.24	<0.05	<0.01	0.041	<0.05	**0.056**	<0.004	0.039	0.55	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.086	0.71
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.064	<0.005	<0.002	<0.05	<0.05	0.36
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.021	<0.0005	<0.05	0.043	<0.005	<0.002	<0.05	<0.05	0.36
	7/19/02***	---	<0.05	0.006	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	0.037	<0.005	<0.002	<0.05	<0.05	0.42
MW-19	12/11/01	---	<0.05	<0.005	0.2	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.83	<0.0005	<0.05	0.022	<0.005	<0.002	<0.05	0.086	0.11
	01/16/02	---	<0.05	0.005	0.064	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.55	<0.0005	<0.05	0.050	<0.005	<0.002	<0.05	0.069	<0.05
	02/12/02	---	<0.05	<0.005	0.068	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.44	<0.0005	<0.05	0.032	<0.005	<0.002	<0.05	0.071	<0.05
MW-20	12/11/01	---	<0.05	<0.005	0.069	<0.05	<0.01	0.029	<0.05	<0.05	<0.004	<0.02	0.36	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	0.056	<0.05	<0.01	0.012	<0.05	<0.05	<0.004	<0.02	0.13	<0.0005	<0.05	0.020	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	0.010	<0.05	<0.05	<0.004	<0.02	0.036	<0.0005	<0.05	0.014	<0.005	<0.002	<0.05	<0.05	<0.05
MW-21	12/11/01	---	<0.05	<0.005	0.07	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.51	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.062	<0.05
	01/16/02	---	<0.05	0.010	0.087	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.39	<0.0005	<0.05	0.011	<0.005	<0.002	<0.05	0.11	<0.05
	02/12/02	---	<0.05	0.011	0.084	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	0.24	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	0.11	<0.05

Table 4. Analytical Results Summary - Groundwater (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

Well	Sample Date	TDS	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Field	04/29/99	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
Blank	06/30/00	---	<0.05	<0.005	<0.05	<0.05	<0.005	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	0.077
	07/28/00	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	08/17/00	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	**0.006**	<0.05	<0.05	<0.05
	12/11/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.05	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	12/12/01	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/27/01	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	01/16/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
	07/19/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
Trip	07/23/99	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.005	<0.015	<0.0005	---	<0.005	<0.005	---	---	---	---
Blank	10/20/99	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.01	<0.0005	---	<0.01	<0.005	---	---	---	---
	01/27/00	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	0.02	<0.0005	---	<0.01	<0.005	---	---	---	---
	04/25/00	---	---	<0.005	<0.01	---	<0.005	<0.01	---	---	---	<0.005	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/11/00	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.01	---	---	---	---
	06/14/01	---	---	<0.005	<0.05	---	<0.01	<0.01	---	---	---	<0.02	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	12/12/01	---	---	<0.005	<0.01	---	<0.01	<0.01	---	---	---	<0.01	<0.015	<0.0005	---	<0.01	<0.005	---	---	---	---
	02/12/02	---	<0.05	<0.005	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.004	<0.02	<0.015	<0.0005	<0.05	<0.01	<0.005	<0.002	<0.05	<0.05	<0.05
TNRCC RRS2 MSCs[e]																					
Adjusted GW (mg/L):			0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

* Sample collected with Teflon bailer from top of water column in well bore.

** Sample collected with bottom-filling Teflon bailer from base of well bore.

*** Sample collected on July 19, 2002 following a release of stormwater from a broken PVC pipe near the South Demin Tank. Stormwater flowed to the monitor well MW-18 area.

--- Not analyzed

dup Duplicate

TDS Total dissolved solids

a Non-detects were assigned a value of one-half the detection limit, except when all observations were non-detectable the detection limit was used as the constituent concentration.

b K=Tolerance factor for one-sided normal tolerance interval with 0.95 probability level (U.S. EPA, Feb. 1989)

c Background data for arsenic, barium, cadmium, chromium, lead, maganese, mercury, selenium, and silver taken from monitor wells MW-3 and MW-10 during the first year of quarterly groundwater monitoring (April 1999 - April 2000) as part of the East and West Lagoons groundwater monitoring program.

d Background data for antimony, bismuth, cobalt, copper, cyanide, manganese, nickel, selenium, thallium, tin, vanadium, and zinc taken from monitor wells MW-3 and MW-10 during the RFI monthly groundwater sampling events conducted during June, July, and August 2000.

e Adjusted Risk Reduction Standard No. 2 (RRS2) medium specific concentration (MSC) for groundwater (adjusted for saline groundwater).

Note: Numbers in **bold** indicate concentrations above the background upper tolerance limit.

FIGURES

17°17'39"

PLANT NORTH

TRUE NORTH

0 30 60 120 240

GRAPHIC SCALE IN FEET

CORPUS CHRISTI SHIP CHANNEL

RIPRAP BOULDERS

CARGILL ROAD

ANNUAL ROAD

BURIED DUCT

WEST LAGOON

LAGOON

EAST LAGOON

WEIR

OUTFALL 002

01 LANDFILL

LIMIT OF 01 LANDFILL

LAGOON PUMP

LAGOON PUMP

PRODUCT STORAGE NORTH TRACKS

100' RAILROAD RIGHT OF WAY

STORMWATER SUMP PUMPS

ROAD LEADING TO THE WEST OF BUILDING 'C'

RAIL CAR WASH AREA

100–150' RAILROAD RIGHT–OF–WAY

RAILROAD TRACKS AREA

DRUM SHREDDER

PRODUCTS STORAGE BUILDING 'C'

CONCRETE DIKE

EARTHEN/GRAVEL

NEUTRALIZING PLANT

REACTOR/CLARIFIER

B43

B44

OUTFALL 001 SAMPLE POINT

SLUDGE DRYING BEDS

CHLORINATOR

PUMP HOUSE

YARD OFFICES

CONCRETE DIKE

NEW REACTOR CLARIFIER

SULFURIC ACID

RAILCAR CLEANING

PRODUCT STORAGE

PRODUCT STORAGE (NUMBERED BINS)

BONE YARD

RAILCAR LOADING

WASTE STORAGE BUILDING 'B'

NORTH DEMIN TANK

OIL HOUSE

FEED TANK #1

TANK 485260

OLD CASTING BUILDING

PRODUCT STORAGE

PRODUCT STORAGE

GRAIN ELEVATOR

COOLING TOWER

FACILITY NO.3

FORMER 3–SIDED BIN

REAGENT STORAGE

RESIDUE FILTER & DRYING

SAMPLE PORT

SCALE HOUSE

CRUSHING & DRYING

REAGENT STORAGE

ACID STORAGE TANK FARM

N. 781750

E. 2334397

MAINTENANCE EQUIPMENT SHOP

TRAINING OFFICE

COTTREL

FACILITY NO.2

FEED TANK #2

SOUTH DEMIN TANK

WAREHOUSE STORAGE

CELL HOUSE

C.P. & L. SUB–STATION

OUTDOOR SWITCH GEAR TRANSFORMER

PLANT ENGINEERING

OUTDOOR SWITCH GEAR TRANSFORMER

C.P. & L. SUB–STATION

STORAGE SLAB

MIST PRECIPITOR

COOLING TOWERS

UTILITIES

DEMIN OVERFLOW TANK

FACILITY No. 1

ACID PLANT

SUB STATION

ADMINISTRATIVE OFFICES

VISITOR CENTER

WASTE PILE

WAREHOUSE STORAGE

MAINTENANCE SHOP

CHANGE HOUSE

ADMINISTRATIVE OFFICES

GUARD HOUSE

ADMINISTRATIVE OFFICES & LAB

N. 781317.42

E. 2334119.94

N. 780940.69

E. 2333986.63

PROPERTY LINE

PLANT ENTRANCE

SHELL (UPRIVER) ROAD

SHELL (UPRIVER) ROAD

McBRIDE LANE

PROPERTY LINE

G

VACANT LOT (GRASS)

SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE					

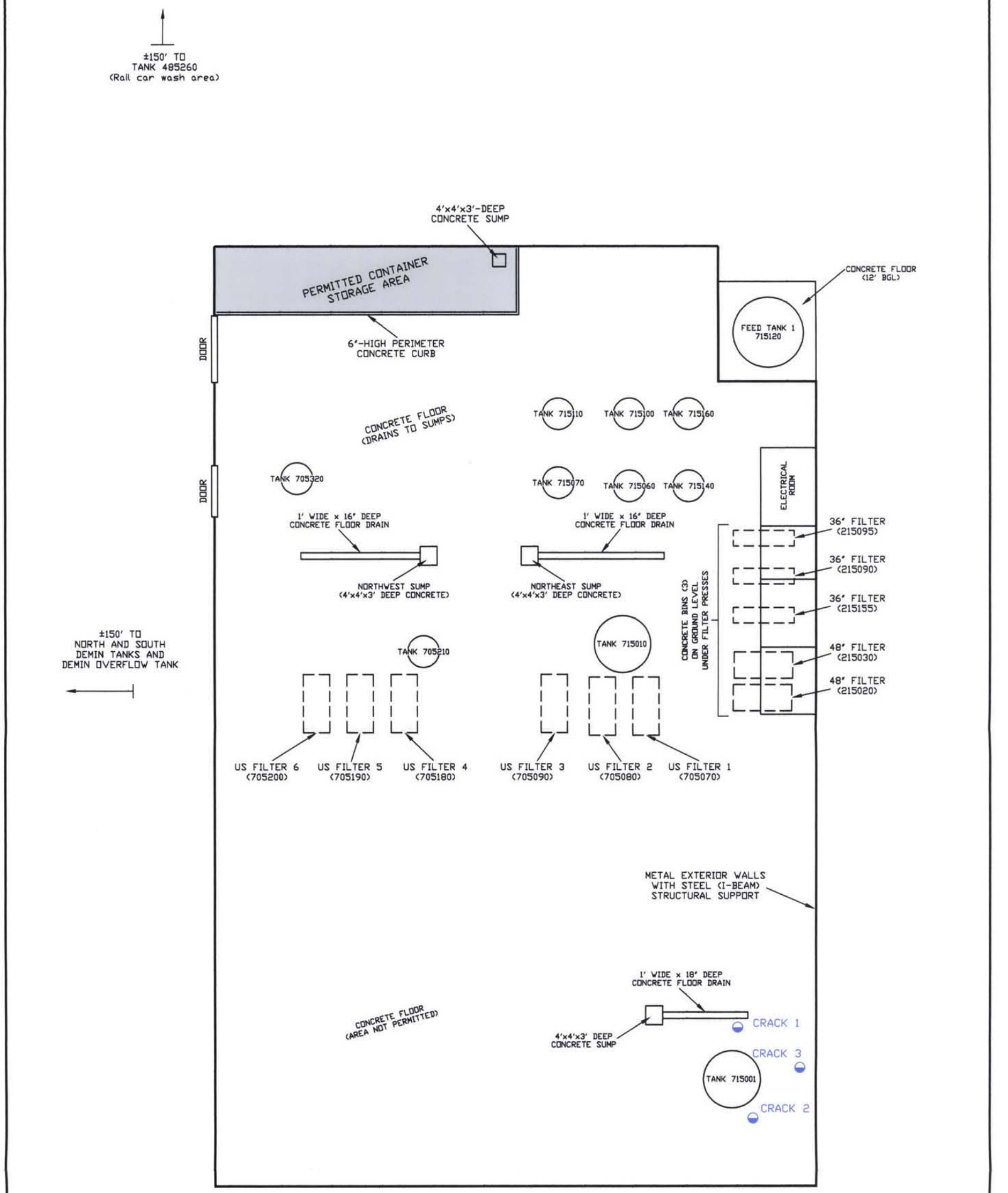
PROJECT NO.: CC0000.0.0000		FILE NO.:	
DRAWING: FAC-1-EXTDWG		PLOT SIZE: 1=1000	
DRAFTED BY:	DATE:		
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		

SITE MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 1

DWG DATE: 14SEPT04	PRJCT NO.:	FILE:	DRAWING: FACILITY 1 BUILDING	CHECKED: K. BRANDNER	APPROVED: K. BRANDNER	DRAFTER: LGF



ARCADIS

FACILITY NO. 1 BUILDING
PLAN VIEW

ENCYCLE/TEXAS
CORPUS CHRISTI, TEXAS

FIGURE
2

LEGEND

- MONITOR WELL LOCATION
- 6.08' WATER LEVEL ELEVATION (feet NGVD)
- GROUNDWATER FLOW DIRECTION
- PROPERTY BOUNDARY
- NOTE: GEOLOGIC UNITS TAKEN FROM "GEOLOGIC ATLAS OF TEXAS, CORPUS CHRISTI SHEET", 1975.

GRAPHIC SCALE IN FEET

CORPUS CHRISTI SHIP CHANNEL

MW-4 0.88'
MW-5 1.17'
MW-2 1.16'
MW-9 1.91'
MW-8 2.21'
MW-6 2.16'
MW-10 6.08'
MW-15 4.67'
MW-12 3.23'
MW-11 2.93'
MW-13 8.01'
MW-14 7.09'
MW-17 6.29'
MW-18 6.44'
MW-19 6.68'
MW-3 6.70'
MW-21 6.79'
MW-20 6.82'
MW-16 6.74'
MW-7 5.90'

2' 3' 4' 5' 6' 7'

FILL / ALLUVIUM

BEAUMONT FORMATION

WEST LAGOON
EAST LAGOON
01 LANDFILL
AREA EXCAVATED FOLLOWING NOV. 6, 1992 ADMINISTRATIVE ORDER
RAILROAD TRACKS AREA
BONE YARD
PRODUCTS STORAGE BUILDING 'C'
FORMER 3-SIDED BIN
FACILITY NO.3 LIQUID/SOLIDS HANDLING
FACILITY No. 3
FACILITY NO.2 SOLIDS HANDLING
FACILITY No. 1
ADMINISTRATIVE OFFICES & LAB
CELL HOUSE
OLD CASTING BUILDING
PRODUCT STORAGE
WASTE PILE
GRAIN ELEVATOR
McBRIDE LANE
PROPERTY LINE
SHELL (UPRIVER) ROAD
FEED TANK #2
SOUTH DEMIN TANK
NORTH DEMIN TANK
NEW REACTOR CLARIFIER
NEW CONDENSER STORAGE AREA
WASTE STORAGE BUILDING "B"
NOB 45 BUILDING
STORAGE SLAB
WAREHOUSE STORAGE
SPENT STORAGE
COOLING TOWERS
SLUDGE DRYING BEDS
CHLORINATOR
CLARIFIER
PUMP HOUSE
SUBSTATION
C.P. & L. SUB-STATION
PLANT ENGINEERING
OUTDOOR SWITCH GEAR TRANSFORMER
ACID STORAGE TANK FARM
MAINTENANCE ENG. SHOP
GUARD HOUSE
PLANT ENTRANCE
SCALE HOUSE
LAGOON PUMP
OUTFALL 001 SAMPLE POINT
OUTFALL 002
RAILCAR LOADING
RAILCAR CLEANING
SULFURIC ACID
CAUSTIC TANK
SULFURIC ACID TANK
CAUSTIC TANK
UTILITIES
OIL HOUSE
TRUCK UNLOADING AREA
REAGENT STORAGE
FORMER SLUDGE DRYING BEDS
EARTHEN/GRAVEL
CONCRETE DRIVE
YARD OFFICES
STORMWATER POND
REACTOR/CLARIFIER
THICKENER TANK
NEUTRALIZER TANK
PH ADJUSTMENT TANK
EAST CONDENSER STORAGE AREA
100-150' RAILROAD RIGHT-OF-WAY
THICKENERS #1 #2 #3
INFLUENT TK
TRANSFER TANKS
SPENT CELL HOUSE
ADMINISTRATIVE OFFICES
VISITOR CENTER
WAREHOUSE STORAGE
MAINTENANCE SHOP
CRANE HOUSE
SUB STATION
ACID POND
N. 781587.42 E. 2334192.94
N. 780940.69 E. 2335328.63

ARCADIS

SCALE VERIFICATION	REV. NO.	DATE	DESCRIPTION	BY	APPR.
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE					

PROJECT NO.:	C000087.0004	FILE NO:	
DRAWING:	VTS-02-FIG3	PLOT SIZE:	1"=1320
DRAFTED BY:		DATE:	28MAR04
CHECKED BY:		DATE:	
APPROVED BY:		DATE:	

WATER TABLE MAP FEBRUARY 11, 2002

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 3

APPENDIX A

Appendix A

Unit Descriptions

TABLE 5

UNIT DECONTAMINATION REQUIREMENTS AND REGULATORY STATUS

CONSENT DECREE REF. No.[1]	FAC. No.	ENCYCLE NAME	EQUIPMENT No.	HISTORIC USE	TRANSITIONAL DECON	FINAL CLOSURE
T-1	1	Baby Tank	705001	HW Transfer & Filtrate	Y	Y
T-13	1	US Filter Feed	705210	WWPT & Filter Feed	Y	Y
T-20	1	Steel Tank	705320	IND/HW PPT	Y	Y
T-31	1	48" Filter Feed	715010	HW	Y	Y
T-33	1	5060	715060	HW PPT	Y	Y
	1	5070	715070	HW PPT	Y	Y
T-37	1	5100	715100	HW PPT	Y	Y
T-38	1	5110	715110	HW PPT	Y	Y
T-40	1	5140	715140	HW PPT	Y	Y
T-41	1	5160	715160	HW PPT	Y	Y
	1	Feed Tank 1	715120	HW Receiving	Y	Y
T-63	2	Filter Feed Splitter Box	655160	HW Process Distrib.	Y	Y
T-64	2	RMA - North	605036	HW Leach	Y	Y
T-65	2	RMA - South	605037	HW Leach	Y	Y
T-66	2	Leach Tank 1	605038	HW Leach	Y	Y
T-67	2	Leach Tank 2	605039	HW Leach	Y	Y
T-68	2	Leach Tank 3	605040	HW Leach	Y	Y
T-69	2	Leach Tank 4	605041	Leach Tank Nickel "A"	Y[2]	Y
T-70	2	Surge Tank	605046	HW Processing	Y	Y
T-73	2	Blue FRP North	625016	IND Waste Processing Tank	Y	Y
T-74	2	Blue FRP South	625018	IND Waste Processing Tank	Y	Y
T-75	2	Thickener 1	655058	WWPT	Y [2]	Y
T-76	2	Thickener 2	655059	WWPT	Y[2]	Y

CONSENT DECREE REF. No.[1]	FAC. No.	ENCYCLE NAME	EQUIPMENT No.	HISTORIC USE	TRANSITIONAL DECON	FINAL CLOSURE
T-77	2	Thickener 3	655060	WWPT	Y[2]	Y
T-78	2	Thickener 4	655061	Product Thickening Nickel "A"	Y[2]	Y
T-79	2	Thickener 5	655062	Product Thickening	Y	Y
T-80	2	Thickener 6	655063	Product Thickening	Y	Y
T-83	2	Thickener 4 O'Flow	655122	Thickener O'Flow	Y	Y
T-87	2	Mix	655151	IND/HW Processing	Y	Y
T-93	2	Transfer Tank	655163	Transfer	Y[2]	Y
T-96	2	Feed Tank 2	655170	HW Receiving	Y	Y
T-111	2	Thickener 1 & 2 O'flow	825203	WWPT	Y[2]	Y
T-112	2	Thickener 3 O'flow	825208	WWPT	Y[2]	Y
T-114	2	Thickener 6 O'flow	825220	Thickener O'Flow	Y	Y
T-115	2	Thickener 5 O'flow	825222	Thickener O'Flow	Y	Y
T-116	3	5005	695005	HW Filtrate Storage	Y	Y
T-117	3	Process Tank 16	695016	Baghouse Dust	Y	Y
T-118	3	Process Tank 17	695017	Baghouse Dust	Y	Y
T-119	3	Process Tank 18	695018	Baghouse Dust	Y	Y
T-120	3	Process Tank 19	695019	ZN/CD Solution	Y	Y
T-126	3	Cone Bottom	695096	Sump Collection	Y	Y
T-127	3	Slurry Tank North	695107	Baghouse Dust	Y	Y
T-128	3	Slurry Tank South	695108	Baghouse Dust	Y	Y
T-157	O	HW /NHW & Reagent East	485250	HW /NHW & Reagent	Y	Y
T-158	O	HW /NHW & Reagent West	485260	HW /NHW & Reagent	Y	Y

CONSENT DECREE REF. No.[1]	FAC. No.	ENCYCLE NAME	EQUIPMENT No.	HISTORIC USE	TRANSITIONAL DECON	FINAL CLOSURE
F-18	2	Vacuum Belt Filter	225040	Not In Use	Y	Y
F-19	3	Drum Filter	235027	Drum Filter	Y	Y
F-20	3	Drum Filter	235028	Drum Filter	Y	Y
LB-1		Bin A		Baghouse & NH Lead	Y	Y
LB-2		Bin B		GM O'Size Feed	Y	Y
LB-3		Bin C		HW Zinc Hydroxide	Y	Y
LB-4		Bin D		Baghouse Dust	Y	Y
LB-5		Bin E		Nickel & HW Copper	Y	Y
LB-6		Bin F		GM Product	Y	Y
LB-7		Bin G		HW Chrome	Y	Y
LB-8		Bin GG		HW Nickel/Chrome	Y	Y
LB-9		Bin H		GM Feed	Y	Y
LB-10		Bin K		HW Lead Sulfate	Y	Y
LB-11		Bin L		GM Product	Y	Y
LB-12		Bin M		HW Zinc Hydroxide	Y	Y
LB-13		Bin N		Baghouse Dust	Y	Y
LB-14		Bin P		GM Product	Y	Y
LB-15		Bin R		HW Lead Sulfate	Y	Y
LB-16		Bin S		GM Feed	Y	Y
NB-1		Bin 1		Nickel "B"	Y	Y
NB-2		Bin 2		Nickel "A"	Y	Y
NB-3		Bin 3		Iron Reagent	Y	Y
NB-4		Bin 4		HW Copper	Y	Y
NB-5		Bin 5		NH Copper	Y	Y
NB-6		Bin 6		HW Copper	Y	Y
NB-7		Bin 11		HW Precious	Y	Y
NB-8		Bin 12		Tin & Nickel	Y	Y
D-1	2		# 1	Wastewater sludge and Nickel "A" Drying	Y[2]	Y

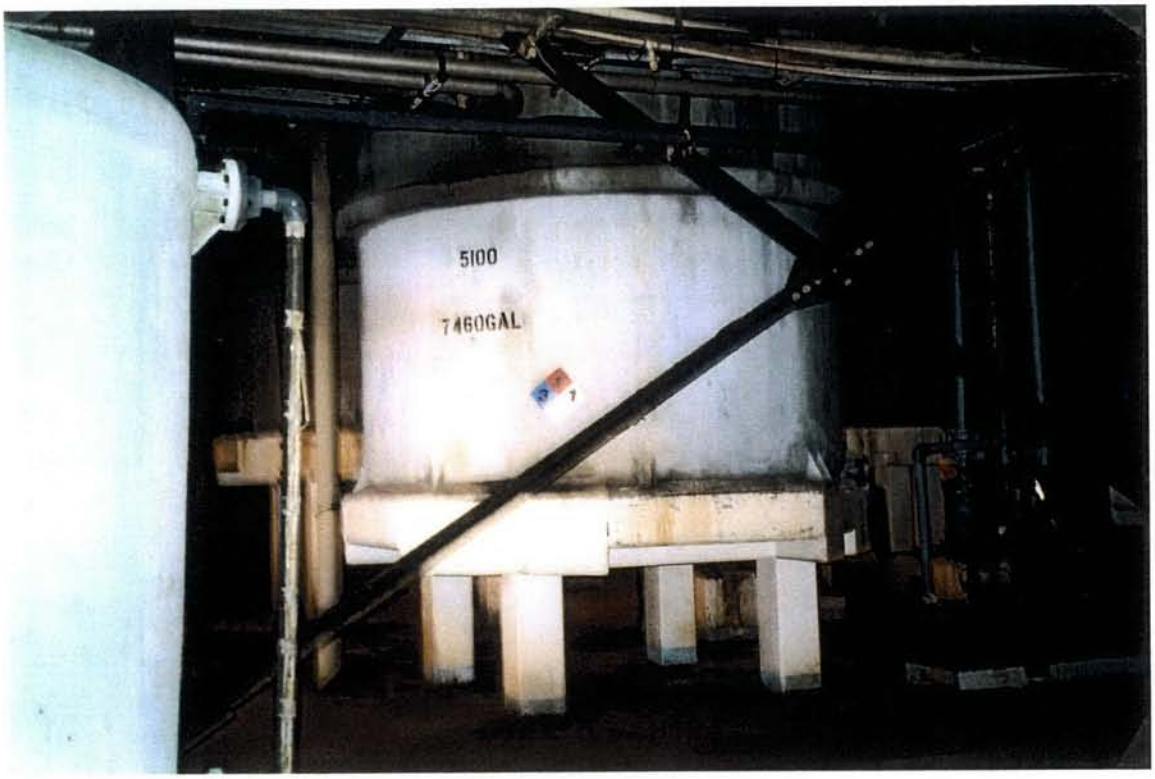
[1] Quick reference numbers for Consent Decree purposes
T - Tank
F - Filtration Equipment

CONSENT DECREE REF. No.[1]	FAC. No.	ENCYCLE NAME	EQUIPMENT No.	HISTORIC USE	TRANSITIONAL DECON	FINAL CLOSURE
	PH	Demin O'flow Tank	225001	Storm Water	Y[3]	Y
T-171	PH	Demin Tank North	226020	Reclaim Storm Water	Y[3]	Y
T-172	PH	Demin Tank South	226022	Reclaim Storm Water	Y[3]	Y
F-1	1	48" Press	215030	Reclaim Material & WWPT	Y	Y
F-2	1	48" Press	215020	Reclaim Material & WWPT	Y	Y
F-3	1	36" Press	215095	Reclaim Material & WWPT	Y	Y
F-4	1	36" Press	215090	Reclaim Material & WWPT	Y	Y
F-5	1	36" Press	215155	Reclaim Material & WWPT	Y	Y
	1	36" Silver Press	215130	Reclaim Material & WWPT	Y	Y
F-8	1	US Filter 1	705070	Reclaim Material & WWPT	Y	Y
F-9	1	US Filter 2	705080	Reclaim Material & WWPT	Y	Y
F-10	1	US Filter 3	705090	Reclaim Material & WWPT	Y	Y
F-11	1	US Filter 4	705180	Reclaim Material & WWPT	Y	Y
F-12	1	US Filter 5	705190	Reclaim Material & WWPT	Y	Y
F-13	1	US Filter 6	705200	Reclaim Material & WWPT	Y	Y
F-14	2	Drum Filter 1	225088	Wastewater sludge and Nickel "A" Dewatering	Y[2]	Y
F-15	2	Drum Filter 2	225089	Wastewater sludge and Nickel "A" Dewatering	Y[2]	Y
F-16	2	Drum Filter 3	225090	Wastewater sludge and Nickel "A" Dewatering	Y[2]	Y
F-17	2	48" Filter Press	225045	GM Dewatering	Y	Y

APPENDIX B

Appendix B

Site Photographs

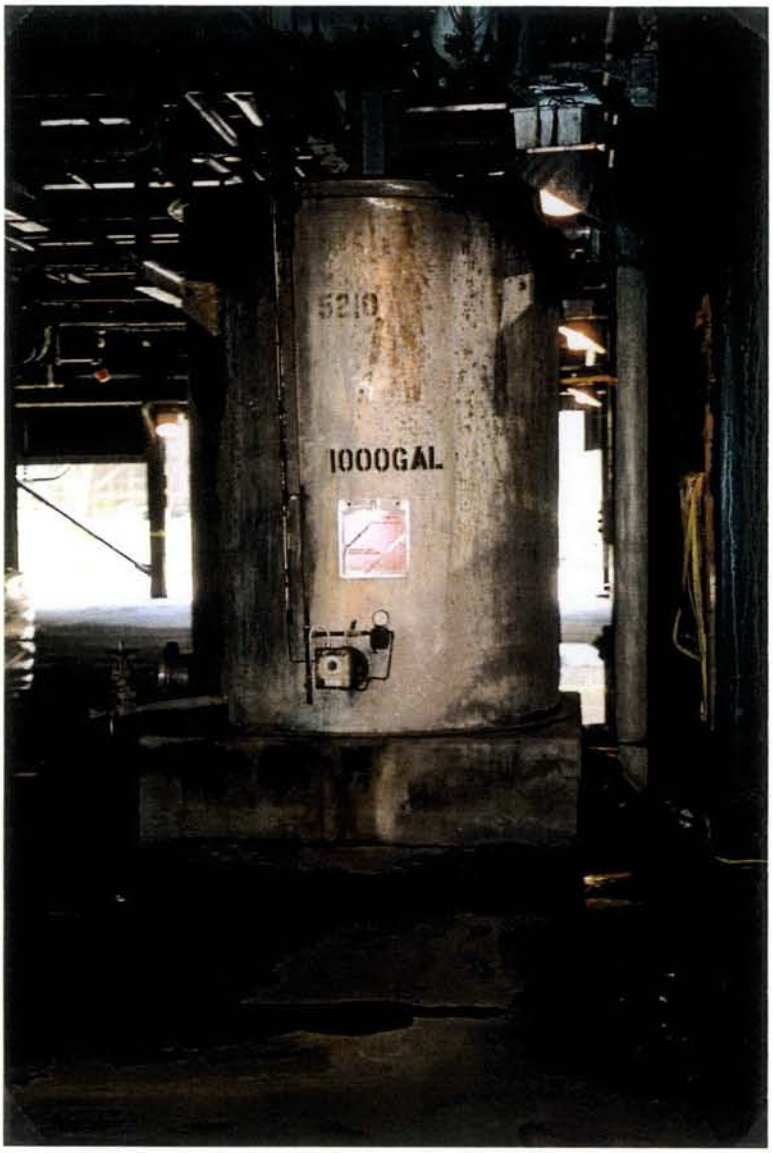


Photograph No. 1. Facility 1 Tank 715100, view facing southwest. Photograph taken by K. Brandner, September 9, 2004.

Photograph No. 2. Facility 1 Tank 715070 (left), Tank 715060 (center) and Tank 715140 (right of center), view facing northeast. Photograph taken by K. Brandner, September 9, 2004.

Photograph No. 3. Facility 1 Tank 705001 (Baby Tank), view facing northwest. Photograph taken by K. Brandner, September 9, 2004.

Photograph No. 4. Facility 1 Tank 705320, view facing southwest. Photograph taken by K. Brandner, September 9, 2004.

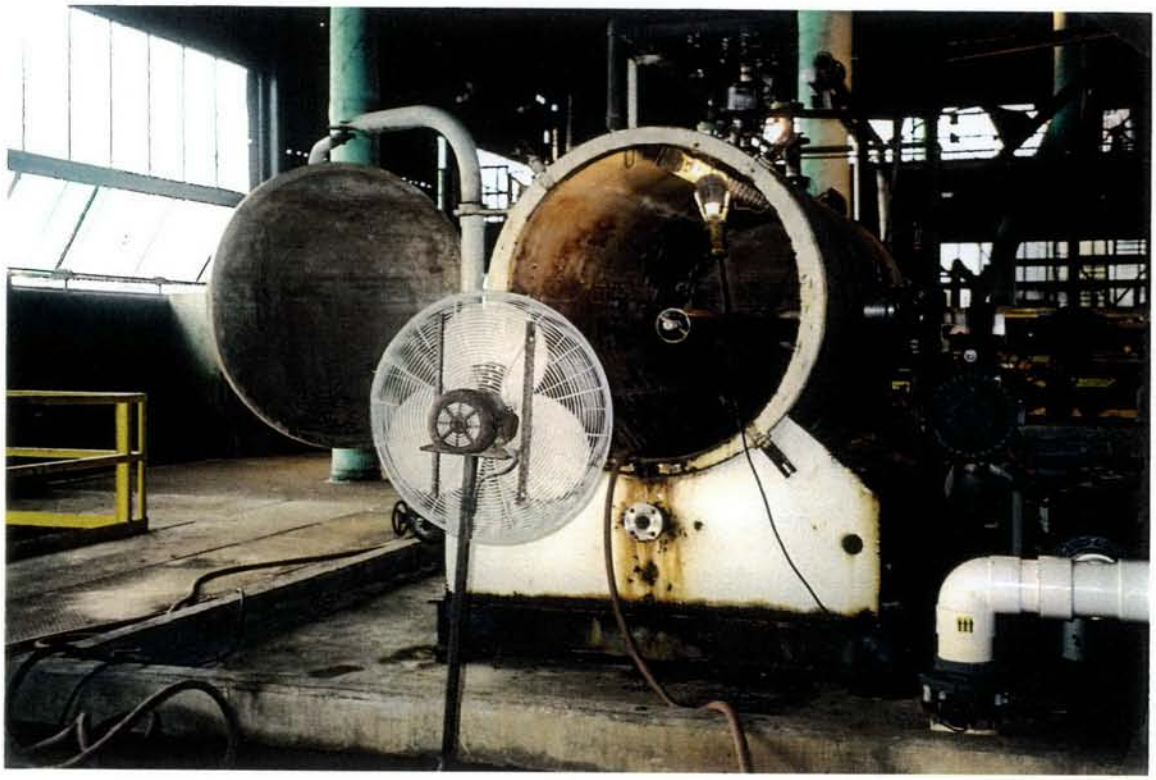


Photograph No. 5. Facility 1 Tank 705210, view facing west. Photograph taken by K. Brandner, September 9, 2004.

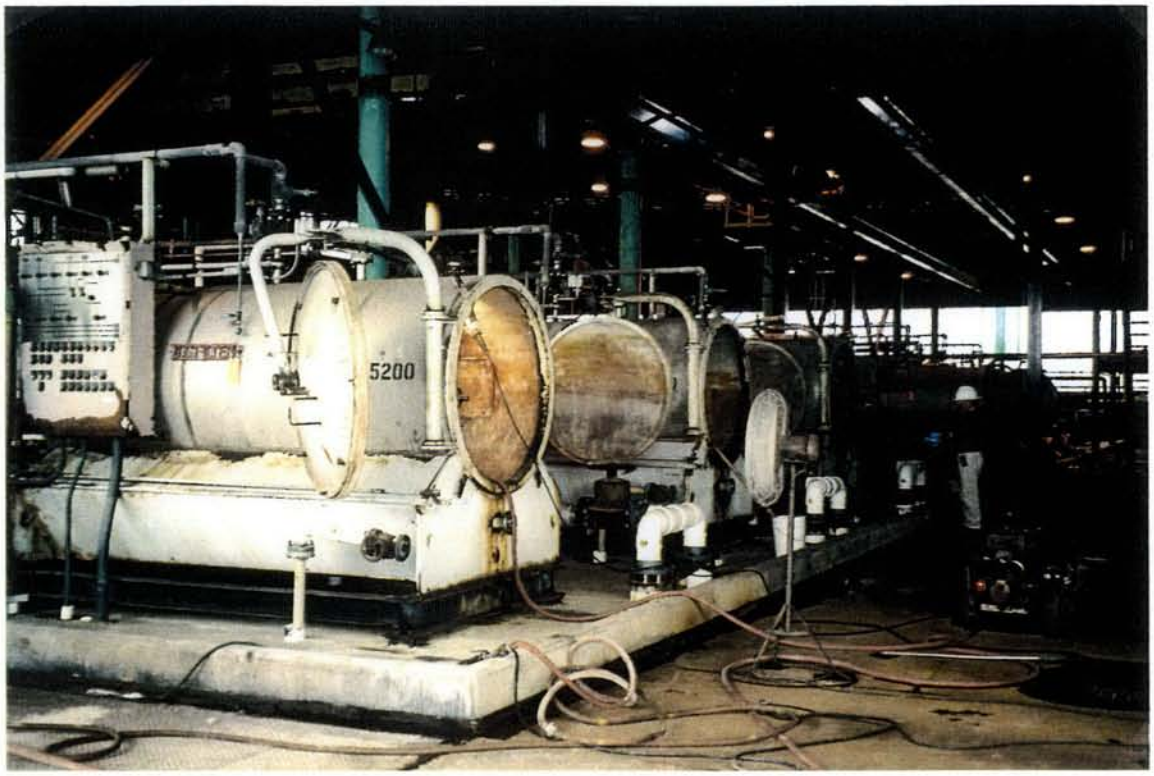
Photograph No. 6. Rail Car Wash Area Tank 485260, view facing southeast. Photograph taken by K. Brandner, September 9, 2004.

Photograph No. 7. Demin Overflow Tank 225001, view facing northwest. South Demin Tank 226022 in background. Photograph taken by J. Clements, May 24, 2004.

Photograph No. 8. Facility 1 concrete bins at east-center end of building below 36" and 48" Filter Presses, view facing southwest. Photograph taken by K. Brandner, September 9, 2004.



Photograph No. 9. Facility 1 US Filter 6 (Pressure Filter 705200) on second floor, view facing north. Photograph taken by K. Brandner, June 22, 2004.



Photograph No. 10. Facility 1 US Filters 1 - 6 on second floor, view facing northeast. US Filter 6 in foreground. Photograph taken by K. Brandner, June 22, 2004.

APPENDIX C

Appendix C

TCEQ April 27, 2000 Letter

Robert J. Huston, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Jeffrey A. Saitas, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 27, 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Nelson Mossholder
President
Encycle Inc.
P.O. Box 4767
Corpus Christi, TX 78469

RE: *Final Facility Closure and Post Closure Plan for Non-Permitted Units* - Approval
TNRCC Industrial Solid Waste Registration No. 30003
TNRCC Hazardous Waste Permit No. HW-50221
Consent Decree H - 99 - 1136
EPA ID No. TXD008117186

Dear Mr. Mossholder:

The Texas Natural Resource Conservation Commission ("TNRCC") has reviewed Encycle's November 18, 1999 *Final facility Closure and Post-Closure Plan for Non-Permitted Units*. The TNRCC approves the closure plan with the following comment.

1. In section 4.3.1 General discussions, under the heading of Determination of Cleanup Levels, Encycle proposes to collect a verification sample (rinse sample) from each unit and analyze the sample(s) for the constituents of concern. The sample results will then be compared to Tier 1, 2, or 3 under Remedy Standard A of the Texas Risk Reduction Program to determine if that unit has been decontaminated. Encycle has transitional decontamination values that are currently in the Consent Decree that have been accepted by TNRCC, EPA, and Department of Justice. Please, initially use these values unless specific units have never management the any of the listed metals in the Consent Decree. In this case, decontamination values should be a calculated, proposed, and approved prior to closure.

If you have any questions concerning this matter or the contents of this letter, please contact Brad Wilkinson at (512) 239-2350, Mail Code MC 127.

Sincerely,

Brad Wilkinson

Brad Wilkinson, Project Manager
Team I, Corrective Action Section
Remediation Division
Texas Natural Resource Conservation Commission

BW/bw

cc: Mr. Samuel Tates, Enforcement Officer, EPA Region VI - Dallas
Mr. Buddy Stanley, Regional Director, TNRCC Region 14 - Corpus Christi

APPENDIX D

Appendix D

Decontamination Rinsate Standards

the eight RCRA metals, the detection limit of the instrument shall be determined. Detection Limits shall be below the levels listed in the following standard. For units that require low pressure wash, if the decontamination media is not less than the standard (as defined in the list below), a baseline alternate concentration limit(s) shall be proposed and submitted to the TNRCC for review and approval;

Standard for Final Rinsate or Media from Decontamination

RCRA Metal	* Concentration
Arsenic	5.0
Barium	100.0
Cadmium	0.5
Chromium	5.0
Lead	1.5
Mercury	0.2
Selenium	1.0
Silver	2.0

* Units for liquid decontamination media is mg/L
Units for solid decontamination media is mg/kg

c. Provisions for continuing decontamination process and analysis until final rinsate is less than the standard or approved baseline concentration limit, described above;

d. Provisions for documentation of the decontamination process which was successful in meeting the standard for each unit, including the volume of decontamination media used; and

APPENDIX E

Appendix E

Manifests for Facility No. 1 Piping

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

W.O. 7492

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD008117186 — Manifest Document No. 41388
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ENCYCLE/TEXAS, INC. P.O. BOX 4767 CORPUS CHRISTI, TX 78469 ATTN: RICH MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 3041388

B. State Generator's ID: 30003

5. Transporter 1 Company Name: PHILIP INDUSTRIAL

6. US EPA ID Number: TXD980868467

C. State Transporter's ID: 84236

D. Transporter's Phone: 361-265-9339

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: TEXAS ECOLOGISTS, INC. 3 1/2 MILE S. PETRONILA ROAD ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, HAZARDOUS WASTE SOLID, N.O.S., CLASS 9, NA3077, PGIII ~~(D004,D005,D006~~, SEE ATTACHED ~~LIST)~~ F006	001	CM	~~17000~~ 15,860	P a.l.	~~0015319H~~ 0015316H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: SEE ATTACHED FOR ADDITIONAL EPA WASTE CODES ~~COMPACTOR DEBRIS~~ CONTAMINATED ANCILLARY EQUIPMENT ~~W/S# 09-004-2683~~ (CERT. OF DISPOSAL REQUESTED) W/S# 09-004-4243

K. Handling Codes for Wastes Listed Above: H132 ~~M111/M132~~ ~~STABILIZATION~~

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT ENCYCLE/TEXAS SECURITY AT 361-289-0300 ERG# 171
ROLLOFF NO. 2502 ; ENCYCLE NO. S040330-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JESSE LOPEZ — Signature: [signature] — Month 03 Day 30 Year ~~04~~ 04

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: BRUCE L JACKSON — Signature: [signature] — Month 3 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY
Per: Richard Marcus

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name: Orlando Luna — Signature: [signature] — Month 03 Day 30 Year 04

GENERATOR — TRANSPORTER — FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

WO#7948

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. TXD008117186	Manifest Document No. 413841	2. Page 1 (of 1)	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: ENCYCLE/TEXAS, INC.
P.O. BOX 4767
CORPUS CHRISTI, TX 78469
ATTN: RICH MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 3041384

B. State Generator's ID: 30003

5. Transporter 1 Company Name: PHILIP INDUSTRIAL

6. US EPA ID Number: TXD980864677

C. State Transporter's ID: 84236

D. Transporter's Phone: 361-265-9339

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
TEXAS ECOLOGISTS, INC.
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380

10. US EPA ID Number: TXD069452340

G. State Facility's ID: 50052

H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, HAZARDOUS WASTE SOLID, N.O.S., CLASS 9, NA3077, PGIII (~~D004,D005,D006,~~ SEE ATTACHED LIST) & F006	001	CM	46660 ~~42000~~	P	~~0015319H~~ & 0015316H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
~~SEE ATTACHED FOR ADDITIONAL EPA WASTE CODES~~ ~~COMPACTOR DEBRIS~~ CONTAMINATED ANCILLARY EQUIPMENT
~~W/S# 09-004-2683~~ (CERT. OF DISPOSAL REQUESTED) W/S# 09-004-4243
46660#

K. Handling Codes for Wastes Listed Above
H-132
& ~~M111/M132~~
& ~~STABILIZATION~~

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT ENCYCLE/TEXAS SECURITY AT 361-289-0300 ERG# 171
ROLLOFF NO. 37073 ; ENCYCLE NO. 50404 21-2

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
JESSE Lopez	Jesse Lopez	04	21	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
Chris Tanchevski		04	21	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space
SECTION 13 >10% WEIGHT, VOLUME DISCREPANCY Jesse Lopez

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
SANDRA DAY	Sandra Day	04	21	04

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

S COMMISSION ON
/IRONMENTAL QUALITY
.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. TXD008117186	Manifest Document No. 61 1 2 3	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TX 78407
ATTN: RICH MARCUS

4. Generator's Phone (361) 289-0300

A. State Manifest Document Number: 3261923
B. State Generator's ID: 30003

5. Transporter 1 Company Name: PHILIP INDUSTRIAL
6. US EPA ID Number: TXD980868467
C. State Transporter's ID: 84236
D. Transporter's Phone: 361-265-9339

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
US ECOLOGY TEXAS L.P.
3 1/2 MILE S. PETRONILA ROAD
ROBSTOWN, TEXAS 78380
10. US EPA ID Number: TXD069452340
G. State Facility's ID: 50052
H. Facility's Phone: (361) 387-3518

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PGIII (D004,D005,D006,SEE ATTACHED LIST)	001	CM	6,480	P	0015316H
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
SEE ATTACHED FOR ADDITIONAL EPA WASTE CODES
CONTAMINANCILEARY EQUIPMENT
W/S# 09-004-4243 (CERT. OF DISPOSAL REQUESTED)

K. Handling Codes for Wastes Listed Above
H132
Encapsulation

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CONTACT ENCYCLE/TEXAS SECURITY AT 361-289-0300 ERG# 171
ROLLOFF NO. 2502 ; ENCYCLE NO. 5040512-2

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
JESSE LOPEZ	[signature]	05	12	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]	[signature]	05	12	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
SANDRA DAY	[signature]	05	12	04

GENERATOR

TRANSPORTER

FACILITY

APPENDIX F

ARCADIS

Appendix F

Laboratory Reports – Rinse Water Samples

SEVERN TRENT STL

RECEIVED
APR 08 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 223956

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 04/06/2004

Signature

4/6/04
Date

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 23

SEVERN TRENT STL

CASE NARRATIVE

Job Number 223956

April 6, 2004

Total Cadmium Analysis

Samples 223956-1 through 9 were analyzed for total cadmium using EPA Method 6010B. The low calibration standard for this compound is 0.01 mg/L. The requested reporting limit is below the low calibration standard. Results reported below the low calibration standard should be J-flagged

Please contact me at 361-289-2673 or omcdonald@stl-inc.com if you have any questions regarding this report or if we can be of further assistance.

Olga Verónica McDonald
Project Manager

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 04/06/2004

Job Number.: 223956
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
223956-1	TANK 705001	Water	03/25/2004	13:55	03/25/2004	16:48
223956-2	TANK 705001DUP	Water	03/25/2004	13:55	03/25/2004	16:48
223956-3	TANK 715070	Water	03/25/2004	14:10	03/25/2004	16:48
223956-4	TANK 715110	Water	03/25/2004	14:25	03/25/2004	16:48
223956-5	FIELD BLANK	Water	03/25/2004	15:50	03/25/2004	16:48
223956-6	TANK 715060	Water	03/25/2004	16:10	03/25/2004	16:48
223956-7	TANK 715100	Water	03/25/2004	16:20	03/25/2004	16:48
223956-8	TANK 715140	Water	03/25/2004	16:30	03/25/2004	16:48
223956-9	TANK 715160	Water	03/25/2004	16:40	03/25/2004	16:48

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 705001
Date Sampled.....: 03/25/2004
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 223956-1
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	03/26/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	0.03	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 705001DUP
Date Sampled.....: 03/25/2004
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 223956-2
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	03/26/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	0.03	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
W-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715070
Date Sampled.....: 03/25/2004
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 223956-3
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	03/26/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.019	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715110
Date Sampled.....: 03/25/2004
Time Sampled.....: 14:25
Sample Matrix.....: Water

Laboratory Sample ID: 223956-4
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	03/26/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.039	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	0.04	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FIELD BLANK
Date Sampled.....: 03/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 223956-5
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	03/26/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715060
Date Sampled.....: 03/25/2004
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 223956-6
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	04/02/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.06	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715100
Date Sampled.....: 03/25/2004
Time Sampled.....: 16:20
Sample Matrix.....: Water

Laboratory Sample ID: 223956-7
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	04/02/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
W-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715140
Date Sampled.....: 03/25/2004
Time Sampled.....: 16:30
Sample Matrix.....: Water

Laboratory Sample ID: 223956-8
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	04/02/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.06	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.008	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 223956 Date: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715160
Date Sampled.....: 03/25/2004
Time Sampled.....: 16:40
Sample Matrix.....: Water

Laboratory Sample ID: 223956-9
Date Received.....: 03/25/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	04/02/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	03/29/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	03/29/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	03/29/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/26/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 91801 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M032604HG	0.00506		0.005000		101.2	%	90-110	03/26/2004	1406
ICB			-0.000078							03/26/2004	1410
LCS		M032604LG	0.00471		0.0050		94.2	%	85-115	03/26/2004	1416
MB			-0.000306							03/26/2004	1419
MS	223909-1	M032604HG	0.00523		0.005000	0.000183	100.9	%	75-125	03/26/2004	1423
MSD	223909-1	M032604HG	0.00501	0.00523	0.005000	0.000183	96.5	%	75-125	03/26/2004	1425
							4.3	R	20		
CCV		M032604HG	0.00503		0.005000		100.6	%	80-120	03/26/2004	1446
CCB			0.000054							03/26/2004	1450
MS	223934-1	M032604HG	0.00465		0.005000	-0.000165	96.3	%	75-125	03/26/2004	1515
MSD	223934-1	M032604HG	0.00466	0.00465	0.005000	-0.000165	96.5	%	75-125	03/26/2004	1517
							0.2	R	20		
CCV		M032604HG	0.00493		0.005000		98.6	%	80-120	03/26/2004	1525
CCB			0.000027							03/26/2004	1529
CCV		M032604HG	0.00486		0.005000		97.2	%	80-120	03/26/2004	1538
CCB			0.000143							03/26/2004	1542

Test Method.....: SW-846 7470A Batch.....: 92075 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M040204HG	0.00487		0.005000		97.4	%	90-110	04/02/2004	1440
ICB			-0.000024							04/02/2004	1443
LCS		M040204LG	0.00515		0.0050		103.0	%	85-115	04/02/2004	1447
MB			0.000163							04/02/2004	1448
MS	224029-1	M040204HG	0.00450		0.005000	0.000209	85.8	%	75-125	04/02/2004	1455
MSD	224029-1	M040204HG	0.00466	0.00450	0.005000	0.000209	89.0	%	75-125	04/02/2004	1457
							3.5	R	20		
CCV		M040204HG	0.00541		0.005000		108.2	%	80-120	04/02/2004	1510
CCB			-0.000077							04/02/2004	1514
CCV		M040204HG	0.00475		0.005000		95.0	%	80-120	04/02/2004	1531
CCB			-0.000186							04/02/2004	1534

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.97361854		2.00		98.7	%	90-110	03/29/2004	1217
ICV		M0368	1.05831516		1.00		105.8	%	90-110	03/29/2004	1232
ICV		M0380	1.07916062		1.00		107.9	%	90-110	03/29/2004	1249
ICB			-0.0052289							03/29/2004	1307
CCV		M0379	1.02407521		1.00		102.4	%	90-110	03/29/2004	1330
CCB			-0.0007684							03/29/2004	1340
MB		3010	-0.0038618							03/29/2004	1347
S		M348	0.40682443		0.500		81.4	%	80-120	03/29/2004	1354
✓		M0379	1.01810993		1.00		101.8	%	90-110	03/29/2004	1434
CCB			0.00115779							03/29/2004	1450

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MB		3010	-0.0008518							03/29/2004	1456
LCS		M348	0.45905182		0.500		91.8	%	85-110	03/29/2004	1500
CCV		M0379	1.02612055		1.00		102.6	%	90-110	03/29/2004	1517
CCB			-0.0032224							03/29/2004	1527
MS	223955-1	M348	0.47405674		0.500	0.00081144	94.6	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.44036758	0.47405674	0.500	0.00081144	87.9	%	75-125	03/29/2004	1610
							7.4	R	20		
CCV		M0379	1.04117250		1.00		104.1	%	90-110	03/29/2004	1719
CCB			-0.0025708							03/29/2004	1733
MB		3010	-0.0056581							03/29/2004	1757
LCS		M348	0.47571583		0.500		95.1	%	85-110	03/29/2004	1800
CCV		M0379	1.03522908		1.00		103.5	%	90-110	03/29/2004	1827
CCB			-0.0019532							03/29/2004	1840
MB		3010	-0.0026339							03/29/2004	1928
CCV		M0379	1.01855343		1.00		101.9	%	90-110	03/29/2004	1940
CCB			-0.0105356							03/29/2004	1954
:S		M348	0.45507820		0.500		91.0	%	85-110	03/29/2004	1957
:V		M0379	1.03071014		1.00		103.1	%	90-110	03/29/2004	2046
CCB			0.00190902							03/29/2004	2100
MS	223963-4	M348	0.51707497		0.500	0.00303618	102.8	%	75-125	03/29/2004	2114
MSD	223963-4	M348	0.53880509	0.51707497	0.500	0.00303618	107.2	%	75-125	03/29/2004	2119
							4.1	R	20		
CCV		M0379	1.03248162		1.00		103.2	%	90-110	03/29/2004	2154
CCB			0.00093438							03/29/2004	2208

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.97339485		2.00		98.7	%	90-110	03/29/2004	1217
ICV		M0369	1.01306657		1.00		101.3	%	90-110	03/29/2004	1237
ICB			0.00007577							03/29/2004	1307
CCV		M0379	1.01367176		1.00		101.4	%	90-110	03/29/2004	1330
CCB			0.00033626							03/29/2004	1340
MB		3010	-0.0008008							03/29/2004	1347
LCS		M348	0.45025651		0.500		90.1	%	90-110	03/29/2004	1354
CCV		M0379	1.01448254		1.00		101.4	%	90-110	03/29/2004	1434
CCB			-0.0004323							03/29/2004	1450
MB		3010	0.00021924							03/29/2004	1456
LCS		M348	0.51735523		0.500		103.5	%	90-110	03/29/2004	1500
CCV		M0379	1.02140862		1.00		102.1	%	90-110	03/29/2004	1517
CCB			-0.0003434							03/29/2004	1527
MS	223955-1	M348	0.51122653		0.500	0.06965135	88.3	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.48619510	0.51122653	0.500	0.06965135	83.3	%	75-125	03/29/2004	1610
							5.0	R	20		
CCV		M0379	1.01397865		1.00		101.4	%	90-110	03/29/2004	1719
CCB			-0.0003593							03/29/2004	1733
?		3010	-0.0003707							03/29/2004	1757
:S		M348	0.52917898		0.500		105.8	%	90-110	03/29/2004	1800
CCV		M0379	1.01536604		1.00		101.5	%	90-110	03/29/2004	1827

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0002631							03/29/2004	1844
MB		3010	0.00021165							03/29/2004	1928
CCV		M0379	1.02575291		1.00		102.6	%	90-110	03/29/2004	1940
CCB			-0.0006251							03/29/2004	1954
LCS		M348	0.50810572		0.500		101.6	%	90-110	03/29/2004	1957
CCV		M0379	1.02015452		1.00		102.0	%	90-110	03/29/2004	2046
CCB			-0.0000202							03/29/2004	2100
MS	223963-4	M348	0.66897243		0.500	0.17845077	98.1	%	75-125	03/29/2004	2114
MSD	223963-4	M348	0.67956763	0.66897243	0.500	0.17845077	100.2	%	75-125	03/29/2004	2119
							1.6	R	20		
CCV		M0379	1.02752326		1.00		102.8	%	90-110	03/29/2004	2154
CCB			0.00016634							03/29/2004	2208

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.96696953		2.00		98.3	%	90-110	03/29/2004	1217
ICV		M0368	1.01183650		1.00		101.2	%	90-110	03/29/2004	1232
ICV		M0380	1.03416573		1.00		103.4	%	90-110	03/29/2004	1249
ICB			-0.0013892							03/29/2004	1307
CCV		M0379	1.01124519		1.00		101.1	%	90-110	03/29/2004	1330
CCB			-0.0014697							03/29/2004	1340
MB		3010	-0.0014634							03/29/2004	1347
LCS		M348	0.44918772		0.500		89.8	%	87-110	03/29/2004	1354
CCV		M0379	1.01020524		1.00		101.0	%	90-110	03/29/2004	1434
CCB			-0.0014502							03/29/2004	1450
MB		3010	-0.0015156							03/29/2004	1456
LCS		M348	0.51257926		0.500		102.5	%	87-110	03/29/2004	1500
CCV		M0379	1.01764859		1.00		101.8	%	90-110	03/29/2004	1517
CCB			-0.0015798							03/29/2004	1527
MS	223955-1	M348	0.44384225		0.500	0.00463969	87.8	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.42079922	0.44384225	0.500	0.00463969	83.2	%	75-125	03/29/2004	1610
							5.3	R	20		
CCV		M0379	1.01503915		1.00		101.5	%	90-110	03/29/2004	1719
CCB			-0.0017974							03/29/2004	1733
MB		3010	-0.0014379							03/29/2004	1757
LCS		M348	0.52891005		0.500		105.8	%	87-110	03/29/2004	1800
CCV		M0379	1.01569775		1.00		101.6	%	90-110	03/29/2004	1827
CCB			-0.0014550							03/29/2004	1844
MB		3010	-0.0014465							03/29/2004	1928
CCV		M0379	1.01716183		1.00		101.7	%	90-110	03/29/2004	1940
CCB			-0.0016249							03/29/2004	1954
LCS		M348	0.50534447		0.500		101.1	%	87-110	03/29/2004	1957
CCV		M0379	1.00998346		1.00		101.0	%	90-110	03/29/2004	2046
CCB			-0.0010384							03/29/2004	2100
MS	223963-4	M348	0.47548936		0.500	-0.0016258	95.4	%	75-125	03/29/2004	2114
`D	223963-4	M348	0.49070708	0.47548936	0.500	-0.0016258	98.5	%	75-125	03/29/2004	2119
							3.2	R	20		
CCV		M0379	1.01725972		1.00		101.7	%	90-110	03/29/2004	2154

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0012406							03/29/2004	2208

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.97324785		2.00		98.7	%	90-110	03/29/2004	1217
ICV		M0368	1.01803672		1.00		101.8	%	90-110	03/29/2004	1232
ICV		M0380	1.04378258		1.00		104.4	%	90-110	03/29/2004	1249
ICB			-0.0035167							03/29/2004	1307
CCV		M0379	1.01120970		1.00		101.1	%	90-110	03/29/2004	1330
CCB			-0.0022099							03/29/2004	1340
MB		3010	-0.0029618							03/29/2004	1347
CS		M348	0.45337777		0.500		90.7	%	90-110	03/29/2004	1354
CV		M0379	1.01322001		1.00		101.3	%	90-110	03/29/2004	1434
CCB			-0.0013710							03/29/2004	1450
MB		3010	-0.0019975							03/29/2004	1456
LCS		M348	0.51690727		0.500		103.4	%	90-110	03/29/2004	1500
CCV		M0379	1.02266389		1.00		102.3	%	90-110	03/29/2004	1517
CCB			-0.0018917							03/29/2004	1527
MS	223955-1	M348	0.43844035		0.500	-0.0010773	87.9	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.41515248	0.43844035	0.500	-0.0010773	83.2	%	75-125	03/29/2004	1610
							5.5	R	20		
CCV		M0379	1.01812729		1.00		101.8	%	90-110	03/29/2004	1719
CCB			-0.0025656							03/29/2004	1733
MB		3010	-0.0021360							03/29/2004	1757
LCS		M348	0.53127779		0.500		106.3	%	90-110	03/29/2004	1800
CCV		M0379	1.01485960		1.00		101.5	%	90-110	03/29/2004	1827
CCB			-0.0019664							03/29/2004	1844
MB		3010	-0.0016656							03/29/2004	1928
CCV		M0379	1.02169886		1.00		102.2	%	90-110	03/29/2004	1940
CCB			-0.0016233							03/29/2004	1954
LCS		M348	0.50765294		0.500		101.5	%	90-110	03/29/2004	1957
CCV		M0379	1.01795869		1.00		101.8	%	90-110	03/29/2004	2046
CCB			-0.0055090							03/29/2004	2100
MS	223963-4	M348	0.48587754		0.500	-0.0007550	97.3	%	75-125	03/29/2004	2114
MSD	223963-4	M348	0.50260130	0.48587754	0.500	-0.0007550	100.7	%	75-125	03/29/2004	2119
							3.4	R	20		
CCV		M0379	1.02238734		1.00		102.2	%	90-110	03/29/2004	2154
CCB			-0.0012000							03/29/2004	2208

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.95833060		2.00		97.9	%	90-110	03/29/2004	1217
ICV		M0368	1.01804299		1.00		101.8	%	90-110	03/29/2004	1232
ICV		M0380	1.03270960		1.00		103.3	%	90-110	03/29/2004	1249
ICB			-0.0043959							03/29/2004	1307
CCV		M0379	1.01651735		1.00		101.7	%	90-110	03/29/2004	1330
CCB			-0.0021470							03/29/2004	1340
MB		3010	-0.0037107							03/29/2004	1347
LCS		M348	0.45167929		0.500		90.3	%	87-112	03/29/2004	1354
CCV		M0379	1.01438188		1.00		101.4	%	90-110	03/29/2004	1434
CCB			-0.0011546							03/29/2004	1450
MB		3010	-0.0016552							03/29/2004	1456
LCS		M348	0.50928706		0.500		101.9	%	87-112	03/29/2004	1500
CCV		M0379	1.00890579		1.00		100.9	%	90-110	03/29/2004	1517
CCB			-0.0026544							03/29/2004	1527
MS	223955-1	M348	0.46664681		0.500	0.03322490	86.7	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.43836848	0.46664681	0.500	0.03322490	81.0	%	75-125	03/29/2004	1610
							6.2	R	20		
CCV		M0379	1.02574438		1.00		102.6	%	90-110	03/29/2004	1719
CCB			0.00202314							03/29/2004	1733
MB		3010	-0.0013125							03/29/2004	1757
LCS		M348	0.51883558		0.500		103.8	%	87-112	03/29/2004	1800
CCV		M0379	1.02504035		1.00		102.5	%	90-110	03/29/2004	1827
CCB			-0.0018496							03/29/2004	1844
MB		3010	-0.0012186							03/29/2004	1928
CCV		M0379	1.01406371		1.00		101.4	%	90-110	03/29/2004	1940
CCB			-0.0027476							03/29/2004	1954
LCS		M348	0.49939719		0.500		99.9	%	87-112	03/29/2004	1957
CCV		M0379	1.01485838		1.00		101.5	%	90-110	03/29/2004	2046
CCB			-0.0048601							03/29/2004	2100
MS	223963-4	M348	0.47324762		0.500	-0.0032834	95.3	%	75-125	03/29/2004	2114
MSD	223963-4	M348	0.48960214	0.47324762	0.500	-0.0032834	98.6	%	75-125	03/29/2004	2119
							3.4	R	20		
CCV		M0379	1.02876568		1.00		102.9	%	90-110	03/29/2004	2154
CCB			-0.0070590							03/29/2004	2208

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	2.00053164		2.00		100.0	%	90-110	03/29/2004	1217
ICV		M0368	1.01090679		1.00		101.1	%	90-110	03/29/2004	1232
ICV		M0380	1.03275439		1.00		103.3	%	90-110	03/29/2004	1249
ICB			-0.0006823							03/29/2004	1307
CCV		M0379	1.01754422		1.00		101.8	%	90-110	03/29/2004	1330
CCB			0.00851588							03/29/2004	1340
MB		3010	0.00991449							03/29/2004	1347
LCS		M348	0.46634587		0.500		93.3	%	82-111	03/29/2004	1354
CCV		M0379	1.02032116		1.00		102.0	%	90-110	03/29/2004	1434
CCB			0.00307665							03/29/2004	1450
MB		3010	0.00478870							03/29/2004	1456

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M348	0.50333119		0.500		100.7	%	82-111	03/29/2004	1500
CCV		M0379	1.00098687		1.00		100.1	%	90-110	03/29/2004	1517
CCB			-0.0064361							03/29/2004	1527
MS	223955-1	M348	0.43989414		0.500	0.00151761	87.7	%	75-125	03/29/2004	1605
MSD	223955-1	M348	0.40684484	0.43989414	0.500	0.00151761	81.1	%	75-125	03/29/2004	1610
							7.8	R	20		
CCV		M0379	1.03338195		1.00		103.3	%	90-110	03/29/2004	1719
CCB			-0.0039815							03/29/2004	1733
MB		3010	0.01114410							03/29/2004	1757
LCS		M348	0.51367120		0.500		102.7	%	82-111	03/29/2004	1800
CCV		M0379	1.00990064		1.00		101.0	%	90-110	03/29/2004	1827
CCB			-0.0082445							03/29/2004	1844
MB		3010	0.00391160							03/29/2004	1928
CCV		M0379	1.01595167		1.00		101.6	%	90-110	03/29/2004	1940
CCB			0.01282810							03/29/2004	1954
LCS		M348	0.49688094		0.500		99.4	%	82-111	03/29/2004	1957
?V		M0379	1.01748820		1.00		101.7	%	90-110	03/29/2004	2046
;B			-0.0041226							03/29/2004	2100
MS	223963-4	M348	0.49885151		0.500	0.01648398	96.5	%	75-125	03/29/2004	2114
MSD	223963-4	M348	0.51857980	0.49885151	0.500	0.01648398	100.4	%	75-125	03/29/2004	2119
							3.9	R	20		
CCV		M0379	1.03202816		1.00		103.2	%	90-110	03/29/2004	2154
CCB			0.00335191							03/29/2004	2208

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	0.98028798		1.0		98.0	%	90-110	03/29/2004	1217
ICV		M0369	1.03202773		1.00		103.2	%	90-110	03/29/2004	1237
ICB			0.00478820							03/29/2004	1307
CCV		M0379	0.49921733		0.50		99.8	%	90-110	03/29/2004	1330
CCB			0.00382851							03/29/2004	1340
MB		3010	0.00357910							03/29/2004	1347
LCS		M348	0.22646656		0.25		90.6	%	87-110	03/29/2004	1354
CCV		M0379	0.49976734		0.50		100.0	%	90-110	03/29/2004	1434
CCB			0.00187919							03/29/2004	1450
MB		3010	0.00204943							03/29/2004	1456
LCS		M348	0.25752173		0.25		103.0	%	87-110	03/29/2004	1500
CCV		M0379	0.50338196		0.50		100.7	%	90-110	03/29/2004	1517
CCB			0.00203685							03/29/2004	1527
CCV		M0379	0.50760599		0.50		101.5	%	90-110	03/29/2004	1719
CCB			0.00370832							03/29/2004	1733
MB		3010	0.00026350							03/29/2004	1757
LCS		M348	0.26528863		0.25		106.1	%	87-110	03/29/2004	1800
CCV		M0379	0.50167433		0.50		100.3	%	90-110	03/29/2004	1827
CCB			0.00246769							03/29/2004	1844
?		3010	0.00215931							03/29/2004	1928
;V		M0379	0.49807412		0.50		99.6	%	90-110	03/29/2004	1940
CCB			0.00177771							03/29/2004	1954

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 223956 Report Date.: 04/06/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 91862 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0379	0.49697094		0.50		99.4	%	90-110	03/29/2004	2046
CCB			0.00119137							03/29/2004	2100
CCV		M0379	0.49794977		0.50		99.6	%	90-110	03/29/2004	2154
CCB			0.00211931							03/29/2004	2208

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 04/06/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:
Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard
CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 04/06/2004

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- I - Used to indicate matrix interference.
- X - Indicates that a surrogate recovery is outside the specified quality control limits.
- Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
- * - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
- ^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

- B - Indicates that a value for an inorganic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
- J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 22357 w/5 JUST Samples

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Encycle RCRA Closure	PROJECT NAME/NUMBER: RCRA Closure
SEND REPORT TO: Rich Marcus & Ken Brandon	**BILLING INFORMATION**
ADDRESS: 711 N. Carancahua Corpus Christi, TX 78475	BILL TO: Encycle
	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7585	FAX: PO NO:

LAB JOB NO. 223956

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: Total As, Ba, Cd, Cr, Pb, Hg, Se, Silver	REMARKS/PRECAUTIONS
Tank 705001	Tank 705001	3/25/04	1:55	L	1pt. poly	HNO_3	1		Samples delivered in cooler w/ice.
Tank 705001 DUP	Tank 705001 DUP		1:55	L	1pt. poly	HNO_3	1		
Tank 715070	Tank 715070		2:10	L	1pt. poly	HNO_3	1		
Tank 715110	Tank 715110		2:25	L	1pt. poly	HNO_3	1		
Field Blank	Field Blank		3:50	L	1pt poly	HNO_3	1		
Tank 715060	Tank 715060		4:10	L	1pt poly	HNO_3	1		
Tank 715100	Tank 715100		4:20	L	1pt poly	HNO_3	1		
Tank 715140	Tank 715140		4:30	L	1pt poly	HNO_3	1		
Tank 715160	Tank 715160		4:40	L	1pt poly	HNO_3	1		

SAMPLER: Ken Brandon

SHIPMENT METHOD: In Person

AIRBILL NO.: NA

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER _____

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Brandon	3/25/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Ken Brandon / ARCADIS	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	3/25/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUN 28 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225335

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/24/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

6/24/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 14

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/24/2004

Job Number.: 225335
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225335-1	FEED TANK 1	Water	06/16/2004	14:55	06/16/2004	15:33
225335-2	TANK 705320	Water	06/16/2004	15:20	06/16/2004	15:33

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225335 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FEED TANK 1
Date Sampled.....: 06/16/2004
Time Sampled.....: 14:55
Sample Matrix.....: Water

Laboratory Sample ID: 225335-1
Date Received.....: 06/16/2004
Time Received.....: 15:33

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/18/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	06/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.03	0.01	mg/L	06/17/04	jem
SW-846 6010B	Chromium (Cr), Total	0.06	0.01	mg/L	06/17/04	jem
SW-846 6010B	Lead (Pb), Total	0.25	0.01	mg/L	06/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/17/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225335 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 705320
Date Sampled.....: 06/16/2004
Time Sampled.....: 15:20
Sample Matrix.....: Water

Laboratory Sample ID: 225335-2
Date Received.....: 06/16/2004
Time Received.....: 15:33

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/18/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	06/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/17/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 94985 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M061804HG	0.00478		0.00500		95.6	%	90-110	06/18/2004	1240
ICB			-0.000087							06/18/2004	1243
LCS		M061804LG	0.00511		0.0050		102.2	%	85-115	06/18/2004	1246
MB			-0.000121							06/18/2004	1248
MS	225309-2	M061804HG	0.00497		0.00500	-0.000040	100.2	%	75-125	06/18/2004	1252
MSD	225309-2	M061804HG	0.00477	0.00497	0.00500	-0.000040	96.2	%	75-125	06/18/2004	1254
							4.1	R	20		
CCV		M061804HG	0.00481		0.00500		96.2	%	80-120	06/18/2004	1308
CCB			-0.000039							06/18/2004	1311
MS	225327-1	M061804HG	0.00481		0.00500	-0.000097	98.1	%	75-125	06/18/2004	1315
MSD	225327-1	M061804HG	0.00467	0.00481	0.00500	-0.000097	95.3	%	75-125	06/18/2004	1317
							3.0	R	20		
CCV		M061804HG	0.00460		0.00500		92.0	%	80-120	06/18/2004	1324
CCB			-0.000112							06/18/2004	1327

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01782603		2.00		100.9	%	90-110	06/17/2004	1450
ICV		M0368	0.99591355		1.00		99.6	%	90-110	06/17/2004	1459
ICV		M0380	0.99433239		1.00		99.4	%	90-110	06/17/2004	1508
ICB			-0.0019338							06/17/2004	1534
ICV		M0393	0.48769729		0.500		97.5	%	90-110	06/17/2004	1538
CCV		M0388	1.04489985		1.00		104.5	%	90-110	06/17/2004	1543
CCB			0.00027507							06/17/2004	1552
MB		3010.	-0.0065473							06/17/2004	1615
LCS		M351	0.50744318		0.500		101.5	%	80-120	06/17/2004	1618
CCV		M0388	1.03412592		1.00		103.4	%	90-110	06/17/2004	1649
CCB			-0.0062360							06/17/2004	1701
MS	225321-3	M351	0.54327039		0.500	0.00679645	107.3	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54661494	0.54327039	0.500	0.00679645	108.0	%	75-125	06/17/2004	1710
							0.6	R	20		
MB		3010	-0.0048613							06/17/2004	1740
CCV		M0388	1.02901301		1.00		102.9	%	90-110	06/17/2004	1744
CCB			-0.0029471							06/17/2004	1752
LCS		M351	0.52088848		0.500		104.2	%	80-120	06/17/2004	1756
MB		3010	0.00145681							06/17/2004	1822
LCS		M351	0.50507590		0.500		101.0	%	80-120	06/17/2004	1829
CCV		M0388	1.02193497		1.00		102.2	%	90-110	06/17/2004	1838
CCB			0.00021748							06/17/2004	1851
MS	225281-1	M351	0.51265631		0.500	-0.0003587	102.6	%	75-125	06/17/2004	1858
CCV		M0388	1.02310370		1.00		102.3	%	90-110	06/17/2004	1934
CCB			0.00133829							06/17/2004	1942
MB		3050	-0.0026917							06/17/2004	2004
LCS		M351	0.50663093		0.500		101.3	%	66-134	06/17/2004	2011
SB		M383D	2.33412556		2.31		101.0	%	66-134	06/17/2004	2016
`S	225330-5	M351	0.59004178		0.500	0.04817700	108.4	%	75-125	06/17/2004	2025
;D	225330-5	M351	0.58006524	0.59004178	0.500	0.04817700	106.4	%	75-125	06/17/2004	2031
							1.7	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.01616286		1.00		101.6	%	90-110	06/17/2004	2039
CCB			0.00051787							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02131845		2.00		101.1	%	90-110	06/17/2004	1450
ICV		M0369	0.99676325		1.00		99.7	%	90-110	06/17/2004	1504
ICB			-0.0000003							06/17/2004	1534
ICV		M0393	0.49358679		0.500		98.7	%	90-110	06/17/2004	1538
CCV		M0388	1.05024682		1.00		105.0	%	90-110	06/17/2004	1543
CCB			-0.0002003							06/17/2004	1552
MB		3010.	0.00045443							06/17/2004	1615
LCS		M351	0.51622323		0.500		103.2	%	80-120	06/17/2004	1618
CCV		M0388	1.04904829		1.00		104.9	%	90-110	06/17/2004	1649
CCB			-0.0001283							06/17/2004	1701
MS	225321-3	M351	0.69582536		0.500	0.17529028	104.1	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.69614958	0.69582536	0.500	0.17529028	104.2	%	75-125	06/17/2004	1710
							0.0	R	20		
MB		3010	-0.0001681							06/17/2004	1740
CCV		M0388	1.03233164		1.00		103.2	%	90-110	06/17/2004	1744
CCB			0.00001108							06/17/2004	1752
LCS		M351	0.52148996		0.500		104.3	%	80-120	06/17/2004	1756
MB		3010	0.01491023							06/17/2004	1822
LCS		M351	0.50781053		0.500		101.6	%	80-120	06/17/2004	1829
CCV		M0388	1.02176544		1.00		102.2	%	90-110	06/17/2004	1838
CCB			-0.0000905							06/17/2004	1851
MS	225281-1	M351	0.53920971		0.500	0.03842466	100.2	%	75-125	06/17/2004	1858
CCV		M0388	1.02639640		1.00		102.6	%	90-110	06/17/2004	1934
CCB			0.00002608							06/17/2004	1942
MB		3050	-0.0003062							06/17/2004	2004
LCS		M351	0.51487830		0.500		103.0	%	58-142	06/17/2004	2011
SB		M383D	9.51638129		10.00		95.2	%	58-142	06/17/2004	2016
MS	225330-5	M351	2.08721631		0.500	1.74071367	69.3	%	75-125	06/17/2004	2025
MSD	225330-5	M351	1.91563606	2.08721631	0.500	1.74071367	35.0	%	75-125	06/17/2004	2031
							8.6	R	20		
CCV		M0388	1.06476969		1.00		106.5	%	90-110	06/17/2004	2039
CCB			0.00013687							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01725473		2.00		100.9	%	90-110	06/17/2004	1450
ICV		M0368	1.00181760		1.00		100.2	%	90-110	06/17/2004	1459
ICV		M0380	1.00677220		1.00		100.7	%	90-110	06/17/2004	1508

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			-0.0000235							06/17/2004	1534
ICV		M0393	0.49531201		0.500		99.1	%	90-110	06/17/2004	1538
CCV		M0388	1.04301228		1.00		104.3	%	90-110	06/17/2004	1543
CCB			0.00005106							06/17/2004	1552
MB		3010.	-0.0000723							06/17/2004	1615
LCS		M351	0.50692813		0.500		101.4	%	80-120	06/17/2004	1618
CCV		M0388	1.03698123		1.00		103.7	%	90-110	06/17/2004	1649
CCB			-0.0002126							06/17/2004	1701
MS	225321-3	M351	0.52194166		0.500	-0.0003299	104.5	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52029752	0.52194166	0.500	-0.0003299	104.1	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0000770							06/17/2004	1740
CCV		M0388	1.02285207		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00005433							06/17/2004	1752
LCS		M351	0.51500351		0.500		103.0	%	80-120	06/17/2004	1756
MB		3010	-0.0000410							06/17/2004	1822
LCS		M351	0.49884237		0.500		99.8	%	80-120	06/17/2004	1829
CV		M0388	1.01230879		1.00		101.2	%	90-110	06/17/2004	1838
CCB			-0.0000284							06/17/2004	1851
MS	225281-1	M351	0.50165658		0.500	-0.0003727	100.4	%	75-125	06/17/2004	1858
CCV		M0388	1.01985657		1.00		102.0	%	90-110	06/17/2004	1934
CCB			-0.0000760							06/17/2004	1942
MB		3050	0.00005414							06/17/2004	2004
LCS		M351	0.50503683		0.500		101.0	%	73-127	06/17/2004	2011
SB		M383D	1.21059755		1.27		95.3	%	73-127	06/17/2004	2016
MS	225330-5	M351	0.51769641		0.500	0.01320470	100.9	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.51164858	0.51769641	0.500	0.01320470	99.7	%	75-125	06/17/2004	2031
							1.2	R	20		
CCV		M0388	1.05086059		1.00		105.1	%	90-110	06/17/2004	2039
CCB			-0.0001155							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02471020		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	0.99492428		1.00		99.5	%	90-110	06/17/2004	1459
ICV		M0380	1.00210509		1.00		100.2	%	90-110	06/17/2004	1508
ICB			0.00033326							06/17/2004	1534
ICV		M0393	0.48909000		0.500		97.8	%	90-110	06/17/2004	1538
CCV		M0388	1.04048047		1.00		104.0	%	90-110	06/17/2004	1543
CCB			-0.0000677							06/17/2004	1552
MB		3010.	-0.0000438							06/17/2004	1615
LCS		M351	0.51034695		0.500		102.1	%	80-120	06/17/2004	1618
CCV		M0388	1.04043906		1.00		104.0	%	90-110	06/17/2004	1649
CCB			0.00004039							06/17/2004	1701
MS	225321-3	M351	0.52823089		0.500	0.00404317	104.8	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52911295	0.52823089	0.500	0.00404317	105.0	%	75-125	06/17/2004	1710
							0.2	R	20		
MB		3010	-0.0002150							06/17/2004	1740

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02295222		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00042935							06/17/2004	1752
LCS		M351	0.51768576		0.500		103.5	%	80-120	06/17/2004	1756
MB		3010	-0.0002206							06/17/2004	1822
LCS		M351	0.50137630		0.500		100.3	%	80-120	06/17/2004	1829
CCV		M0388	1.02022744		1.00		102.0	%	90-110	06/17/2004	1838
CCB			-0.0001536							06/17/2004	1851
MS	225281-1	M351	0.50928460		0.500	0.00044409	101.8	%	75-125	06/17/2004	1858
CCV		M0388	1.02382405		1.00		102.4	%	90-110	06/17/2004	1934
CCB			0.00043827							06/17/2004	1942
MB		3050	0.00139293							06/17/2004	2004
LCS		M351	0.53046371		0.500		106.1	%	72-127	06/17/2004	2011
SB		M383D	2.02564507		2.07		97.9	%	72-127	06/17/2004	2016
MS	225330-5	M351	0.73782517		0.500	0.21736060	104.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.92804936	0.73782517	0.500	0.21736060	142.1	%	75-125	06/17/2004	2031
							22.8	R	20		
CCV		M0388	1.06768587		1.00		106.8	%	90-110	06/17/2004	2039
CB			0.00023333							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.04316272		2.00		102.2	%	90-110	06/17/2004	1450
ICV		M0368	1.02671087		1.00		102.7	%	90-110	06/17/2004	1459
ICV		M0380	1.03125179		1.00		103.1	%	90-110	06/17/2004	1508
ICB			-0.0022534							06/17/2004	1534
ICV		M0393	0.50533056		0.500		101.1	%	90-110	06/17/2004	1538
CCV		M0388	1.05502065		1.00		105.5	%	90-110	06/17/2004	1543
CCB			-0.0004356							06/17/2004	1552
MB		3010.	0.00004226							06/17/2004	1615
LCS		M351	0.51137727		0.500		102.3	%	80-120	06/17/2004	1618
CCV		M0388	1.04843262		1.00		104.8	%	90-110	06/17/2004	1649
CCB			-0.0039731							06/17/2004	1701
MS	225321-3	M351	0.51188980		0.500	0.00200190	102.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.51448541	0.51188980	0.500	0.00200190	102.5	%	75-125	06/17/2004	1710
							0.5	R	20		
MB		3010	-0.0006287							06/17/2004	1740
CCV		M0388	1.03985275		1.00		104.0	%	90-110	06/17/2004	1744
CCB			-0.0009648							06/17/2004	1752
LCS		M351	0.52207905		0.500		104.4	%	80-120	06/17/2004	1756
MB		3010	-0.0003507							06/17/2004	1822
LCS		M351	0.50694009		0.500		101.4	%	80-120	06/17/2004	1829
CCV		M0388	1.02274625		1.00		102.3	%	90-110	06/17/2004	1838
CCB			-0.0009027							06/17/2004	1851
MS	225281-1	M351	0.49926897		0.500	0.00089908	99.7	%	75-125	06/17/2004	1858
CCV		M0388	1.03277617		1.00		103.3	%	90-110	06/17/2004	1934
CB			-0.0015195							06/17/2004	1942
		3050	-0.0024221							06/17/2004	2004
LCS		M351	0.51087676		0.500		102.2	%	71-129	06/17/2004	2011

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
SB		M383D	1.95149529		2.04		95.7	%	71-129	06/17/2004	2016
MS	225330-5	M351	0.63711116		0.500	0.13646827	100.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.69631086	0.63711116	0.500	0.13646827	112.0	%	75-125	06/17/2004	2031
							8.9	R	20		
CCV		M0388	1.02361048		1.00		102.4	%	90-110	06/17/2004	2039
CCB			-0.0009674							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02307586		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	1.01447764		1.00		101.4	%	90-110	06/17/2004	1459
CV		M0380	1.00968929		1.00		101.0	%	90-110	06/17/2004	1508
B			0.00060533							06/17/2004	1534
ICV		M0393	0.48977146		0.500		98.0	%	90-110	06/17/2004	1538
CCV		M0388	1.03872543		1.00		103.9	%	90-110	06/17/2004	1543
CCB			0.00733775							06/17/2004	1552
MB		3010.	-0.0094725							06/17/2004	1615
LCS		M351	0.49402763		0.500		98.8	%	80-120	06/17/2004	1618
CCV		M0388	1.02812421		1.00		102.8	%	90-110	06/17/2004	1649
CCB			0.00742171							06/17/2004	1701
MS	225321-3	M351	0.54502165		0.500	0.00070785	108.9	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54730511	0.54502165	0.500	0.00070785	109.3	%	75-125	06/17/2004	1710
							0.4	R	20		
MB		3010	-0.0088297							06/17/2004	1740
CCV		M0388	1.02750530		1.00		102.8	%	90-110	06/17/2004	1744
CCB			-0.0080560							06/17/2004	1752
LCS		M351	0.50895908		0.500		101.8	%	80-120	06/17/2004	1756
MB		3010	-0.0116709							06/17/2004	1822
LCS		M351	0.49163556		0.500		98.3	%	80-120	06/17/2004	1829
CCV		M0388	1.00097401		1.00		100.1	%	90-110	06/17/2004	1838
CCB			-0.0036536							06/17/2004	1851
MS	225281-1	M351	0.51428070		0.500	0.00328510	102.2	%	75-125	06/17/2004	1858
CCV		M0388	1.01227287		1.00		101.2	%	90-110	06/17/2004	1934
CCB			-0.0026127							06/17/2004	1942
MB		3050	-0.0156337							06/17/2004	2004
LCS		M351	0.47864663		0.500		95.7	%	59-141	06/17/2004	2011
SB		M383D	0.98600439		0.996		99.0	%	59-141	06/17/2004	2016
MS	225330-5	M351	0.38034934		0.500	-0.0124743	78.6	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.56150971	0.38034934	0.500	-0.0124743	114.8	%	75-125	06/17/2004	2031
							38.5	R	20		
CCV		M0388	1.01868830		1.00		101.9	%	90-110	06/17/2004	2039
CCB			-0.0091973							06/17/2004	2048

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225335 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00917977		1.0		100.9	%	90-110	06/17/2004	1450
ICV		M0369	0.99889801		1.00		99.9	%	90-110	06/17/2004	1504
ICB			0.00039581							06/17/2004	1534
ICV		M0393	0.49482465		0.500		99.0	%	90-110	06/17/2004	1538
CCV		M0388	0.52393773		0.50		104.8	%	90-110	06/17/2004	1543
CCB			0.00062577							06/17/2004	1552
MB		3010.	0.00035992							06/17/2004	1615
LCS		M351	0.25514618		0.25		102.1	%	80-120	06/17/2004	1618
CCV		M0388	0.52294855		0.50		104.6	%	90-110	06/17/2004	1649
CCB			0.00104539							06/17/2004	1701
MS	225321-3	M351	0.26392550		0.25	-0.0011780	106.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.26311295	0.26392550	0.25	-0.0011780	105.7	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0003230							06/17/2004	1740
CCV		M0388	0.51546221		0.50		103.1	%	90-110	06/17/2004	1744
CCB			-0.0004869							06/17/2004	1752
CS		M351	0.25973267		0.25		103.9	%	80-120	06/17/2004	1756
MB		3010	0.00134675							06/17/2004	1822
LCS		M351	0.25002895		0.25		100.0	%	80-120	06/17/2004	1829
CCV		M0388	0.51268350		0.50		102.5	%	90-110	06/17/2004	1838
CCB			0.00025155							06/17/2004	1851
MS	225281-1	M351	0.25556825		0.25	-0.0004380	102.4	%	75-125	06/17/2004	1858
CCV		M0388	0.51527805		0.50		103.1	%	90-110	06/17/2004	1934
CCB			0.00101947							06/17/2004	1942
MB		3050	-0.0000599							06/17/2004	2004
LCS		M351	0.25278149		0.25		101.1	%	11-189	06/17/2004	2011
SB		M383D	1.10899962		0.953		116.4	%	11-189	06/17/2004	2016
MS	225330-5	M351	0.24506019		0.25	-0.0084588	101.4	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.24867169	0.24506019	0.25	-0.0084588	102.9	%	75-125	06/17/2004	2031
							1.5	R	20		
CCV		M0388	0.52949131		0.50		105.9	%	90-110	06/17/2004	2039
CCB			-0.0002256							06/17/2004	2048

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 23460

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ENCYCLE RCRA CLOSURE	PROJECT NAME/NUMBER: ENCYCLE RCRA CLOSURE
SEND REPORT TO: KEN BRADNER & RICH MARCUS	**BILLING INFORMATION**
ADDRESS: 711 N. CARANCAHUA	BILL TO: ENCYCLE
SUITE 1700	ADDRESS:
CORPUS CHRISTI, TX 78475	
PHONE: 361 883 1753	PHONE:
FAX:	FAX: PO NO:

NUMBER OF CONTAINERS | ANALYSIS/METHOD REQUEST (As Ba, Cd, Cr, Pb, Hg, Se, Ag) | LAB JOB NO. 225335

17.3°C just sampled metals only

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST	REMARKS/PRECAUTIONS
Feed Tank 1	Feed Tank 1	6/16/04	2:55	L	1 pt poly	HNO3		1	
Tank 705320	Tank 705320	↓	3:20	L	1 pt poly	HNO3		1	

SAMPLER: Ken Bradner / Jacob Clements ARCADIS | SHIPMENT METHOD: Fed Ex | AIRBILL NO.: NA

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Bradner	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Ken Bradner / ARCADIS	TIME: 3:33	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Olga Veronica McDonald	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME: 3:33 pm	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUN 28 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225306

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/24/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

6/24/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 13

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/24/2004

Job Number.: 225306
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225306-1	TANK 715010	Water	06/15/2004	16:00	06/15/2004	16:55
225306-2	TANK 715010 DUP	Water	06/15/2004	16:00	06/15/2004	16:55
225306-3	ROTORY DRYER	Water	06/15/2004	16:20	06/15/2004	16:55

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225306 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715010
Date Sampled.....: 06/15/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 225306-1
Date Received.....: 06/15/2004
Time Received.....: 16:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/16/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	06/16/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	06/16/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	06/16/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/16/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/16/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225306 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 715010 DUP
Date Sampled.....: 06/15/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 225306-2
Date Received.....: 06/15/2004
Time Received.....: 16:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/16/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	06/16/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	06/16/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	06/16/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/16/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/16/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225306 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: ROTORY DRYER
Date Sampled.....: 06/15/2004
Time Sampled.....: 16:20
Sample Matrix.....: Water

Laboratory Sample ID: 225306-3
Date Received.....: 06/15/2004
Time Received.....: 16:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/16/04	edr
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	06/16/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	06/16/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.14	0.01	mg/L	06/16/04	jem
SW-846 6010B	Chromium (Cr), Total	0.48	0.01	mg/L	06/16/04	jem
SW-846 6010B	Lead (Pb), Total	0.68	0.01	mg/L	06/16/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/16/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/16/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/16/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225306 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 94906 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M061604HG	0.00489		0.00500		97.8	%	90-110	06/16/2004	1456
ICB			0.000014							06/16/2004	1459
LCS		M061604LG	0.00490		0.0050		98.0	%	85-115	06/16/2004	1502
MB			-0.000093							06/16/2004	1504
MS	225214-1	M061604HG	0.00507		0.00500	0.000517	91.1	%	75-125	06/16/2004	1512
MSD	225214-1	M061604HG	0.00509	0.00507	0.00500	0.000517	91.5	%	75-125	06/16/2004	1513
							0.4	R	20		
CCV		M061604HG	0.00532		0.00500		106.4	%	80-120	06/16/2004	1524
CCB			-0.000055							06/16/2004	1528
CCV		M061604HG	0.00542		0.00500		108.4	%	80-120	06/16/2004	1540
CCB			-0.000069							06/16/2004	1543

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98521813		2.00		99.3	%	90-110	06/16/2004	1628
ICV		M0368	0.98255403		1.00		98.3	%	90-110	06/16/2004	1638
ICV		M0380	0.96128043		1.00		96.1	%	90-110	06/16/2004	1647
ICB			0.00043087							06/16/2004	1713
ICV		M0393	0.46760464		0.500		93.5	%	90-110	06/16/2004	1717
CCV		M0388	0.96754056		1.00		96.8	%	90-110	06/16/2004	1722
CCB			-0.0006699							06/16/2004	1733
MB		3010	0.00084944							06/16/2004	1736
LCS		M351	0.47776931		0.500		95.6	%	80-120	06/16/2004	1743
CCV		M0388	1.02343451		1.00		102.3	%	90-110	06/16/2004	1816
CCB			0.00222317							06/16/2004	1825
MS	225310-1	M351	0.54295483		0.500	0.00654618	107.3	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.52141217	0.54295483	0.500	0.00654618	103.0	%	75-125	06/16/2004	1841
							4.0	R	20		
CCV		M0388	1.04826459		1.00		104.8	%	90-110	06/16/2004	1911
CCB			0.00096715							06/16/2004	1923

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.96754947		2.00		98.4	%	90-110	06/16/2004	1628
ICV		M0369	0.97448988		1.00		97.4	%	90-110	06/16/2004	1643
ICB			0.00010995							06/16/2004	1713
ICV		M0393	0.48268455		0.500		96.5	%	90-110	06/16/2004	1717
CCV		M0388	0.97524250		1.00		97.5	%	90-110	06/16/2004	1722
CCB			0.00023196							06/16/2004	1733
MB		3010	-0.0000988							06/16/2004	1736
S		M351	0.50232962		0.500		100.5	%	80-120	06/16/2004	1743
V		M0388	1.02645291		1.00		102.6	%	90-110	06/16/2004	1816
CCB			0.00033671							06/16/2004	1825

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225306 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	225310-1	M351	0.56064240		0.500	0.05119590	101.9	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.54218304	0.56064240	0.500	0.05119590	98.2	%	75-125	06/16/2004	1841
							3.3	R	20		
CCV		M0388	1.05653546		1.00		105.7	%	90-110	06/16/2004	1911
CCB			0.00027727							06/16/2004	1923

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.96467670		2.00		98.2	%	90-110	06/16/2004	1628
ICV		M0368	0.99652301		1.00		99.7	%	90-110	06/16/2004	1638
ICV		M0380	0.96594548		1.00		96.6	%	90-110	06/16/2004	1647
ICB			0.00020067							06/16/2004	1713
CV		M0393	0.48092859		0.500		96.2	%	90-110	06/16/2004	1717
CCV		M0388	0.96843339		1.00		96.8	%	90-110	06/16/2004	1722
CCB			0.00003055							06/16/2004	1733
MB		3010	0.00000427							06/16/2004	1736
LCS		M351	0.49477126		0.500		99.0	%	80-120	06/16/2004	1743
CCV		M0388	1.01225898		1.00		101.2	%	90-110	06/16/2004	1816
CCB			0.00002424							06/16/2004	1825
MS	225310-1	M351	0.51292673		0.500	-0.0003645	102.7	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.49205816	0.51292673	0.500	-0.0003645	98.5	%	75-125	06/16/2004	1841
							4.2	R	20		
CCV		M0388	1.04372574		1.00		104.4	%	90-110	06/16/2004	1911
CCB			-0.0000284							06/16/2004	1923

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97266313		2.00		98.6	%	90-110	06/16/2004	1628
ICV		M0368	0.98987393		1.00		99.0	%	90-110	06/16/2004	1638
ICV		M0380	0.96574084		1.00		96.6	%	90-110	06/16/2004	1647
ICB			0.00007592							06/16/2004	1713
ICV		M0393	0.47663100		0.500		95.3	%	90-110	06/16/2004	1717
CCV		M0388	0.96778163		1.00		96.8	%	90-110	06/16/2004	1722
CCB			-0.0003932							06/16/2004	1733
MB		3010	-0.0005630							06/16/2004	1736
LCS		M351	0.49821012		0.500		99.6	%	80-120	06/16/2004	1743
CCV		M0388	1.01799452		1.00		101.8	%	90-110	06/16/2004	1816
CCB			-0.0003327							06/16/2004	1825
MS	225310-1	M351	0.51608480		0.500	0.00012587	103.2	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.49610734	0.51608480	0.500	0.00012587	99.2	%	75-125	06/16/2004	1841
							3.9	R	20		
CV		M0388	1.04995829		1.00		105.0	%	90-110	06/16/2004	1911
CCB			-0.0005773							06/16/2004	1923

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225306 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00325455		2.00		100.2	%	90-110	06/16/2004	1628
ICV		M0368	1.00805817		1.00		100.8	%	90-110	06/16/2004	1638
ICV		M0380	0.98943684		1.00		98.9	%	90-110	06/16/2004	1647
ICB			-0.0002375							06/16/2004	1713
ICV		M0393	0.48264852		0.500		96.5	%	90-110	06/16/2004	1717
CCV		M0388	0.97879639		1.00		97.9	%	90-110	06/16/2004	1722
CCB			-0.0014430							06/16/2004	1733
MB		3010	-0.0021962							06/16/2004	1736
LCS		M351	0.48085590		0.500		96.2	%	80-120	06/16/2004	1743
CCV		M0388	1.02921638		1.00		102.9	%	90-110	06/16/2004	1816
CCB			-0.0016448							06/16/2004	1825
MS	225310-1	M351	0.51673248		0.500	0.00211448	102.9	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.49628821	0.51673248	0.500	0.00211448	98.8	%	75-125	06/16/2004	1841
							4.0	R	20		
CCV		M0388	1.06239650		1.00		106.2	%	90-110	06/16/2004	1911
CCB			-0.0018722							06/16/2004	1923

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99275048		2.00		99.6	%	90-110	06/16/2004	1628
ICV		M0368	1.00149414		1.00		100.1	%	90-110	06/16/2004	1638
ICV		M0380	0.96647853		1.00		96.6	%	90-110	06/16/2004	1647
ICB			-0.0035500							06/16/2004	1713
ICV		M0393	0.46738986		0.500		93.5	%	90-110	06/16/2004	1717
CCV		M0388	0.97076793		1.00		97.1	%	90-110	06/16/2004	1722
CCB			0.00081761							06/16/2004	1733
MB		3010	-0.0079577							06/16/2004	1736
LCS		M351	0.48999483		0.500		98.0	%	80-120	06/16/2004	1743
CCV		M0388	1.02316328		1.00		102.3	%	90-110	06/16/2004	1816
CCB			0.00383191							06/16/2004	1825
MS	225310-1	M351	0.56696720		0.500	0.01539585	110.3	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.53821824	0.56696720	0.500	0.01539585	104.6	%	75-125	06/16/2004	1841
							5.2	R	20		
CCV		M0388	1.04847578		1.00		104.8	%	90-110	06/16/2004	1911
CCB			0.00501561							06/16/2004	1923

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.98299618		1.0		98.3	%	90-110	06/16/2004	1628
ICV		M0369	0.97956574		1.00		98.0	%	90-110	06/16/2004	1643
3			0.00056878							06/16/2004	1713
,V		M0393	0.47852682		0.500		95.7	%	90-110	06/16/2004	1717
CCV		M0388	0.48922965		0.50		97.8	%	90-110	06/16/2004	1722

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225306 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94923 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000275							06/16/2004	1733
MB		3010	0.00099920							06/16/2004	1736
LCS		M351	0.24417197		0.25		97.7	%	80-120	06/16/2004	1743
CCV		M0388	0.51429167		0.50		102.9	%	90-110	06/16/2004	1816
CCB			0.00212229							06/16/2004	1825
MS	225310-1	M351	0.26133100		0.25	0.00038413	104.4	%	75-125	06/16/2004	1835
MSD	225310-1	M351	0.25297288	0.26133100	0.25	0.00038413	101.0	%	75-125	06/16/2004	1841
							3.3	R	20		
CCV		M0388	0.52988448		0.50		106.0	%	90-110	06/16/2004	1911
CCB			0.00120778							06/16/2004	1923

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
` - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL** 11.4 just sample & on ice

No. 23458

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Encycle RCRA Closure	PROJECT NAME/NUMBER: Encycle RCRA Closure
SEND REPORT TO: Ken Brandner, Rich Marcus	**BILLING INFORMATION**
ADDRESS: 711 N. Carancahua Corpus Christi, TX	BILL TO:
	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se (1 pt. poly w/ HNO3)	REMARKS/PRECAUTIONS
Tank 715010	Tank 715010	6/15/04	16:00	L	1 pt. poly	HNO_3		1	
Tank 715010 Dup.	Tank 715010 DUP	"	16:00	L	1 pt. poly	HNO_3		1	
Rotary Dryer	Rotary Dryer	"	16:20	L	1 pt poly	HNO_3		1	

LAB JOB NO.

SAMPLER: Ken Brandner | SHIPMENT METHOD: In Person | AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Brandner	6/15/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Ken Brandner / ARCADIS	TIME 4:55	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	061504	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Vivian L McDermott STL	TIME 1655	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUN 28 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225334

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/24/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

6/24/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 13

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/24/2004

Job Number.: 225334
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: LAGOON CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225334-1	S. DEMIN TANK	Water	06/16/2004	14:30	06/16/2004	15:33

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225334 Date: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Customer Sample ID: S. DEMIN TANK
Date Sampled.....: 06/16/2004
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 225334-1
Date Received.....: 06/16/2004
Time Received.....: 15:33

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/18/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	06/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Lead (Pb), Total	0.14	0.01	mg/L	06/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/17/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/17/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 94985 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M061804HG	0.00478		0.00500		95.6	%	90-110	06/18/2004	1240
ICB			-0.000087							06/18/2004	1243
LCS		M061804LG	0.00511		0.0050		102.2	%	85-115	06/18/2004	1246
MB			-0.000121							06/18/2004	1248
MS	225309-2	M061804HG	0.00497		0.00500	-0.000040	100.2	%	75-125	06/18/2004	1252
MSD	225309-2	M061804HG	0.00477	0.00497	0.00500	-0.000040	96.2	%	75-125	06/18/2004	1254
							4.1	R	20		
CCV		M061804HG	0.00481		0.00500		96.2	%	80-120	06/18/2004	1308
CCB			-0.000039							06/18/2004	1311
MS	225327-1	M061804HG	0.00481		0.00500	-0.000097	98.1	%	75-125	06/18/2004	1315
MSD	225327-1	M061804HG	0.00467	0.00481	0.00500	-0.000097	95.3	%	75-125	06/18/2004	1317
							3.0	R	20		
CCV		M061804HG	0.00460		0.00500		92.0	%	80-120	06/18/2004	1324
CCB			-0.000112							06/18/2004	1327

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01782603		2.00		100.9	%	90-110	06/17/2004	1450
ICV		M0368	0.99591355		1.00		99.6	%	90-110	06/17/2004	1459
ICV		M0380	0.99433239		1.00		99.4	%	90-110	06/17/2004	1508
ICB			-0.0019338							06/17/2004	1534
ICV		M0393	0.48769729		0.500		97.5	%	90-110	06/17/2004	1538
CCV		M0388	1.04489985		1.00		104.5	%	90-110	06/17/2004	1543
CCB			0.00027507							06/17/2004	1552
MB		3010.	-0.0065473							06/17/2004	1615
LCS		M351	0.50744318		0.500		101.5	%	80-120	06/17/2004	1618
CCV		M0388	1.03412592		1.00		103.4	%	90-110	06/17/2004	1649
CCB			-0.0062360							06/17/2004	1701
MS	225321-3	M351	0.54327039		0.500	0.00679645	107.3	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54661494	0.54327039	0.500	0.00679645	108.0	%	75-125	06/17/2004	1710
							0.6	R	20		
MB		3010	-0.0048613							06/17/2004	1740
CCV		M0388	1.02901301		1.00		102.9	%	90-110	06/17/2004	1744
CCB			-0.0029471							06/17/2004	1752
LCS		M351	0.52088848		0.500		104.2	%	80-120	06/17/2004	1756
MB		3010	0.00145681							06/17/2004	1822
LCS		M351	0.50507590		0.500		101.0	%	80-120	06/17/2004	1829
CCV		M0388	1.02193497		1.00		102.2	%	90-110	06/17/2004	1838
CCB			0.00021748							06/17/2004	1851
MS	225281-1	M351	0.51265631		0.500	-0.0003587	102.6	%	75-125	06/17/2004	1858
CCV		M0388	1.02310370		1.00		102.3	%	90-110	06/17/2004	1934
CCB			0.00133829							06/17/2004	1942
MB		3050	-0.0026917							06/17/2004	2004
LCS		M351	0.50663093		0.500		101.3	%	66-134	06/17/2004	2011
SB		M383D	2.33412556		2.31		101.0	%	66-134	06/17/2004	2016
MS	225330-5	M351	0.59004178		0.500	0.04817700	108.4	%	75-125	06/17/2004	2025
D	225330-5	M351	0.58006524	0.59004178	0.500	0.04817700	106.4	%	75-125	06/17/2004	2031
							1.7	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.01616286		1.00		101.6	%	90-110	06/17/2004	2039
CCB			0.00051787							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02131845		2.00		101.1	%	90-110	06/17/2004	1450
ICV		M0369	0.99676325		1.00		99.7	%	90-110	06/17/2004	1504
ICB			-0.0000003							06/17/2004	1534
ICV		M0393	0.49358679		0.500		98.7	%	90-110	06/17/2004	1538
CCV		M0388	1.05024682		1.00		105.0	%	90-110	06/17/2004	1543
CCB			-0.0002003							06/17/2004	1552
MB		3010.	0.00045443							06/17/2004	1615
LCS		M351	0.51622323		0.500		103.2	%	80-120	06/17/2004	1618
CCV		M0388	1.04904829		1.00		104.9	%	90-110	06/17/2004	1649
CCB			-0.0001283							06/17/2004	1701
MS	225321-3	M351	0.69582536		0.500	0.17529028	104.1	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.69614958	0.69582536	0.500	0.17529028	104.2	%	75-125	06/17/2004	1710
							0.0	R	20		
MB		3010	-0.0001681							06/17/2004	1740
CCV		M0388	1.03233164		1.00		103.2	%	90-110	06/17/2004	1744
CCB			0.00001108							06/17/2004	1752
LCS		M351	0.52148996		0.500		104.3	%	80-120	06/17/2004	1756
MB		3010	0.01491023							06/17/2004	1822
LCS		M351	0.50781053		0.500		101.6	%	80-120	06/17/2004	1829
CCV		M0388	1.02176544		1.00		102.2	%	90-110	06/17/2004	1838
CCB			-0.0000905							06/17/2004	1851
MS	225281-1	M351	0.53920971		0.500	0.03842466	100.2	%	75-125	06/17/2004	1858
CCV		M0388	1.02639640		1.00		102.6	%	90-110	06/17/2004	1934
CCB			0.00002608							06/17/2004	1942
MB		3050	-0.0003062							06/17/2004	2004
LCS		M351	0.51487830		0.500		103.0	%	58-142	06/17/2004	2011
SB		M383D	9.51638129		10.00		95.2	%	58-142	06/17/2004	2016
MS	225330-5	M351	2.08721631		0.500	1.74071367	69.3	%	75-125	06/17/2004	2025
MSD	225330-5	M351	1.91563606	2.08721631	0.500	1.74071367	35.0	%	75-125	06/17/2004	2031
							8.6	R	20		
CCV		M0388	1.06476969		1.00		106.5	%	90-110	06/17/2004	2039
CCB			0.00013687							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01725473		2.00		100.9	%	90-110	06/17/2004	1450
ICV		M0368	1.00181760		1.00		100.2	%	90-110	06/17/2004	1459
ICV		M0380	1.00677220		1.00		100.7	%	90-110	06/17/2004	1508

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			-0.0000235							06/17/2004	1534
ICV		M0393	0.49531201		0.500		99.1	%	90-110	06/17/2004	1538
CCV		M0388	1.04301228		1.00		104.3	%	90-110	06/17/2004	1543
CCB			0.00005106							06/17/2004	1552
MB		3010.	-0.0000723							06/17/2004	1615
LCS		M351	0.50692813		0.500		101.4	%	80-120	06/17/2004	1618
CCV		M0388	1.03698123		1.00		103.7	%	90-110	06/17/2004	1649
CCB			-0.0002126							06/17/2004	1701
MS	225321-3	M351	0.52194166		0.500	-0.0003299	104.5	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52029752	0.52194166	0.500	-0.0003299	104.1	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0000770							06/17/2004	1740
CCV		M0388	1.02285207		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00005433							06/17/2004	1752
LCS		M351	0.51500351		0.500		103.0	%	80-120	06/17/2004	1756
MB		3010	-0.0000410							06/17/2004	1822
LCS		M351	0.49884237		0.500		99.8	%	80-120	06/17/2004	1829
CV		M0388	1.01230879		1.00		101.2	%	90-110	06/17/2004	1838
CCB			-0.0000284							06/17/2004	1851
MS	225281-1	M351	0.50165658		0.500	-0.0003727	100.4	%	75-125	06/17/2004	1858
CCV		M0388	1.01985657		1.00		102.0	%	90-110	06/17/2004	1934
CCB			-0.0000760							06/17/2004	1942
MB		3050	0.00005414							06/17/2004	2004
LCS		M351	0.50503683		0.500		101.0	%	73-127	06/17/2004	2011
SB		M383D	1.21059755		1.27		95.3	%	73-127	06/17/2004	2016
MS	225330-5	M351	0.51769641		0.500	0.01320470	100.9	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.51164858	0.51769641	0.500	0.01320470	99.7	%	75-125	06/17/2004	2031
							1.2	R	20		
CCV		M0388	1.05086059		1.00		105.1	%	90-110	06/17/2004	2039
CCB			-0.0001155							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02471020		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	0.99492428		1.00		99.5	%	90-110	06/17/2004	1459
ICV		M0380	1.00210509		1.00		100.2	%	90-110	06/17/2004	1508
ICB			0.00033326							06/17/2004	1534
ICV		M0393	0.48909000		0.500		97.8	%	90-110	06/17/2004	1538
CCV		M0388	1.04048047		1.00		104.0	%	90-110	06/17/2004	1543
CCB			-0.0000677							06/17/2004	1552
MB		3010.	-0.0000438							06/17/2004	1615
LCS		M351	0.51034695		0.500		102.1	%	80-120	06/17/2004	1618
CCV		M0388	1.04043906		1.00		104.0	%	90-110	06/17/2004	1649
CCB			0.00004039							06/17/2004	1701
MS	225321-3	M351	0.52823089		0.500	0.00404317	104.8	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.52911295	0.52823089	0.500	0.00404317	105.0	%	75-125	06/17/2004	1710
							0.2	R	20		
MB		3010	-0.0002150							06/17/2004	1740

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02295222		1.00		102.3	%	90-110	06/17/2004	1744
CCB			0.00042935							06/17/2004	1752
LCS		M351	0.51768576		0.500		103.5	%	80-120	06/17/2004	1756
MB		3010	-0.0002206							06/17/2004	1822
LCS		M351	0.50137630		0.500		100.3	%	80-120	06/17/2004	1829
CCV		M0388	1.02022744		1.00		102.0	%	90-110	06/17/2004	1838
CCB			-0.0001536							06/17/2004	1851
MS	225281-1	M351	0.50928460		0.500	0.00044409	101.8	%	75-125	06/17/2004	1858
CCV		M0388	1.02382405		1.00		102.4	%	90-110	06/17/2004	1934
CCB			0.00043827							06/17/2004	1942
MB		3050	0.00139293							06/17/2004	2004
LCS		M351	0.53046371		0.500		106.1	%	72-127	06/17/2004	2011
SB		M383D	2.02564507		2.07		97.9	%	72-127	06/17/2004	2016
MS	225330-5	M351	0.73782517		0.500	0.21736060	104.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.92804936	0.73782517	0.500	0.21736060	142.1	%	75-125	06/17/2004	2031
							22.8	R	20		
CCV		M0388	1.06768587		1.00		106.8	%	90-110	06/17/2004	2039
CCB			0.00023333							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.04316272		2.00		102.2	%	90-110	06/17/2004	1450
ICV		M0368	1.02671087		1.00		102.7	%	90-110	06/17/2004	1459
ICV		M0380	1.03125179		1.00		103.1	%	90-110	06/17/2004	1508
ICB			-0.0022534							06/17/2004	1534
ICV		M0393	0.50533056		0.500		101.1	%	90-110	06/17/2004	1538
CCV		M0388	1.05502065		1.00		105.5	%	90-110	06/17/2004	1543
CCB			-0.0004356							06/17/2004	1552
MB		3010.	0.00004226							06/17/2004	1615
LCS		M351	0.51137727		0.500		102.3	%	80-120	06/17/2004	1618
CCV		M0388	1.04843262		1.00		104.8	%	90-110	06/17/2004	1649
CCB			-0.0039731							06/17/2004	1701
MS	225321-3	M351	0.51188980		0.500	0.00200190	102.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.51448541	0.51188980	0.500	0.00200190	102.5	%	75-125	06/17/2004	1710
							0.5	R	20		
MB		3010	-0.0006287							06/17/2004	1740
CCV		M0388	1.03985275		1.00		104.0	%	90-110	06/17/2004	1744
CCB			-0.0009648							06/17/2004	1752
LCS		M351	0.52207905		0.500		104.4	%	80-120	06/17/2004	1756
MB		3010	-0.0003507							06/17/2004	1822
LCS		M351	0.50694009		0.500		101.4	%	80-120	06/17/2004	1829
CCV		M0388	1.02274625		1.00		102.3	%	90-110	06/17/2004	1838
CCB			-0.0009027							06/17/2004	1851
MS	225281-1	M351	0.49926897		0.500	0.00089908	99.7	%	75-125	06/17/2004	1858
CCV		M0388	1.03277617		1.00		103.3	%	90-110	06/17/2004	1934
CCB			-0.0015195							06/17/2004	1942
3		3050	-0.0024221							06/17/2004	2004
LCS		M351	0.51087676		0.500		102.2	%	71-129	06/17/2004	2011

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
SB		M383D	1.95149529		2.04		95.7	%	71-129	06/17/2004	2016
MS	225330-5	M351	0.63711116		0.500	0.13646827	100.1	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.69631086	0.63711116	0.500	0.13646827	112.0	%	75-125	06/17/2004	2031
							8.9	R	20		
CCV		M0388	1.02361048		1.00		102.4	%	90-110	06/17/2004	2039
CCB			-0.0009674							06/17/2004	2048

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02307586		2.00		101.2	%	90-110	06/17/2004	1450
ICV		M0368	1.01447764		1.00		101.4	%	90-110	06/17/2004	1459
ICV		M0380	1.00968929		1.00		101.0	%	90-110	06/17/2004	1508
ICB			0.00060533							06/17/2004	1534
ICV		M0393	0.48977146		0.500		98.0	%	90-110	06/17/2004	1538
CCV		M0388	1.03872543		1.00		103.9	%	90-110	06/17/2004	1543
CCB			0.00733775							06/17/2004	1552
MB		3010.	-0.0094725							06/17/2004	1615
LCS		M351	0.49402763		0.500		98.8	%	80-120	06/17/2004	1618
CCV		M0388	1.02812421		1.00		102.8	%	90-110	06/17/2004	1649
CCB			0.00742171							06/17/2004	1701
MS	225321-3	M351	0.54502165		0.500	0.00070785	108.9	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.54730511	0.54502165	0.500	0.00070785	109.3	%	75-125	06/17/2004	1710
							0.4	R	20		
MB		3010	-0.0088297							06/17/2004	1740
CCV		M0388	1.02750530		1.00		102.8	%	90-110	06/17/2004	1744
CCB			-0.0080560							06/17/2004	1752
LCS		M351	0.50895908		0.500		101.8	%	80-120	06/17/2004	1756
MB		3010	-0.0116709							06/17/2004	1822
LCS		M351	0.49163556		0.500		98.3	%	80-120	06/17/2004	1829
CCV		M0388	1.00097401		1.00		100.1	%	90-110	06/17/2004	1838
CCB			-0.0036536							06/17/2004	1851
MS	225281-1	M351	0.51428070		0.500	0.00328510	102.2	%	75-125	06/17/2004	1858
CCV		M0388	1.01227287		1.00		101.2	%	90-110	06/17/2004	1934
CCB			-0.0026127							06/17/2004	1942
MB		3050	-0.0156337							06/17/2004	2004
LCS		M351	0.47864663		0.500		95.7	%	59-141	06/17/2004	2011
SB		M383D	0.98600439		0.996		99.0	%	59-141	06/17/2004	2016
MS	225330-5	M351	0.38034934		0.500	-0.0124743	78.6	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.56150971	0.38034934	0.500	-0.0124743	114.8	%	75-125	06/17/2004	2031
							38.5	R	20		
CCV		M0388	1.01868830		1.00		101.9	%	90-110	06/17/2004	2039
CCB			-0.0091973							06/17/2004	2048

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225334 Report Date.: 06/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94972 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00917977		1.0		100.9	%	90-110	06/17/2004	1450
ICV		M0369	0.99889801		1.00		99.9	%	90-110	06/17/2004	1504
ICB			0.00039581							06/17/2004	1534
ICV		M0393	0.49482465		0.500		99.0	%	90-110	06/17/2004	1538
CCV		M0388	0.52393773		0.50		104.8	%	90-110	06/17/2004	1543
CCB			0.00062577							06/17/2004	1552
MB		3010.	0.00035992							06/17/2004	1615
LCS		M351	0.25514618		0.25		102.1	%	80-120	06/17/2004	1618
CCV		M0388	0.52294855		0.50		104.6	%	90-110	06/17/2004	1649
CCB			0.00104539							06/17/2004	1701
MS	225321-3	M351	0.26392550		0.25	-0.0011780	106.0	%	75-125	06/17/2004	1705
MSD	225321-3	M351	0.26311295	0.26392550	0.25	-0.0011780	105.7	%	75-125	06/17/2004	1710
							0.3	R	20		
MB		3010	-0.0003230							06/17/2004	1740
CCV		M0388	0.51546221		0.50		103.1	%	90-110	06/17/2004	1744
CCB			-0.0004869							06/17/2004	1752
LCS		M351	0.25973267		0.25		103.9	%	80-120	06/17/2004	1756
B		3010	0.00134675							06/17/2004	1822
LCS		M351	0.25002895		0.25		100.0	%	80-120	06/17/2004	1829
CCV		M0388	0.51268350		0.50		102.5	%	90-110	06/17/2004	1838
CCB			0.00025155							06/17/2004	1851
MS	225281-1	M351	0.25556825		0.25	-0.0004380	102.4	%	75-125	06/17/2004	1858
CCV		M0388	0.51527805		0.50		103.1	%	90-110	06/17/2004	1934
CCB			0.00101947							06/17/2004	1942
MB		3050	-0.0000599							06/17/2004	2004
LCS		M351	0.25278149		0.25		101.1	%	11-189	06/17/2004	2011
SB		M383D	1.10899962		0.953		116.4	%	11-189	06/17/2004	2016
MS	225330-5	M351	0.24506019		0.25	-0.0084588	101.4	%	75-125	06/17/2004	2025
MSD	225330-5	M351	0.24867169	0.24506019	0.25	-0.0084588	102.9	%	75-125	06/17/2004	2031
							1.5	R	20		
CCV		M0388	0.52949131		0.50		105.9	%	90-110	06/17/2004	2039
CCB			-0.0002256							06/17/2004	2048

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/24/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.

D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.

E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.

I - Used to indicate matrix interference.

X - Indicates that a surrogate recovery is outside the specified quality control limits.

Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.

* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.

^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.

J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.

U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 23459

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Encycle Lagoon Closure	PROJECT NAME/NUMBER: Encycle Lagoon Closure
SEND REPORT TO: Ken Brandner, Rich Marcus	**BILLING INFORMATION**
ADDRESS: 711 N. Carancahua	BILL TO: Encycle
Corpus Christi, TX	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

17.3°C
Just sampled
metals only

LAB JOB NO. 225334

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se, Ag	REMARKS/PRECAUTIONS
S. Demin Tank	S. Demin Tank	6/16/04	2:30	L	1pt. poly	HNO_3		1	Rush-need 48hr turnaround.

SAMPLER: Ken Brandner / ARCADIS

SHIPMENT METHOD: In Person

AIRBILL NO.: NA

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Brandner	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Ken Brandner / ARCADIS	TIME 3:33	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Olga Veronica McDonald	6/16/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME 3:33 p.m.	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUL 19 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225413

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 07/14/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

7/14/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 11

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 07/14/2004

Job Number.: 225413
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE LAGOON CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225413-1	N. DEMIN TANK	Water	06/21/2004	16:15	06/21/2004	16:48

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225413 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSU ATTN: Richard Marcus

Customer Sample ID: N. DEMIN TANK
Date Sampled.....: 06/21/2004
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 225413-1
Date Received.....: 06/21/2004
Time Received.....: 16:48

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/22/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/22/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Lead (Pb), Total	0.1	0.01	mg/L	06/22/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/22/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/22/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/22/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 95121 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M062204HG	0.00502		0.00500		100.4	%	90-110	06/22/2004	1502
ICB			-0.000107							06/22/2004	1505
LCS		M062204LG	0.00473		0.0050		94.6	%	85-115	06/22/2004	1511
MB			-0.000047							06/22/2004	1516
MS	225365-1	M062204HG	0.00548		0.00500	0.000319	103.2	%	75-125	06/22/2004	1521
MSD	225365-1	M062204HG	0.00496	0.00548	0.00500	0.000319	92.8	%	75-125	06/22/2004	1523
							10.0	R	20		
MS	225397-1	M062204HG	0.00562		0.00500	0.000387	104.7	%	75-125	06/22/2004	1539
MSD	225397-1	M062204HG	0.00510	0.00562	0.00500	0.000387	94.3	%	75-125	06/22/2004	1540
							9.7	R	20		
CCV		M062204HG	0.00466		0.00500		93.2	%	80-120	06/22/2004	1544
CCB			-0.000056							06/22/2004	1547

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.96695670		2.00		98.3	%	90-110	06/22/2004	1418
ICV		M0368	1.01522880		1.00		101.5	%	90-110	06/22/2004	1427
ICV		M0380	1.00861544		1.00		100.9	%	90-110	06/22/2004	1436
ICB			0.00293623							06/22/2004	1502
ICV		M0393	0.50733765		0.500		101.5	%	90-110	06/22/2004	1506
CCV		M0388	1.04389860		1.00		104.4	%	90-110	06/22/2004	1511
CCB			-0.0025383							06/22/2004	1514
MB		3010	0.00103874							06/22/2004	1522
LCS		M351	0.51287692		0.500		102.6	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.69482947		0.500	0.13320981	112.3	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.70567211	0.69482947	0.500	0.13320981	114.5	%	75-125	06/22/2004	1549
							1.5	R	20		
CCV		M0388	1.03072389		1.00		103.1	%	90-110	06/22/2004	1610
CCB			-0.0013636							06/22/2004	1622
CCV		M0388	1.03786486		1.00		103.8	%	90-110	06/22/2004	1704
CCB			-0.0017013							06/22/2004	1717
CCV		M0388	1.03718084		1.00		103.7	%	90-110	06/22/2004	1808
CCB			-0.0005369							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97182808		2.00		98.6	%	90-110	06/22/2004	1418
ICV		M0369	1.02110367		1.00		102.1	%	90-110	06/22/2004	1432
ICB			0.00008654							06/22/2004	1502
ICV		M0393	0.50983068		0.500		102.0	%	90-110	06/22/2004	1506
CCV		M0388	1.02621752		1.00		102.6	%	90-110	06/22/2004	1511
CCB			0.00015082							06/22/2004	1514
MB		3010	-0.0001364							06/22/2004	1522

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M351	0.50511580		0.500		101.0	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.55719105		0.500	0.05360055	100.7	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.56812713	0.55719105	0.500	0.05360055	102.9	%	75-125	06/22/2004	1549
							1.9	R	20		
CCV		M0388	1.02675714		1.00		102.7	%	90-110	06/22/2004	1610
CCB			0.00026471							06/22/2004	1622
CCV		M0388	1.02464757		1.00		102.5	%	90-110	06/22/2004	1704
CCB			-0.0000444							06/22/2004	1717
CCV		M0388	1.02642308		1.00		102.6	%	90-110	06/22/2004	1808
CCB			-0.0001057							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97537756		2.00		98.8	%	90-110	06/22/2004	1418
ICV		M0368	1.02937124		1.00		102.9	%	90-110	06/22/2004	1427
ICV		M0380	1.01626928		1.00		101.6	%	90-110	06/22/2004	1436
ICB			-0.0000270							06/22/2004	1502
ICV		M0393	0.51349649		0.500		102.7	%	90-110	06/22/2004	1506
CCV		M0388	1.02517705		1.00		102.5	%	90-110	06/22/2004	1511
CCB			0.00007459							06/22/2004	1514
MB		3010	-0.0001483							06/22/2004	1522
LCS		M351	0.50298247		0.500		100.6	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.53163707		0.500	0.00250688	105.8	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.53830042	0.53163707	0.500	0.00250688	107.2	%	75-125	06/22/2004	1549
							1.2	R	20		
CCV		M0388	1.02534540		1.00		102.5	%	90-110	06/22/2004	1610
CCB			-0.0003081							06/22/2004	1622
CCV		M0388	1.02026515		1.00		102.0	%	90-110	06/22/2004	1704
CCB			-0.0001096							06/22/2004	1717
CCV		M0388	1.02359784		1.00		102.4	%	90-110	06/22/2004	1808
CCB			-0.0002952							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98426862		2.00		99.2	%	90-110	06/22/2004	1418
ICV		M0368	1.02686171		1.00		102.7	%	90-110	06/22/2004	1427
ICV		M0380	1.01707502		1.00		101.7	%	90-110	06/22/2004	1436
ICB			0.00011589							06/22/2004	1502
ICV		M0393	0.50788903		0.500		101.6	%	90-110	06/22/2004	1506
CCV		M0388	1.02764038		1.00		102.8	%	90-110	06/22/2004	1511
CCB			0.00037324							06/22/2004	1514
		3010	-0.0004015							06/22/2004	1522
LCS		M351	0.50204543		0.500		100.4	%	80-120	06/22/2004	1529

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	225370-1	M351	0.53064217		0.500	0.00626984	104.9	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.53760101	0.53064217	0.500	0.00626984	106.3	%	75-125	06/22/2004	1549
							1.3	R	20		
CCV		M0388	1.02334454		1.00		102.3	%	90-110	06/22/2004	1610
CCB			-0.0002818							06/22/2004	1622
CCV		M0388	1.02653911		1.00		102.7	%	90-110	06/22/2004	1704
CCB			-0.0001797							06/22/2004	1717
CCV		M0388	1.02671419		1.00		102.7	%	90-110	06/22/2004	1808
CCB			-0.0004142							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02323423		2.00		101.2	%	90-110	06/22/2004	1418
ICV		M0368	1.05793324		1.00		105.8	%	90-110	06/22/2004	1427
ICV		M0380	1.04647499		1.00		104.6	%	90-110	06/22/2004	1436
ICB			-0.0002476							06/22/2004	1502
ICV		M0393	0.52666598		0.500		105.3	%	90-110	06/22/2004	1506
CCV		M0388	1.05068730		1.00		105.1	%	90-110	06/22/2004	1511
CCB			-0.0012288							06/22/2004	1514
MB		3010	-0.0026935							06/22/2004	1522
LCS		M351	0.51630913		0.500		103.3	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.53284857		0.500	0.02604123	101.4	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.54300026	0.53284857	0.500	0.02604123	103.4	%	75-125	06/22/2004	1549
							1.9	R	20		
CCV		M0388	1.04091022		1.00		104.1	%	90-110	06/22/2004	1610
CCB			-0.0014543							06/22/2004	1622
CCV		M0388	1.03975564		1.00		104.0	%	90-110	06/22/2004	1704
CCB			-0.0021763							06/22/2004	1717
CCV		M0388	1.04423382		1.00		104.4	%	90-110	06/22/2004	1808
CCB			-0.0029962							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97358670		2.00		98.7	%	90-110	06/22/2004	1418
ICV		M0368	1.02287264		1.00		102.3	%	90-110	06/22/2004	1427
ICV		M0380	1.01803276		1.00		101.8	%	90-110	06/22/2004	1436
ICB			0.00474961							06/22/2004	1502
ICV		M0393	0.51349881		0.500		102.7	%	90-110	06/22/2004	1506
CCV		M0388	1.03972970		1.00		104.0	%	90-110	06/22/2004	1511
CCB			0.00013523							06/22/2004	1514
MB		3010	-0.0086398							06/22/2004	1522
LCS		M351	0.49822956		0.500		99.6	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.58225181		0.500	0.02858052	110.7	%	75-125	06/22/2004	1543

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225413 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE LAGOON CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MSD	225370-1	M351	0.60367448	0.58225181	0.500	0.02858052	115.0	%	75-125	06/22/2004	1549
							3.6	R	20		
CCV		M0388	1.02693173		1.00		102.7	%	90-110	06/22/2004	1610
CCB			0.00505234							06/22/2004	1622
CCV		M0388	1.02446616		1.00		102.4	%	90-110	06/22/2004	1704
CCB			-0.0087748							06/22/2004	1717
CCV		M0388	1.03184813		1.00		103.2	%	90-110	06/22/2004	1808
CCB			-0.0034733							06/22/2004	1822

Test Method.....: SW-846 6010B Batch.....: 95133 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.99523452		1.0		99.5	%	90-110	06/22/2004	1418
ICV		M0369	1.03375051		1.00		103.4	%	90-110	06/22/2004	1432
ICB			0.00037639							06/22/2004	1502
ICV		M0393	0.51576157		0.500		103.2	%	90-110	06/22/2004	1506
CCV		M0388	0.51780373		0.50		103.6	%	90-110	06/22/2004	1511
CCB			-0.0004370							06/22/2004	1514
MB		3010	0.00076031							06/22/2004	1522
LCS		M351	0.25360022		0.25		101.4	%	80-120	06/22/2004	1529
MS	225370-1	M351	0.27441625		0.25	-0.0039549	111.3	%	75-125	06/22/2004	1543
MSD	225370-1	M351	0.28026337	0.27441625	0.25	-0.0039549	113.7	%	75-125	06/22/2004	1549
							2.1	R	20		
CCV		M0388	0.52009164		0.50		104.0	%	90-110	06/22/2004	1610
CCB			0.00030057							06/22/2004	1622
CCV		M0388	0.51995730		0.50		104.0	%	90-110	06/22/2004	1704
CCB			-0.0007394							06/22/2004	1717
CCV		M0388	0.52046534		0.50		104.1	%	90-110	06/22/2004	1808
CCB			0.00006761							06/22/2004	1822

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 23461

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Encycle Lagoon Closure	PROJECT NAME/NUMBER:	Encycle Lagoon Closure
SEND REPORT TO:	Rich Marcus / Ken Bradner	BILLING INFORMATION	
ADDRESS:	711 N. Carancahua Corpus Christi, TX	BILL TO:	Rich Marcus / Encycle
		ADDRESS:	
PHONE:	361-883-1353	PHONE:	
FAX:	361-883-7565	FAX:	PO NO:

22.5 °C

LAB JOB NO. 22543

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST (Ag, Ba, Cd, Cr, Pb, Hg, Se, Silver, Cl, pH, pal/cal, TDS)	REMARKS/PRECAUTIONS
N. Demin Tank	N. Demin Tank	6/21/04	16:45	L	1 pt poly	HNO3	1		Rush-48 hour Turnaround

SAMPLER: Ken Bradner / AKCADIS

SHIPMENT METHOD: In Person

AIRBILL NO.: —

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☒ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	6/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Kenneth Bradner / AKCADIS	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	6/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL Corpus	TIME 1648	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

SEVERN TRENT STL

RECEIVED
JUL 19 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225420

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 07/14/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

7/14/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 18

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 07/14/2004

Job Number.: 225420
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225420-1	US FILTER 1	Water	06/22/2004	14:50	06/22/2004	15:19
225420-2	US FILTER 2	Water	06/22/2004	14:53	06/22/2004	15:19
225420-3	US FILTER 3	Water	06/22/2004	14:57	06/22/2004	15:19
225420-4	US FILTER 5	Water	06/22/2004	15:01	06/22/2004	15:19

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225420

Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 1
Date Sampled.....: 06/22/2004
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 225420-1
Date Received.....: 06/22/2004
Time Received.....: 15:19

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	06/23/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/23/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/23/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225420 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 2
Date Sampled.....: 06/22/2004
Time Sampled.....: 14:53
Sample Matrix.....: Water

Laboratory Sample ID: 225420-2
Date Received.....: 06/22/2004
Time Received.....: 15:19

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	06/23/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/23/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/23/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225420 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 3
Date Sampled.....: 06/22/2004
Time Sampled.....: 14:57
Sample Matrix.....: Water

Laboratory Sample ID: 225420-3
Date Received.....: 06/22/2004
Time Received.....: 15:19

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Barium (Ba), Total	0.1	0.01	mg/L	06/23/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/23/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/23/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225420 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 5
Date Sampled.....: 06/22/2004
Time Sampled.....: 15:01
Sample Matrix.....: Water

Laboratory Sample ID: 225420-4
Date Received.....: 06/22/2004
Time Received.....: 15:19

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/28/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Barium (Ba), Total	0.1	0.01	mg/L	06/23/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Lead (Pb), Total	0.04	0.01	mg/L	06/23/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/23/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/23/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/23/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 95367 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M062804HG	0.00484		0.00500		96.8	%	90-110	06/28/2004	1500
ICB			0.000058							06/28/2004	1502
LCS		M062804LG	0.00505		0.0050		101.0	%	85-115	06/28/2004	1507
MB			0.000065							06/28/2004	1540
MS	225420-2	M062804HG	0.00592		0.00500	0.000103	116.3	%	75-125	06/28/2004	1554
MSD	225420-2	M062804HG	0.00580	0.00592	0.00500	0.000103	113.9	%	75-125	06/28/2004	1556
							2.0	R	20		
CCV		M062804HG	0.00505		0.00500		101.0	%	80-120	06/28/2004	1559
CCB			0.000110							06/28/2004	1603
CCV		M062804HG	0.00508		0.00500		101.6	%	80-120	06/28/2004	1621
CCB			0.000126							06/28/2004	1624
LCS		M062804LG	0.00491		0.0050		98.2	%	85-115	06/28/2004	1626
MB			-0.000187							06/28/2004	1627
MS	225424-1	M062804HG	0.00496		0.00500	0.000061	98.0	%	75-125	06/28/2004	1639
MSD	225424-1	M062804HG	0.00470	0.00496	0.00500	0.000061	92.8	%	75-125	06/28/2004	1641
							5.4	R	20		
:V		M062804HG	0.00484		0.00500		96.8	%	80-120	06/28/2004	1652
CB			-0.000097							06/28/2004	1655

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02812393		2.00		101.4	%	90-110	06/23/2004	1334
ICV		M0368	1.01309006		1.00		101.3	%	90-110	06/23/2004	1343
ICV		M0380	1.01612270		1.00		101.6	%	90-110	06/23/2004	1352
ICB			-0.0034057							06/23/2004	1406
ICV		M0393	0.50024683		0.500		100.0	%	90-110	06/23/2004	1422
CCV		M0388	1.03894781		1.00		103.9	%	90-110	06/23/2004	1427
CCB			-0.0080749							06/23/2004	1438
MB		3051.	-0.0038024							06/23/2004	1444
LCS		M351	0.48224399		0.500		96.4	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.48879879		0.500	-0.0121057	100.2	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.47166941	0.48879879	0.500	-0.0121057	96.8	%	75-125	06/23/2004	1505
							3.6	R	20		
MB		3050.	-0.0073619							06/23/2004	1514
LCS		M351	0.55389483		0.500		110.8	%	66-134	06/23/2004	1517
SB		M383D	2.30882721		2.31		99.9	%	66-134	06/23/2004	1523
CCV		M0388	1.05348489		1.00		105.3	%	90-110	06/23/2004	1528
CCB			-0.0040261							06/23/2004	1534
MS	225404-1	M351	0.60950118		0.500	0.13227325	95.4	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.60003512	0.60950118	0.500	0.13227325	93.6	%	75-125	06/23/2004	1559
							1.6	R	20		
CCV		M0388	1.04045833		1.00		104.0	%	90-110	06/23/2004	1611
CCB			0.00050858							06/23/2004	1625
MB		3010	0.00035979							06/23/2004	1706
CS		M351	0.50889644		0.500		101.8	%	80-120	06/23/2004	1713
	225420-1	M351	0.54809315		0.500	-0.0037608	110.4	%	75-125	06/23/2004	1733
MSD	225420-1	M351	0.53511074	0.54809315	0.500	-0.0037608	107.8	%	75-125	06/23/2004	1738
							2.4	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.04222465		1.00		104.2	%	90-110	06/23/2004	1747
CCB			-0.0088361							06/23/2004	1801
CCV		M0388	1.02940687		1.00		102.9	%	90-110	06/23/2004	1847
CCB			-0.0055245							06/23/2004	1901
MSD	225419-5	M351	0.48853669	0.49906346	0.500	-0.0022809	98.2	%	75-125	06/23/2004	1905
							2.1	R	20		
MB		3050	-0.0050142							06/23/2004	1913
LCS		M351	0.50665135		0.500		101.3	%	66-134	06/23/2004	1920
SB		M383D	2.22732647		2.31		96.4	%	66-134	06/23/2004	1926
MS	225414-1	M351	0.62590775		0.500	0.30756633	63.7	%	75-125	06/23/2004	1942
MSD	225414-1	M351	0.70291619	0.62590775	0.500	0.30756633	79.1	%	75-125	06/23/2004	1947
							11.6	R	20		
CCV		M0388	1.04563415		1.00		104.6	%	90-110	06/23/2004	2001
CCB			-0.0039505							06/23/2004	2015
CCV		M0388	1.04929384		1.00		104.9	%	90-110	06/23/2004	2101
CCB			-0.0113311							06/23/2004	2115
CV		M0388	1.04433680		1.00		104.4	%	90-110	06/23/2004	2139
CCB			-0.0074853							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01276834		2.00		100.6	%	90-110	06/23/2004	1334
ICV		M0369	1.00661614		1.00		100.7	%	90-110	06/23/2004	1348
ICB			-0.0002253							06/23/2004	1406
ICV		M0393	0.51193939		0.500		102.4	%	90-110	06/23/2004	1422
CCV		M0388	1.04588677		1.00		104.6	%	90-110	06/23/2004	1427
CCB			0.00000805							06/23/2004	1438
MB		3051.	0.00830359							06/23/2004	1444
LCS		M351	0.49873210		0.500		99.7	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.50566680		0.500	0.00082036	101.0	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.48627163	0.50566680	0.500	0.00082036	97.1	%	75-125	06/23/2004	1505
							3.9	R	20		
MB		3050.	0.00128757							06/23/2004	1514
LCS		M351	0.56895744		0.500		113.8	%	58-142	06/23/2004	1517
SB		M383D	9.49097624		10.00		94.9	%	58-142	06/23/2004	1523
CCV		M0388	1.04514491		1.00		104.5	%	90-110	06/23/2004	1528
CCB			0.00113186							06/23/2004	1534
MS	225404-1	M351	1.41036731		0.500	0.93621554	94.8	%	75-125	06/23/2004	1553
MSD	225404-1	M351	1.24601549	1.41036731	0.500	0.93621554	62.0	%	75-125	06/23/2004	1559
							12.4	R	20		
CCV		M0388	1.03371039		1.00		103.4	%	90-110	06/23/2004	1611
CCB			-0.0000759							06/23/2004	1625
MB		3010	-0.0004381							06/23/2004	1706
LCS		M351	0.51157209		0.500		102.3	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.60420830		0.500	0.08499348	103.8	%	75-125	06/23/2004	1733
SD	225420-1	M351	0.59218025	0.60420830	0.500	0.08499348	101.4	%	75-125	06/23/2004	1738
							2.0	R	20		
CCV		M0388	1.04777714		1.00		104.8	%	90-110	06/23/2004	1747

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000058							06/23/2004	1801
CCV		M0388	1.06778345		1.00		106.8	%	90-110	06/23/2004	1847
CCB			0.00362262							06/23/2004	1901
MSD	225419-5	M351	28.6689108	28.7447884	0.500	29.3188020	-130.0	%	75-125	06/23/2004	1905
							0.3	R	20		
MB		3050	0.00877901							06/23/2004	1913
LCS		M351	0.52646958		0.500		105.3	%	58-142	06/23/2004	1920
SB		M383D	9.04576446		10.00		90.5	%	58-142	06/23/2004	1926
MS	225414-1	M351	1.24250733		0.500	0.84598759	79.3	%	75-125	06/23/2004	1942
MSD	225414-1	M351	1.29162140	1.24250733	0.500	0.84598759	89.1	%	75-125	06/23/2004	1947
							3.9	R	20		
CCV		M0388	1.03334739		1.00		103.3	%	90-110	06/23/2004	2001
CCB			0.00055544							06/23/2004	2015
CCV		M0388	1.03981886		1.00		104.0	%	90-110	06/23/2004	2101
CCB			0.00032119							06/23/2004	2115
CCV		M0388	1.03510141		1.00		103.5	%	90-110	06/23/2004	2139
CB			0.00027155							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01932904		2.00		101.0	%	90-110	06/23/2004	1334
ICV		M0368	1.03405798		1.00		103.4	%	90-110	06/23/2004	1343
ICV		M0380	1.01013184		1.00		101.0	%	90-110	06/23/2004	1352
ICB			-0.0001880							06/23/2004	1406
ICV		M0393	0.51676744		0.500		103.4	%	90-110	06/23/2004	1422
CCV		M0388	1.03768739		1.00		103.8	%	90-110	06/23/2004	1427
CCB			-0.0003573							06/23/2004	1438
MB		3051.	0.00134128							06/23/2004	1444
LCS		M351	0.48829612		0.500		97.7	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.49107615		0.500	0.00072012	98.1	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.47146929	0.49107615	0.500	0.00072012	94.1	%	75-125	06/23/2004	1505
							4.1	R	20		
MB		3050.	0.00091541							06/23/2004	1514
LCS		M351	0.55391686		0.500		110.8	%	73-127	06/23/2004	1517
SB		M383D	1.21194729		1.27		95.4	%	73-127	06/23/2004	1523
CCV		M0388	1.04185864		1.00		104.2	%	90-110	06/23/2004	1528
CCB			-0.0001202							06/23/2004	1534
MS	225404-1	M351	0.50690496		0.500	0.02656531	96.1	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.50842386	0.50690496	0.500	0.02656531	96.4	%	75-125	06/23/2004	1559
							0.3	R	20		
CCV		M0388	1.02610623		1.00		102.6	%	90-110	06/23/2004	1611
CCB			-0.0003724							06/23/2004	1625
MB		3010	-0.0002394							06/23/2004	1706
LCS		M351	0.50848750		0.500		101.7	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.52402478		0.500	0.00017546	104.8	%	75-125	06/23/2004	1733
D	225420-1	M351	0.50954719	0.52402478	0.500	0.00017546	101.9	%	75-125	06/23/2004	1738
							2.8	R	20		
CCV		M0388	1.04575615		1.00		104.6	%	90-110	06/23/2004	1747

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0005076							06/23/2004	1801
CCV		M0388	1.03582997		1.00		103.6	%	90-110	06/23/2004	1847
CCB			-0.0004409							06/23/2004	1901
MSD	225419-5	M351	0.49591309	0.49717972	0.500	0.00143937	98.9	%	75-125	06/23/2004	1905
							0.3	R	20		
MB		3050	-0.0003627							06/23/2004	1913
LCS		M351	0.50914978		0.500		101.8	%	73-127	06/23/2004	1920
SB		M383D	1.19636440		1.27		94.2	%	73-127	06/23/2004	1926
MS	225414-1	M351	0.47350986		0.500	0.01401832	91.9	%	75-125	06/23/2004	1942
MSD	225414-1	M351	0.46975917	0.47350986	0.500	0.01401832	91.1	%	75-125	06/23/2004	1947
							0.8	R	20		
CCV		M0388	1.02669038		1.00		102.7	%	90-110	06/23/2004	2001
CCB			-0.0003254							06/23/2004	2015
CCV		M0388	1.03521606		1.00		103.5	%	90-110	06/23/2004	2101
CCB			-0.0004158							06/23/2004	2115
CCV		M0388	1.03255494		1.00		103.3	%	90-110	06/23/2004	2139
CB			-0.0005378							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01622804		2.00		100.8	%	90-110	06/23/2004	1334
ICV		M0368	1.02616197		1.00		102.6	%	90-110	06/23/2004	1343
ICV		M0380	1.00526492		1.00		100.5	%	90-110	06/23/2004	1352
ICB			-0.0003657							06/23/2004	1406
ICV		M0393	0.50491567		0.500		101.0	%	90-110	06/23/2004	1422
CCV		M0388	1.03625784		1.00		103.6	%	90-110	06/23/2004	1427
CCB			-0.0002887							06/23/2004	1438
MB		3051.	0.00211145							06/23/2004	1444
LCS		M351	0.49611707		0.500		99.2	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.50560725		0.500	0.00197664	100.7	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.48566880	0.50560725	0.500	0.00197664	96.7	%	75-125	06/23/2004	1505
							4.0	R	20		
MB		3050.	0.00073827							06/23/2004	1514
LCS		M351	0.56015074		0.500		112.0	%	72-127	06/23/2004	1517
SB		M383D	2.02957525		2.07		98.0	%	72-127	06/23/2004	1523
CCV		M0388	1.03292265		1.00		103.3	%	90-110	06/23/2004	1528
CCB			0.00034870							06/23/2004	1534
MS	225404-1	M351	0.98414119		0.500	0.45731475	105.4	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.89850557	0.98414119	0.500	0.45731475	88.2	%	75-125	06/23/2004	1559
							9.1	R	20		
CCV		M0388	1.02724907		1.00		102.7	%	90-110	06/23/2004	1611
CCB			-0.0005254							06/23/2004	1625
MB		3010	-0.0004335							06/23/2004	1706
LCS		M351	0.50641552		0.500		101.3	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.52469629		0.500	0.00005386	104.9	%	75-125	06/23/2004	1733
D	225420-1	M351	0.51308298	0.52469629	0.500	0.00005386	102.6	%	75-125	06/23/2004	1738
							2.2	R	20		
CCV		M0388	1.04283265		1.00		104.3	%	90-110	06/23/2004	1747

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0003159							06/23/2004	1801
CCV		M0388	1.03470045		1.00		103.5	%	90-110	06/23/2004	1847
CCB			-0.0005335							06/23/2004	1901
MSD	225419-5	M351	0.52471292	0.53149124	0.500	0.02472873	100.0	%	75-125	06/23/2004	1905
							1.3	R	20		
MB		3050	-0.0003429							06/23/2004	1913
LCS		M351	0.51824807		0.500		103.6	%	72-127	06/23/2004	1920
SB		M383D	1.94834849		2.07		94.1	%	72-127	06/23/2004	1926
MS	225414-1	M351	0.62183174		0.500	0.12104952	100.2	%	75-125	06/23/2004	1942
MSD	225414-1	M351	0.60549441	0.62183174	0.500	0.12104952	96.9	%	75-125	06/23/2004	1947
							2.7	R	20		
CCV		M0388	1.02475812		1.00		102.5	%	90-110	06/23/2004	2001
CCB			-0.0003805							06/23/2004	2015
CCV		M0388	1.03184748		1.00		103.2	%	90-110	06/23/2004	2101
CCB			-0.0003119							06/23/2004	2115
CCV		M0388	1.03117335		1.00		103.1	%	90-110	06/23/2004	2139
CB			-0.0005747							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.03010582		2.00		101.5	%	90-110	06/23/2004	1334
ICV		M0368	1.05102668		1.00		105.1	%	90-110	06/23/2004	1343
ICV		M0380	1.04777653		1.00		104.8	%	90-110	06/23/2004	1352
ICB			-0.0007006							06/23/2004	1406
ICV		M0393	0.52684338		0.500		105.4	%	90-110	06/23/2004	1422
CCV		M0388	1.05367968		1.00		105.4	%	90-110	06/23/2004	1427
CCB			-0.0032211							06/23/2004	1438
MB		3051.	-0.0005409							06/23/2004	1444
LCS		M351	0.50348060		0.500		100.7	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.50829247		0.500	-0.0026767	102.2	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.49143721	0.50829247	0.500	-0.0026767	98.8	%	75-125	06/23/2004	1505
							3.4	R	20		
MB		3050.	-0.0022638							06/23/2004	1514
LCS		M351	0.56514454		0.500		113.0	%	71-129	06/23/2004	1517
SB		M383D	1.93907763		2.04		95.1	%	71-129	06/23/2004	1523
CCV		M0388	1.05606686		1.00		105.6	%	90-110	06/23/2004	1528
CCB			-0.0021605							06/23/2004	1534
MS	225404-1	M351	0.66701009		0.500	0.17941578	97.5	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.72300942	0.66701009	0.500	0.17941578	108.7	%	75-125	06/23/2004	1559
							8.1	R	20		
CCV		M0388	1.04293758		1.00		104.3	%	90-110	06/23/2004	1611
CCB			-0.0028101							06/23/2004	1625
MB		3010	-0.0016315							06/23/2004	1706
LCS		M351	0.51524527		0.500		103.0	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.53004402		0.500	0.00446762	105.1	%	75-125	06/23/2004	1733
MD	225420-1	M351	0.51653418	0.53004402	0.500	0.00446762	102.4	%	75-125	06/23/2004	1738
							2.6	R	20		
CCV		M0388	1.04602237		1.00		104.6	%	90-110	06/23/2004	1747

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0037243							06/23/2004	1801
CCV		M0388	1.05662940		1.00		105.7	%	90-110	06/23/2004	1847
CCB			-0.0031678							06/23/2004	1901
MSD	225419-5	M351	0.52446542	0.52632783	0.500	0.02604223	99.7	%	75-125	06/23/2004	1905
							0.4	R	20		
MB		3050	-0.0023889							06/23/2004	1913
LCS		M351	0.55412755		0.500		110.8	%	71-129	06/23/2004	1920
SB		M383D	1.86095852		2.04		91.2	%	71-129	06/23/2004	1926
CCV		M0388	1.08761912		1.00		108.8	%	90-110	06/23/2004	2101
CCB			0.01857387							06/23/2004	2115
CCV		M0388	1.08477219		1.00		108.5	%	90-110	06/23/2004	2139
CCB			0.01224597							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.04830881		2.00		102.4	%	90-110	06/23/2004	1334
ICV		M0368	1.02116750		1.00		102.1	%	90-110	06/23/2004	1343
ICV		M0380	1.01145160		1.00		101.1	%	90-110	06/23/2004	1352
ICB			0.01064110							06/23/2004	1406
ICV		M0393	0.51223918		0.500		102.4	%	90-110	06/23/2004	1422
CCV		M0388	1.04708246		1.00		104.7	%	90-110	06/23/2004	1427
CCB			0.00724805							06/23/2004	1438
MB		3051.	0.01119563							06/23/2004	1444
LCS		M351	0.46875980		0.500		93.8	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.47333422		0.500	0.00905681	92.9	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.45714225	0.47333422	0.500	0.00905681	89.6	%	75-125	06/23/2004	1505
							3.5	R	20		
MB		3050.	0.00576278							06/23/2004	1514
LCS		M351	0.54604815		0.500		109.2	%	59-141	06/23/2004	1517
SB		M383D	0.97283505		0.996		97.7	%	59-141	06/23/2004	1523
CCV		M0388	1.04357229		1.00		104.4	%	90-110	06/23/2004	1528
CCB			0.00066750							06/23/2004	1534
MS	225404-1	M351	0.33196221		0.500	-0.1304220	92.5	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.35588872	0.33196221	0.500	-0.1304220	97.3	%	75-125	06/23/2004	1559
							7.0	R	20		
CCV		M0388	1.04232765		1.00		104.2	%	90-110	06/23/2004	1611
CCB			0.00894862							06/23/2004	1625
MB		3010.	0.01029768							06/23/2004	1709
LCS		M351	0.50422030		0.500		100.8	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.55188071		0.500	0.00243823	109.9	%	75-125	06/23/2004	1733
MSD	225420-1	M351	0.53697146	0.55188071	0.500	0.00243823	106.9	%	75-125	06/23/2004	1738
							2.7	R	20		
CCV		M0388	1.03934000		1.00		103.9	%	90-110	06/23/2004	1747
CCB			0.00170698							06/23/2004	1801
CCV		M0388	1.03990151		1.00		104.0	%	90-110	06/23/2004	1847
CB			0.00497433							06/23/2004	1901
MSD	225419-5	M351	0.51212312	0.51397148	0.500	0.01506259	99.4	%	75-125	06/23/2004	1905
							0.4	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MB		3050	0.00823911							06/23/2004	1913
LCS		M351	0.48763291		0.500		97.5	%	59-141	06/23/2004	1920
SB		M383D	0.91866661		0.996		92.2	%	59-141	06/23/2004	1926
MS	225414-1	M351	0.51398664		0.500	0.04769630	93.3	%	75-125	06/23/2004	1942
MSD	225414-1	M351	0.51415842	0.51398664	0.500	0.04769630	93.3	%	75-125	06/23/2004	1947
							0.0	R	20		
CCV		M0388	1.03971986		1.00		104.0	%	90-110	06/23/2004	2001
CCB			0.00446811							06/23/2004	2015
CCV		M0388	1.03631275		1.00		103.6	%	90-110	06/23/2004	2101
CCB			0.00461281							06/23/2004	2115
CCV		M0388	1.02949701		1.00		102.9	%	90-110	06/23/2004	2139
CCB			0.00065627							06/23/2004	2153

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.01106832		1.0		101.1	%	90-110	06/23/2004	1334
ICV		M0369	1.01710972		1.00		101.7	%	90-110	06/23/2004	1348
ICB			-0.0003368							06/23/2004	1406
ICV		M0393	0.51670559		0.500		103.3	%	90-110	06/23/2004	1422
CCV		M0388	0.52623191		0.50		105.2	%	90-110	06/23/2004	1427
CCB			-0.0003534							06/23/2004	1438
MB		3051.	-0.0007394							06/23/2004	1444
LCS		M351	0.24082370		0.25		96.3	%	80-120	06/23/2004	1448
MS	225383-1	M351	0.24891611		0.25	0.00091766	99.2	%	75-125	06/23/2004	1500
MSD	225383-1	M351	0.24014776	0.24891611	0.25	0.00091766	95.7	%	75-125	06/23/2004	1505
							3.6	R	20		
MB		3050.	-0.0004674							06/23/2004	1514
LCS		M351	0.27786689		0.25		111.1	%	11-189	06/23/2004	1517
SB		M383D	1.10862058		0.953		116.3	%	11-189	06/23/2004	1523
CCV		M0388	0.52655398		0.50		105.3	%	90-110	06/23/2004	1528
CCB			0.00085495							06/23/2004	1534
MS	225404-1	M351	0.24604519		0.25	-0.0054137	100.6	%	75-125	06/23/2004	1553
MSD	225404-1	M351	0.24865819	0.24604519	0.25	-0.0054137	101.6	%	75-125	06/23/2004	1559
							1.1	R	20		
CCV		M0388	0.52426049		0.50		104.9	%	90-110	06/23/2004	1611
CCB			-0.0005712							06/23/2004	1625
MB		3010	-0.0017761							06/23/2004	1706
LCS		M351	0.25554906		0.25		102.2	%	80-120	06/23/2004	1713
MS	225420-1	M351	0.26205624		0.25	-0.0007346	105.1	%	75-125	06/23/2004	1733
MSD	225420-1	M351	0.25547646	0.26205624	0.25	-0.0007346	102.5	%	75-125	06/23/2004	1738
							2.5	R	20		
CCV		M0388	0.52856527		0.50		105.7	%	90-110	06/23/2004	1747
CCB			-0.0003463							06/23/2004	1801
CCV		M0388	0.52732696		0.50		105.5	%	90-110	06/23/2004	1847
CCB			0.00032118							06/23/2004	1901
SD	225419-5	M351	0.25436056	0.25954463	0.25	-0.0011506	102.2	%	75-125	06/23/2004	1905
							2.0	R	20		
MB		3050	0.00029469							06/23/2004	1913

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225420 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95211 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M351	0.25393135		0.25		101.6	%	11-189	06/23/2004	1920
SB		M383D	1.04488966		0.953		109.6	%	11-189	06/23/2004	1926
MS	225414-1	M351	0.25505692		0.25	-0.0074002	105.0	%	75-125	06/23/2004	1942
MSD	225414-1	M351	0.25279847	0.25505692	0.25	-0.0074002	104.1	%	75-125	06/23/2004	1947
							0.9	R	20		
CCV		M0388	0.51959773		0.50		103.9	%	90-110	06/23/2004	2001
CCB			-0.0008512							06/23/2004	2015
CCV		M0388	0.52700089		0.50		105.4	%	90-110	06/23/2004	2101
CCB			0.00050031							06/23/2004	2115
CCV		M0388	0.52941680		0.50		105.9	%	90-110	06/23/2004	2139
CCB			-0.0011389							06/23/2004	2153

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 23462

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ARCADIS / Encycle	PROJECT NAME/NUMBER: Encycle RCRA Closure
SEND REPORT TO: Ken Brandner / Richard Marcus	**BILLING INFORMATION**
ADDRESS: 711 N. Carancahua Corpus Christi, TX	BILL TO: Rich Marcus
	ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

4.4°C

LAB JOB NO. 225480

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se, Silver	REMARKS/PRECAUTIONS
US Filter 1	US Filter 1	6/22/04		L	1pt. poly	HNO_3		1	
US Filter 2	US Filter 2	↓		↓	↓	↓		1	
US Filter 3	US Filter 3							1	
US Filter 5	US Filter 5							1	

SAMPLER: Jacob Clements

SHIPMENT METHOD: In Person

AIRBILL NO.: —

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER _____

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	6/22/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Jacob Clements ARCADIS	TIME 1519	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	6/22/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1519	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUL 19 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225527

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 07/14/2004

Signature

7/14/04
Date

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 20

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 07/14/2004

Job Number.: 225527
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225527-1	US FILTER 4	Water	06/24/2004	15:45	06/24/2004	16:53
225527-2	US FILTER 6	Water	06/24/2004	16:00	06/24/2004	16:53
225527-3	US FILTER 6 DUP	Water	06/24/2004	16:00	06/24/2004	16:53
225527-4	FEED TANK 1 FLOOR	Water	06/24/2004	15:20	06/24/2004	16:53

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225527 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 4
Date Sampled.....: 06/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 225527-1
Date Received.....: 06/24/2004
Time Received.....: 16:53

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/30/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/28/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/28/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/28/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225527 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 6
Date Sampled.....: 06/24/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 225527-2
Date Received.....: 06/24/2004
Time Received.....: 16:53

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/30/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/28/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/28/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/28/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225527 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 6 DUP
Date Sampled.....: 06/24/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 225527-3
Date Received.....: 06/24/2004
Time Received.....: 16:53

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/30/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/28/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Selenium (Se), Total	0.02	0.01	mg/L	06/28/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/28/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/28/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225527 Date: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FEED TANK 1 FLOOR
Date Sampled.....: 06/24/2004
Time Sampled.....: 15:20
Sample Matrix.....: Water

Laboratory Sample ID: 225527-4
Date Received.....: 06/24/2004
Time Received.....: 16:53

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/30/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	06/28/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	06/28/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	06/28/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/28/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 95471 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M063004HG	0.00473		0.00500		94.6	%	90-110	06/30/2004	1608
ICB			-0.000161							06/30/2004	1611
LCS		M063004LG	0.00482		0.0050		96.4	%	85-115	06/30/2004	1614
MB			-0.000082							06/30/2004	1616
MS	225527-1	M063004HG	0.00523		0.00500	0.000354	97.5	%	75-125	06/30/2004	1631
MSD	225527-1	M063004HG	0.00466	0.00523	0.00500	0.000354	86.1	%	75-125	06/30/2004	1632
							11.5	R	20		
CCV		M063004HG	0.00499		0.00500		99.8	%	80-120	06/30/2004	1637
CCB			-0.000014							06/30/2004	1640
CCV		M063004HG	0.00529		0.00500		105.8	%	80-120	06/30/2004	1658
CCB			0.000316							06/30/2004	1700
LCS		M063004LG	0.00507		0.0050		101.4	%	85-115	06/30/2004	1703
MB			-0.000287							06/30/2004	1705
CCV		M063004HG	0.00547		0.00500		109.4	%	80-120	06/30/2004	1726
CCB			0.000283							06/30/2004	1727
MS	225414-7	M063004HG	0.00454		0.00500	-0.000098	92.8	%	75-125	06/30/2004	1732
MD	225414-7	M063004HG	0.00469	0.00454	0.00500	-0.000098	95.8	%	75-125	06/30/2004	1734
							3.3	R	20		
CCV		M063004HG	0.00467		0.00500		93.4	%	80-120	06/30/2004	1737
CCB			-0.000066							06/30/2004	1740

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99123401		2.00		99.6	%	90-110	06/28/2004	1554
ICV		M0368	1.00447385		1.00		100.4	%	90-110	06/28/2004	1603
CCV		M0388	1.04957657		1.00		105.0	%	90-110	06/28/2004	1609
ICV		M0380	1.02729279		1.00		102.7	%	90-110	06/28/2004	1700
ICB			0.00049411							06/28/2004	1714
ICB			-0.0029884							06/28/2004	1726
ICV		M0393	0.50817049		0.500		101.6	%	90-110	06/28/2004	1730
CCV		M0388	1.00875257		1.00		100.9	%	90-110	06/28/2004	1735
CCB			-0.0014390							06/28/2004	1741
MB		3050	-0.0033197							06/28/2004	1749
LCS		M351	0.51639895		0.500		103.3	%	80-120	06/28/2004	1756
LCS		M383D	2.25533657		2.31		97.6	%	80-120	06/28/2004	1802
CCV		M0388	1.01069969		1.00		101.1	%	90-110	06/28/2004	1829
CCB			-0.0046947							06/28/2004	1843
MS	225523-5	M351	0.53780154		0.500	0.07882042	91.8	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.52951789	0.53780154	0.500	0.07882042	90.1	%	75-125	06/28/2004	1850
							1.6	R	20		
MB		3010	0.00426405							06/28/2004	1857
LCS		M351	0.50697781		0.500		101.4	%	80-120	06/28/2004	1904
MS	225525-2	M351	1.10283932		0.500	0.52831285	114.9	%	75-125	06/28/2004	1922
MSD	225525-2	M351	1.07403945	1.10283932	0.500	0.52831285	109.1	%	75-125	06/28/2004	1927
							2.6	R	20		
I		M0388	1.01880343		1.00		101.9	%	90-110	06/28/2004	1933
CB			0.00127066							06/28/2004	1943
CCV		M0388	1.00393981		1.00		100.4	%	90-110	06/28/2004	2026

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0008125							06/28/2004	2031
MB		3010	-0.0071303							06/28/2004	2054
LCS		M351	0.49274887		0.500		98.5	%	80-120	06/28/2004	2100
CCV		M0388	1.00074304		1.00		100.1	%	90-110	06/28/2004	2120
CCB			0.00118242							06/28/2004	2134
MS	225513-1	M351	0.50263899		0.500	0.01159794	98.2	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.54565841	0.50263899	0.500	0.01159794	106.8	%	75-125	06/28/2004	2154
							8.2	R	20		
CCV		M0388	0.99842359		1.00		99.8	%	90-110	06/28/2004	2217
CCB			-0.0059355							06/28/2004	2227
MS	225514-1	M351	0.54794709		0.500	-0.0031330	110.2	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.56129099	0.54794709	0.500	-0.0031330	112.9	%	75-125	06/28/2004	2308
							2.4	R	20		
CCV		M0388	0.99501260		1.00		99.5	%	90-110	06/28/2004	2313
CCB			-0.0042518							06/28/2004	2327
MB		3010	-0.0060243							06/28/2004	2337
LCS		M351	0.48573519		0.500		97.1	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.52112988		0.500	0.00478197	103.3	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.52645480	0.52112988	0.500	0.00478197	104.3	%	75-125	06/29/2004	0006
							1.0	R	20		
CCV		M0388	0.99107469		1.00		99.1	%	90-110	06/29/2004	0011
CCB			-0.0035919							06/29/2004	0022
CCV		M0388	1.00212404		1.00		100.2	%	90-110	06/29/2004	0104
CCB			0.00045838							06/29/2004	0114
MB		3050	-0.0045577							06/29/2004	0139
LCS		M351	0.49938582		0.500		99.9	%	80-120	06/29/2004	0146
LCS		M383D	2.28195302		2.31		98.8	%	80-120	06/29/2004	0151
CCV		M0388	1.02167754		1.00		102.2	%	90-110	06/29/2004	0200
CCB			-0.0066587							06/29/2004	0205
MS	225492-1	M351	0.50423316		0.500	0.03744703	93.4	%	75-125	06/29/2004	0225
MSD	225492-1	M351	0.54616491	0.50423316	0.500	0.03744703	101.7	%	75-125	06/29/2004	0230
							8.0	R	20		
CCV		M0388	0.99523362		1.00		99.5	%	90-110	06/29/2004	0257
CCB			-0.0066933							06/29/2004	0308
CCV		M0388	1.00496079		1.00		100.5	%	90-110	06/29/2004	0350
CCB			-0.0054563							06/29/2004	0356

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00410919		2.00		100.2	%	90-110	06/28/2004	1554
CCV		M0388	1.06901801		1.00		106.9	%	90-110	06/28/2004	1609
ICB			-0.0001779							06/28/2004	1714
ICB			-0.0000904							06/28/2004	1726
ICV		M0393	0.51593787		0.500		103.2	%	90-110	06/28/2004	1730
CCV		M0388	1.01912361		1.00		101.9	%	90-110	06/28/2004	1735
CCB			0.00031126							06/28/2004	1741
MB		3050	-0.0004142							06/28/2004	1749
LCS		M351	0.53590063		0.500		107.2	%	80-120	06/28/2004	1756

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M383D	8.98475273		10.00		89.8	%	80-120	06/28/2004	1802
CCV		M0388	1.01694418		1.00		101.7	%	90-110	06/28/2004	1829
CCB			-0.0001406							06/28/2004	1843
MS	225523-5	M351	0.96144634		0.500	0.80789059	30.7	%	75-125	06/28/2004	1847
MSD	225523-5	M351	1.12044514	0.96144634	0.500	0.80789059	62.5	%	75-125	06/28/2004	1850
							15.3	R	20		
MB		3010	0.00054920							06/28/2004	1857
LCS		M351	0.50918992		0.500		101.8	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.74317982		0.500	0.23374406	101.9	%	75-125	06/28/2004	1922
MSD	225525-2	M351	0.73676073	0.74317982	0.500	0.23374406	100.6	%	75-125	06/28/2004	1927
							0.9	R	20		
CCV		M0388	1.01456486		1.00		101.5	%	90-110	06/28/2004	1933
CCB			-0.0001513							06/28/2004	1943
CCV		M0388	1.01145352		1.00		101.1	%	90-110	06/28/2004	2026
CCB			0.00103506							06/28/2004	2031
MB		3010	-0.0004165							06/28/2004	2054
CS		M351	0.50604547		0.500		101.2	%	80-120	06/28/2004	2100
CCV		M0388	1.01356723		1.00		101.4	%	90-110	06/28/2004	2120
CCB			0.00262572							06/28/2004	2134
MS	225513-1	M351	0.55216348		0.500	0.09089006	92.3	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.57407721	0.55216348	0.500	0.09089006	96.6	%	75-125	06/28/2004	2154
							3.9	R	20		
CCV		M0388	1.00819580		1.00		100.8	%	90-110	06/28/2004	2217
CCB			-0.0000018							06/28/2004	2227
MS	225514-1	M351	0.56496509		0.500	0.06867751	99.3	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.57577643	0.56496509	0.500	0.06867751	101.4	%	75-125	06/28/2004	2308
							1.9	R	20		
CCV		M0388	0.98009043		1.00		98.0	%	90-110	06/28/2004	2313
CCB			0.00007177							06/28/2004	2327
MB		3010	-0.0005594							06/28/2004	2337
LCS		M351	0.48877115		0.500		97.8	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.54403368		0.500	0.05844748	97.1	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.52373440	0.54403368	0.500	0.05844748	93.1	%	75-125	06/29/2004	0006
							3.8	R	20		
CCV		M0388	0.98260967		1.00		98.3	%	90-110	06/29/2004	0011
CCB			-0.0001703							06/29/2004	0022
CCV		M0388	1.00048360		1.00		100.0	%	90-110	06/29/2004	0104
CCB			-0.0001448							06/29/2004	0114
MB		3050	0.00063763							06/29/2004	0139
LCS		M351	0.54396457		0.500		108.8	%	80-120	06/29/2004	0146
LCS		M383D	9.23562155		10.00		92.4	%	80-120	06/29/2004	0151
CCV		M0388	1.02064319		1.00		102.1	%	90-110	06/29/2004	0200
CCB			0.00183177							06/29/2004	0205
MS	225492-1	M351	1.18698933		0.500	0.57025699	123.3	%	75-125	06/29/2004	0225
MSD	225492-1	M351	1.03452930	1.18698933	0.500	0.57025699	92.9	%	75-125	06/29/2004	0230
							13.7	R	20		
CCV		M0388	0.99376796		1.00		99.4	%	90-110	06/29/2004	0257
CCB			0.00020285							06/29/2004	0308
CCV		M0388	0.98825977		1.00		98.8	%	90-110	06/29/2004	0350
CCB			0.00091691							06/29/2004	0356

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00452682		2.00		100.2	%	90-110	06/28/2004	1554
ICV		M0368	1.01867275		1.00		101.9	%	90-110	06/28/2004	1603
CCV		M0388	1.05976664		1.00		106.0	%	90-110	06/28/2004	1609
ICV		M0380	1.03680278		1.00		103.7	%	90-110	06/28/2004	1700
ICB			-0.0001946							06/28/2004	1714
ICB			0.00001424							06/28/2004	1726
ICV		M0393	0.51956672		0.500		103.9	%	90-110	06/28/2004	1730
CCV		M0388	1.01426773		1.00		101.4	%	90-110	06/28/2004	1735
CCB			-0.0000109							06/28/2004	1741
MB		3050	-0.0002718							06/28/2004	1749
LCS		M351	0.52624267		0.500		105.2	%	80-120	06/28/2004	1756
LCS		M383D	1.17510351		1.27		92.5	%	80-120	06/28/2004	1802
CCV		M0388	1.02352842		1.00		102.4	%	90-110	06/28/2004	1829
CCB			-0.0002058							06/28/2004	1843
MS	225523-5	M351	0.44388775		0.500	0.00683270	87.4	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.44078430	0.44388775	0.500	0.00683270	86.8	%	75-125	06/28/2004	1850
							0.7	R	20		
3		3010	-0.0000716							06/28/2004	1857
LCS		M351	0.51078417		0.500		102.2	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.53168484		0.500	-0.0005469	106.4	%	75-125	06/28/2004	1922
MSD	225525-2	M351	0.52895432	0.53168484	0.500	-0.0005469	105.9	%	75-125	06/28/2004	1927
							0.5	R	20		
CCV		M0388	1.02234690		1.00		102.2	%	90-110	06/28/2004	1933
CCB			-0.0002391							06/28/2004	1943
CCV		M0388	1.01694209		1.00		101.7	%	90-110	06/28/2004	2026
CCB			-0.0000792							06/28/2004	2031
MB		3010	-0.0000887							06/28/2004	2054
LCS		M351	0.50592968		0.500		101.2	%	80-120	06/28/2004	2100
CCV		M0388	1.01497456		1.00		101.5	%	90-110	06/28/2004	2120
CCB			-0.0000805							06/28/2004	2134
MS	225513-1	M351	0.48379617		0.500	-0.0002356	96.8	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.49895743	0.48379617	0.500	-0.0002356	99.8	%	75-125	06/28/2004	2154
							3.1	R	20		
CCV		M0388	1.02267251		1.00		102.3	%	90-110	06/28/2004	2217
CCB			-0.0001925							06/28/2004	2227
MS	225514-1	M351	0.51105405		0.500	-0.0008334	102.4	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.52282037	0.51105405	0.500	-0.0008334	104.7	%	75-125	06/28/2004	2308
							2.3	R	20		
CCV		M0388	1.00975528		1.00		101.0	%	90-110	06/28/2004	2313
CCB			-0.0003918							06/28/2004	2327
MB		3010	-0.0002075							06/28/2004	2337
LCS		M351	0.49318146		0.500		98.6	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.49143640		0.500	-0.0007696	98.4	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.47340235	0.49143640	0.500	-0.0007696	94.8	%	75-125	06/29/2004	0006
							3.7	R	20		
CCV		M0388	0.99548894		1.00		99.5	%	90-110	06/29/2004	0011
CCB			-0.0003134							06/29/2004	0022
CCV		M0388	1.01319366		1.00		101.3	%	90-110	06/29/2004	0104
CCB			-0.0001320							06/29/2004	0114
MB		3050	-0.0001873							06/29/2004	0139
LCS		M351	0.53653706		0.500		107.3	%	80-120	06/29/2004	0146
S		M383D	1.22617555		1.27		96.5	%	80-120	06/29/2004	0151
CCV		M0388	1.03466448		1.00		103.5	%	90-110	06/29/2004	0200

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000727							06/29/2004	0205
MS	225492-1	M351	0.48511523		0.500	0.00529092	96.0	%	75-125	06/29/2004	0225
MSD	225492-1	M351	0.48586836	0.48511523	0.500	0.00529092	96.1	%	75-125	06/29/2004	0230
							0.2	R	20		
CCV		M0388	1.00801068		1.00		100.8	%	90-110	06/29/2004	0257
CCB			-0.0002120							06/29/2004	0308
CCV		M0388	1.00715478		1.00		100.7	%	90-110	06/29/2004	0350
CCB			-0.0000749							06/29/2004	0356

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
[illegible]		M0387	2.01025257		2.00		100.5	%	90-110	06/28/2004	1554
[illegible]CV		M0368	1.01275491		1.00		101.3	%	90-110	06/28/2004	1603
CCV		M0388	1.06085266		1.00		106.1	%	90-110	06/28/2004	1609
ICV		M0380	1.03109253		1.00		103.1	%	90-110	06/28/2004	1700
ICB			-0.0000762							06/28/2004	1714
ICB			-0.0004095							06/28/2004	1726
ICV		M0393	0.51060311		0.500		102.1	%	90-110	06/28/2004	1730
CCV		M0388	1.01202381		1.00		101.2	%	90-110	06/28/2004	1735
CCB			0.00016096							06/28/2004	1741
MB		3050	-0.0002656							06/28/2004	1749
LCS		M351	0.52955047		0.500		105.9	%	80-120	06/28/2004	1756
LCS		M383D	1.94501482		2.07		94.0	%	80-120	06/28/2004	1802
CCV		M0388	1.01540912		1.00		101.5	%	90-110	06/28/2004	1829
CCB			0.00041383							06/28/2004	1843
MS	225523-5	M351	0.58756736		0.500	0.10673840	96.2	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.58074519	0.58756736	0.500	0.10673840	94.8	%	75-125	06/28/2004	1850
							1.2	R	20		
MB		3010	-0.0001394							06/28/2004	1857
LCS		M351	0.50808098		0.500		101.6	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.52163695		0.500	0.00034199	104.3	%	75-125	06/28/2004	1922
MSD	225525-2	M351	0.51644986	0.52163695	0.500	0.00034199	103.2	%	75-125	06/28/2004	1927
							1.0	R	20		
CCV		M0388	1.01344063		1.00		101.3	%	90-110	06/28/2004	1933
CCB			-0.0000453							06/28/2004	1943
CCV		M0388	1.01318491		1.00		101.3	%	90-110	06/28/2004	2026
CCB			0.00055930							06/28/2004	2031
MB		3010	-0.0005357							06/28/2004	2054
LCS		M351	0.50639888		0.500		101.3	%	80-120	06/28/2004	2100
CCV		M0388	1.01353382		1.00		101.4	%	90-110	06/28/2004	2120
CCB			0.00007627							06/28/2004	2134
MS	225513-1	M351	0.44877120		0.500	0.00194794	89.4	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.50900347	0.44877120	0.500	0.00194794	101.4	%	75-125	06/28/2004	2154
							12.6	R	20		
[illegible]CV		M0388	1.02139565		1.00		102.1	%	90-110	06/28/2004	2217
[illegible]			-0.0001997							06/28/2004	2227
[illegible]	225514-1	M351	0.53071116		0.500	0.01023463	104.1	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.54483075	0.53071116	0.500	0.01023463	106.9	%	75-125	06/28/2004	2308
							2.6	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.01477720		1.00		101.5	%	90-110	06/28/2004	2313
CCB			0.00008559							06/28/2004	2327
MB		3010	-0.0004509							06/28/2004	2337
LCS		M351	0.50045197		0.500		100.1	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.75426219		0.500	0.24619326	101.6	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.72566489	0.75426219	0.500	0.24619326	95.9	%	75-125	06/29/2004	0006
							3.9	R	20		
CCV		M0388	1.01307634		1.00		101.3	%	90-110	06/29/2004	0011
CCB			0.00065831							06/29/2004	0022
CCV		M0388	1.02219627		1.00		102.2	%	90-110	06/29/2004	0104
CCB			0.00006628							06/29/2004	0114
MB		3050	-0.0004031							06/29/2004	0139
LCS		M351	0.55833351		0.500		111.7	%	80-120	06/29/2004	0146
LCS		M383D	2.03671956		2.07		98.4	%	80-120	06/29/2004	0151
CCV		M0388	1.04026355		1.00		104.0	%	90-110	06/29/2004	0200
CCB			0.00109098							06/29/2004	0205
MS	225492-1	M351	0.62636171		0.500	0.11360126	102.6	%	75-125	06/29/2004	0225
SD	225492-1	M351	0.62796294	0.62636171	0.500	0.11360126	102.9	%	75-125	06/29/2004	0230
							0.3	R	20		
CCV		M0388	1.01664595		1.00		101.7	%	90-110	06/29/2004	0257
CCB			0.00023830							06/29/2004	0308
CCV		M0388	1.01173997		1.00		101.2	%	90-110	06/29/2004	0350
CCB			0.00088711							06/29/2004	0356

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02097316		2.00		101.0	%	90-110	06/28/2004	1554
ICV		M0368	1.03365007		1.00		103.4	%	90-110	06/28/2004	1603
CCV		M0388	1.05774449		1.00		105.8	%	90-110	06/28/2004	1609
ICV		M0380	1.05735928		1.00		105.7	%	90-110	06/28/2004	1700
ICB			-0.0065416							06/28/2004	1714
ICB			-0.0061829							06/28/2004	1726
ICV		M0393	0.52292897		0.500		104.6	%	90-110	06/28/2004	1730
CCV		M0388	1.01266789		1.00		101.3	%	90-110	06/28/2004	1735
CCB			-0.0074933							06/28/2004	1741
MB		3050	-0.0073504							06/28/2004	1749
LCS		M351	0.51555619		0.500		103.1	%	80-120	06/28/2004	1756
LCS		M383D	1.82960528		2.04		89.7	%	80-120	06/28/2004	1802
CCV		M0388	1.01334304		1.00		101.3	%	90-110	06/28/2004	1829
CCB			-0.0090470							06/28/2004	1843
MS	225523-5	M351	0.52427980		0.500	0.11464612	81.9	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.53473558	0.52427980	0.500	0.11464612	84.0	%	75-125	06/28/2004	1850
							2.0	R	20		
MB		3010	-0.0097356							06/28/2004	1857
LCS		M351	0.50570730		0.500		101.1	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.58556210		0.500	0.06524153	104.1	%	75-125	06/28/2004	1922
D	225525-2	M351	0.57865391	0.58556210	0.500	0.06524153	102.7	%	75-125	06/28/2004	1927
							1.2	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02345942		1.00		102.3	%	90-110	06/28/2004	1933
CCB			-0.0101340							06/28/2004	1938
CCV		M0388	1.00741567		1.00		100.7	%	90-110	06/28/2004	2026
CCB			-0.0094310							06/28/2004	2031
MB		3010	-0.0081847							06/28/2004	2054
LCS		M351	0.50106784		0.500		100.2	%	80-120	06/28/2004	2100
CCV		M0388	1.01006104		1.00		101.0	%	90-110	06/28/2004	2120
CCB			-0.0068882							06/28/2004	2134
MS	225513-1	M351	0.45994496		0.500	-0.0069920	93.4	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.48222425	0.45994496	0.500	-0.0069920	97.8	%	75-125	06/28/2004	2154
							4.7	R	20		
CCV		M0388	1.01222859		1.00		101.2	%	90-110	06/28/2004	2217
CCB			-0.0108231							06/28/2004	2227
MS	225514-1	M351	0.48879233		0.500	-0.0089007	99.5	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.49267558	0.48879233	0.500	-0.0089007	100.3	%	75-125	06/28/2004	2308
							0.8	R	20		
CV		M0388	1.00524357		1.00		100.5	%	90-110	06/28/2004	2313
CB			-0.0108993							06/28/2004	2327
MB		3010	-0.0111573							06/28/2004	2337
LCS		M351	0.48972986		0.500		97.9	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.47055174		0.500	-0.0069287	95.5	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.47497534	0.47055174	0.500	-0.0069287	96.4	%	75-125	06/29/2004	0006
							0.9	R	20		
CCV		M0388	0.99615470		1.00		99.6	%	90-110	06/29/2004	0011
CCB			-0.0099706							06/29/2004	0022
CCV		M0388	1.02198227		1.00		102.2	%	90-110	06/29/2004	0104
CCB			-0.0097416							06/29/2004	0114
MB		3050	-0.0116956							06/29/2004	0139
LCS		M351	0.50007967		0.500		100.0	%	80-120	06/29/2004	0146
LCS		M383D	1.92559520		2.04		94.4	%	80-120	06/29/2004	0151
CCV		M0388	1.03101227		1.00		103.1	%	90-110	06/29/2004	0200
CCB			-0.0108294							06/29/2004	0205
MS	225492-1	M351	0.53073790		0.500	0.08201248	89.7	%	75-125	06/29/2004	0225
MSD	225492-1	M351	0.53785006	0.53073790	0.500	0.08201248	91.2	%	75-125	06/29/2004	0230
							1.3	R	20		
CCV		M0388	1.00562667		1.00		100.6	%	90-110	06/29/2004	0257
CCB			-0.0116335							06/29/2004	0308
CCV		M0388	1.00698680		1.00		100.7	%	90-110	06/29/2004	0350
CCB			-0.0119384							06/29/2004	0356

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97629151		2.00		98.8	%	90-110	06/28/2004	1554
ICV		M0368	1.01671940		1.00		101.7	%	90-110	06/28/2004	1603
CCV		M0388	1.04592836		1.00		104.6	%	90-110	06/28/2004	1609
V		M0380	1.04788819		1.00		104.8	%	90-110	06/28/2004	1700
CB			-0.0033133							06/28/2004	1714
ICB			-0.0013169							06/28/2004	1726

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M0393	0.53035847		0.500		106.1	%	90-110	06/28/2004	1730
CCV		M0388	1.00703031		1.00		100.7	%	90-110	06/28/2004	1735
CCB			-0.0005295							06/28/2004	1741
MB		3050	0.00203592							06/28/2004	1749
LCS		M351	0.51226298		0.500		102.5	%	80-120	06/28/2004	1756
LCS		M383D	0.91853464		0.996		92.2	%	80-120	06/28/2004	1802
CCV		M0388	1.00091513		1.00		100.1	%	90-110	06/28/2004	1829
CCB			0.00691604							06/28/2004	1843
MS	225523-5	M351	0.41962409		0.500	-0.0146374	86.9	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.41525347	0.41962409	0.500	-0.0146374	86.0	%	75-125	06/28/2004	1850
							1.0	R	20		
MB		3010	0.01000865							06/28/2004	1857
LCS		M351	0.50484345		0.500		101.0	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.55080200		0.500	0.02730941	104.7	%	75-125	06/28/2004	1922
MSD	225525-2	M351	0.55854898	0.55080200	0.500	0.02730941	106.2	%	75-125	06/28/2004	1927
							1.4	R	20		
CCV		M0388	1.02167452		1.00		102.2	%	90-110	06/28/2004	1933
CB			-0.0012056							06/28/2004	1943
CCV		M0388	0.99834945		1.00		99.8	%	90-110	06/28/2004	2026
CCB			0.00652618							06/28/2004	2036
MB		3010	0.00687105							06/28/2004	2054
LCS		M351	0.50213268		0.500		100.4	%	80-120	06/28/2004	2100
CCV		M0388	0.99719424		1.00		99.7	%	90-110	06/28/2004	2120
CCB			0.00791502							06/28/2004	2134
MS	225513-1	M351	0.49394513		0.500	0.02513048	93.8	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.54827178	0.49394513	0.500	0.02513048	104.6	%	75-125	06/28/2004	2154
							10.4	R	20		
CCV		M0388	0.98781260		1.00		98.8	%	90-110	06/28/2004	2217
CCB			-0.0018332							06/28/2004	2227
MS	225514-1	M351	0.58172784		0.500	0.04555588	107.2	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.59388890	0.58172784	0.500	0.04555588	109.7	%	75-125	06/28/2004	2308
							2.1	R	20		
CCV		M0388	1.00705189		1.00		100.7	%	90-110	06/28/2004	2313
CCB			0.00459966							06/28/2004	2327
MB		3010	0.00239825							06/28/2004	2337
LCS		M351	0.48358217		0.500		96.7	%	80-120	06/28/2004	2344
MS	225515-1	M351	0.50703063		0.500	0.02867547	95.7	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.53310204	0.50703063	0.500	0.02867547	100.9	%	75-125	06/29/2004	0006
							5.0	R	20		
CCV		M0388	0.98180795		1.00		98.2	%	90-110	06/29/2004	0011
CCB			0.00570688							06/29/2004	0022
CCV		M0388	0.98077464		1.00		98.1	%	90-110	06/29/2004	0104
CCB			0.00870323							06/29/2004	0114
MB		3050	0.00514765							06/29/2004	0139
LCS		M351	0.49798541		0.500		99.6	%	80-120	06/29/2004	0146
LCS		M383D	0.94153526		0.996		94.5	%	80-120	06/29/2004	0151
CCV		M0388	1.02203308		1.00		102.2	%	90-110	06/29/2004	0200
CCB			0.00810837							06/29/2004	0205
MS	225492-1	M351	0.42214068		0.500	-0.0445874	93.3	%	75-125	06/29/2004	0225
MSD	225492-1	M351	0.43751990	0.42214068	0.500	-0.0445874	96.4	%	75-125	06/29/2004	0230
							3.6	R	20		
CV		M0388	0.98542373		1.00		98.5	%	90-110	06/29/2004	0257
CCB			-0.0019040							06/29/2004	0308

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.98455886		1.00		98.5	%	90-110	06/29/2004	0350
CCB			0.00150476							06/29/2004	0356

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00241154		1.0		100.2	%	90-110	06/28/2004	1554
CCV		M0388	0.53586943		0.50		107.2	%	90-110	06/28/2004	1609
ICB			-0.0003777							06/28/2004	1714
ICB			-0.0001724							06/28/2004	1726
ICV		M0393	0.51592528		0.500		103.2	%	90-110	06/28/2004	1730
CV		M0388	0.45597640		0.50		91.2	%	90-110	06/28/2004	1735
B			-0.0006687							06/28/2004	1741
MB		3050	0.00033248							06/28/2004	1749
LCS		M351	0.22681385		0.25		90.7	%	80-120	06/28/2004	1756
LCS		M383D	1.02740100		0.953		107.8	%	80-120	06/28/2004	1802
CCV		M0388	0.45994471		0.50		92.0	%	90-110	06/28/2004	1829
CCB			-0.0019433							06/28/2004	1843
MS	225523-5	M351	0.19667980		0.25	-0.0086021	82.1	%	75-125	06/28/2004	1847
MSD	225523-5	M351	0.19600176	0.19667980	0.25	-0.0086021	81.8	%	75-125	06/28/2004	1850
							0.3	R	20		
MB		3010	0.00004938							06/28/2004	1857
LCS		M351	0.21952396		0.25		87.8	%	80-120	06/28/2004	1904
MS	225525-2	M351	0.23155700		0.25	-0.0013782	93.2	%	75-125	06/28/2004	1922
MSD	225525-2	M351	0.23020856	0.23155700	0.25	-0.0013782	92.6	%	75-125	06/28/2004	1927
							0.6	R	20		
CCV		M0388	0.45993909		0.50		92.0	%	90-110	06/28/2004	1933
CCB			0.00036979							06/28/2004	1943
CCV		M0388	0.45963224		0.50		91.9	%	90-110	06/28/2004	2026
CCB			0.00170255							06/28/2004	2031
MB		3010	-0.0012467							06/28/2004	2054
LCS		M351	0.21834572		0.25		87.3	%	80-120	06/28/2004	2100
CCV		M0388	0.45807226		0.50		91.6	%	90-110	06/28/2004	2120
CCB			-0.0007110							06/28/2004	2134
MS	225513-1	M351	0.13281886		0.25	0.00001159	53.1	%	75-125	06/28/2004	2148
MSD	225513-1	M351	0.22459763	0.13281886	0.25	0.00001159	89.8	%	75-125	06/28/2004	2154
							51.4	R	20		
CCV		M0388	0.46098981		0.50		92.2	%	90-110	06/28/2004	2217
CCB			-0.0000627							06/28/2004	2227
MS	225514-1	M351	0.23391795		0.25	-0.0020464	94.4	%	75-125	06/28/2004	2302
MSD	225514-1	M351	0.23940801	0.23391795	0.25	-0.0020464	96.6	%	75-125	06/28/2004	2308
							2.3	R	20		
CCV		M0388	0.45677321		0.50		91.4	%	90-110	06/28/2004	2313
CCB			0.00036394							06/28/2004	2327
MB		3010	-0.0003274							06/28/2004	2337
S		M351	0.21534828		0.25		86.1	%	80-120	06/28/2004	2344
	225515-1	M351	0.22624900		0.25	-0.0010542	90.9	%	75-125	06/29/2004	0000
MSD	225515-1	M351	0.21948620	0.22624900	0.25	-0.0010542	88.2	%	75-125	06/29/2004	0006
							3.0	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225527 Report Date.: 07/14/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 95359 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.46066860		0.50		92.1	%	90-110	06/29/2004	0011
CCB			-0.0006327							06/29/2004	0022
CCV		M0388	0.46049230		0.50		92.1	%	90-110	06/29/2004	0104
CCB			-0.0001794							06/29/2004	0114
MB		3050	-0.0000144							06/29/2004	0139
LCS		M351	0.22912754		0.25		91.7	%	80-120	06/29/2004	0146
LCS		M383D	1.09770074		0.953		115.2	%	80-120	06/29/2004	0151
CCV		M0388	0.47091636		0.50		94.2	%	90-110	06/29/2004	0200
CCB			0.00094495							06/29/2004	0205
MS	225492-1	M351	0.21264270		0.25	-0.0019494	85.8	%	75-125	06/29/2004	0225
MSD	225492-1	M351	0.21436216	0.21264270	0.25	-0.0019494	86.5	%	75-125	06/29/2004	0230
							0.8	R	20		
CCV		M0388	0.46036479		0.50		92.1	%	90-110	06/29/2004	0257
CCB			-0.0000144							06/29/2004	0308
CCV		M0388	0.45894544		0.50		91.8	%	90-110	06/29/2004	0350
CCB			0.00036445							06/29/2004	0356

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/14/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 24105

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Encycle RCRA Closure	PROJECT NAME/NUMBER:	Encycle RCRA Closure
SEND REPORT TO:	Ken Brandner / Rich Marcus	BILLING INFORMATION	
ADDRESS:	711 N. Carancahua	BILL TO:	Rich Marcus
	Corpus Christi, TX 78475	ADDRESS:	
PHONE:	361-883-1353	PHONE:	
FAX:	361-883-7565	FAX:	PO NO:

18.1°C Just sampled

LAB JOB NO. 225527

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: As, Ba, Cd, Cr, Pb, Hg, Se, Silver	REMARKS/PRECAUTIONS
US Filter 4	US Filter 4	6/24/04	345	L	1pt poly	HNO_3	1	X	
US Filter 4	US Filter 6		400				1	X	
US Filter 6 Dup	US Filter 6 Dup		400				1	X	
Feed Tank 1 Floor	Feed Tank 1 Floor		320				1	X	

SAMPLER: Ken Brandner / Adrian Garcia ARCMS | SHIPMENT METHOD: In Person | AIRBILL NO.: NA

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER _____

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	6-24-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Adrian L. Garcia	TIME 16:53	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	6/24/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1653	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
JUN 14 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 224941

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/09/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

6/9/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 19

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/09/2004

Job Number.: 224941
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
224941-1	TANK 705210	Water	05/24/2004	14:30	05/24/2004	16:45
224941-2	TANK 225001	Water	05/24/2004	14:40	05/24/2004	16:45
224941-3	TANK 485260	Water	05/24/2004	14:50	05/24/2004	16:45
224941-4	FILTER 215095	Water	05/24/2004	15:00	05/24/2004	16:45
224941-5	FILTER 215095DUP	Water	05/24/2004	15:00	05/24/2004	16:45
224941-6	FILTER 215090	Water	05/24/2004	15:10	05/24/2004	16:45
224941-7	FILTER 215155	Water	05/24/2004	15:25	05/24/2004	16:45
224941-8	FILTER 215030	Water	05/24/2004	15:40	05/24/2004	16:45
224941-9	FILTER 215020	Water	05/24/2004	16:00	05/24/2004	16:45

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 705210
Date Sampled.....: 05/24/2004
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 224941-1
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 225001
Date Sampled.....: 05/24/2004
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 224941-2
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.05	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 485260
Date Sampled.....: 05/24/2004
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 224941-3
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
W-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215095
Date Sampled.....: 05/24/2004
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 224941-4
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	0.06	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.21	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	1.62	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	2.85	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	0.041	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215095DUP
Date Sampled.....: 05/24/2004
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 224941-5
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	0.06	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.18	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	1.63	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	3.12	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	0.030	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215090
Date Sampled.....: 05/24/2004
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 224941-6
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	0.04	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.06	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.03	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	0.08	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	0.23	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	0.019	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215155
Date Sampled.....: 05/24/2004
Time Sampled.....: 15:25
Sample Matrix.....: Water

Laboratory Sample ID: 224941-7
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	0.003	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	0.16	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.14	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	1.57	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	1.37	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	13.0	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215030
Date Sampled.....: 05/24/2004
Time Sampled.....: 15:40
Sample Matrix.....: Water

Laboratory Sample ID: 224941-8
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.07	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	0.05	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	0.40	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 224941 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215020
Date Sampled.....: 05/24/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 224941-9
Date Received.....: 05/24/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	06/03/04	edr
SW-846 6010B	Arsenic (As), Total	0.16	0.01	mg/L	05/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.22	0.01	mg/L	05/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.30	0.01	mg/L	05/25/04	jem
SW-846 6010B	Chromium (Cr), Total	0.18	0.01	mg/L	05/25/04	jem
SW-846 6010B	Lead (Pb), Total	6.75	0.01	mg/L	05/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	05/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	05/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			05/25/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 224941 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 94430 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M060304HG	0.00501		0.00500		100.2	%	90-110	06/03/2004	1543
ICB			-0.000108							06/03/2004	1546
LCS		M060304LG	0.00508		0.0050		101.6	%	85-115	06/03/2004	1549
MB			0.000076							06/03/2004	1551
MS	224952-1	M060304HG	0.00593		0.00500	0.000460	109.4	%	75-125	06/03/2004	1554
MSD	224952-1	M060304HG	0.00571	0.00593	0.00500	0.000460	105.0	%	75-125	06/03/2004	1556
							3.8	R	20		
CCV		M060304HG	0.00564		0.00500		112.8	%	80-120	06/03/2004	1612
CCB			0.000073							06/03/2004	1617
CCV		M060304HG	0.00517		0.00500		103.4	%	80-120	06/03/2004	1641
CCB			-0.000084							06/03/2004	1644
LCS		M060304HG	0.00560		0.00500		112.0	%	85-115	06/03/2004	1646
MB			-0.000165							06/03/2004	1647
MS	225005-1	M060304HG	0.00609		0.00500	0.000275	116.3	%	75-125	06/03/2004	1657
MSD	225005-1	M060304HG	0.00594	0.00609	0.00500	0.000275	113.3	%	75-125	06/03/2004	1659
							2.5	R	20		
CV		M060304HG	0.00544		0.00500		108.8	%	80-120	06/03/2004	1703
CCB			0.000100							06/03/2004	1705

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95422559		2.00		97.7	%	90-110	05/25/2004	1422
ICV		M0368	0.94596974		1.00		94.6	%	90-110	05/25/2004	1431
ICV		M0380	0.95974215		1.00		96.0	%	90-110	05/25/2004	1440
ICB			0.00000396							05/25/2004	1506
ICV		M0392	0.48396366		0.500		96.8	%	90-110	05/25/2004	1512
CCV		M0388	1.01212866		1.00		101.2	%	90-110	05/25/2004	1517
CCB			-0.0035944							05/25/2004	1526
MB		3010	-0.0016858							05/25/2004	1532
LCS		M351	0.49397483		0.500		98.8	%	80-120	05/25/2004	1536
CCV		M0388	1.01233456		1.00		101.2	%	90-110	05/25/2004	1618
CCB			-0.0032944							05/25/2004	1627
MS	224888-4	M351	0.57698713		0.500	0.04369126	106.7	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.55438782	0.57698713	0.500	0.04369126	102.1	%	75-125	05/25/2004	1635
							4.0	R	20		
CCV		M0388	1.00681085		1.00		100.7	%	90-110	05/25/2004	1706
CCB			-0.0054715							05/25/2004	1718
CCV		M0388	0.95252782		1.00		95.3	%	90-110	05/25/2004	1805
CCB			-0.0018713							05/25/2004	1817

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 224941 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.94462410		2.00		97.2	%	90-110	05/25/2004	1422
ICV		M0369	0.94877292		1.00		94.9	%	90-110	05/25/2004	1437
ICB			0.00006244							05/25/2004	1506
ICV		M0392	0.48264786		0.500		96.5	%	90-110	05/25/2004	1512
CCV		M0388	1.01030828		1.00		101.0	%	90-110	05/25/2004	1517
CCB			-0.0002334							05/25/2004	1526
MB		3010	0.00151398							05/25/2004	1532
LCS		M351	0.50039031		0.500		100.1	%	80-120	05/25/2004	1536
CCV		M0388	1.00385465		1.00		100.4	%	90-110	05/25/2004	1618
CCB			0.00017671							05/25/2004	1627
MS	224888-4	M351	1.34868371		0.500	0.89930713	89.9	%	75-125	05/25/2004	1630
MSD	224888-4	M351	1.33252084	1.34868371	0.500	0.89930713	86.6	%	75-125	05/25/2004	1635
							1.2	R	20		
CCV		M0388	0.99686893		1.00		99.7	%	90-110	05/25/2004	1706
CCB			0.00010760							05/25/2004	1718
CCV		M0388	0.97212991		1.00		97.2	%	90-110	05/25/2004	1805
CB			0.00016519							05/25/2004	1817

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.94566533		2.00		97.3	%	90-110	05/25/2004	1422
ICV		M0368	0.96105440		1.00		96.1	%	90-110	05/25/2004	1431
ICV		M0380	0.96800068		1.00		96.8	%	90-110	05/25/2004	1440
ICB			0.00003106							05/25/2004	1506
ICV		M0392	0.49374456		0.500		98.7	%	90-110	05/25/2004	1512
CCV		M0388	1.00629707		1.00		100.6	%	90-110	05/25/2004	1517
CCB			-0.0001407							05/25/2004	1526
MB		3010	-0.0000945							05/25/2004	1532
LCS		M351	0.49598741		0.500		99.2	%	80-120	05/25/2004	1536
CCV		M0388	1.00657516		1.00		100.7	%	90-110	05/25/2004	1618
CCB			-0.0000130							05/25/2004	1627
MS	224888-4	M351	0.48911252		0.500	0.00354845	97.1	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.47560047	0.48911252	0.500	0.00354845	94.4	%	75-125	05/25/2004	1635
							2.8	R	20		
CCV		M0388	0.99580233		1.00		99.6	%	90-110	05/25/2004	1706
CCB			-0.0001711							05/25/2004	1718
CCV		M0388	0.94310400		1.00		94.3	%	90-110	05/25/2004	1805
CCB			0.00026602							05/25/2004	1817

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 224941 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.94585250		2.00		97.3	%	90-110	05/25/2004	1422
ICV		M0368	0.95596227		1.00		95.6	%	90-110	05/25/2004	1431
ICV		M0380	0.96456436		1.00		96.5	%	90-110	05/25/2004	1440
ICB			0.00004822							05/25/2004	1506
ICV		M0392	0.48680687		0.500		97.4	%	90-110	05/25/2004	1512
CCV		M0388	1.00521067		1.00		100.5	%	90-110	05/25/2004	1517
CCB			-0.0002579							05/25/2004	1526
MB		3010	0.00021940							05/25/2004	1532
LCS		M351	0.49675291		0.500		99.4	%	80-120	05/25/2004	1536
CCV		M0388	1.00300554		1.00		100.3	%	90-110	05/25/2004	1618
CCB			-0.0000689							05/25/2004	1627
MS	224888-4	M351	0.49256874		0.500	0.00429280	97.7	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.47474178	0.49256874	0.500	0.00429280	94.1	%	75-125	05/25/2004	1635
							3.7	R	20		
CCV		M0388	0.99748514		1.00		99.7	%	90-110	05/25/2004	1706
CCB			-0.0000872							05/25/2004	1718
CV		M0388	0.96221573		1.00		96.2	%	90-110	05/25/2004	1805
CCB			-0.0003708							05/25/2004	1817

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97198699		2.00		98.6	%	90-110	05/25/2004	1422
ICV		M0368	0.99469926		1.00		99.5	%	90-110	05/25/2004	1431
ICV		M0380	1.00100229		1.00		100.1	%	90-110	05/25/2004	1440
ICB			0.00166874							05/25/2004	1506
ICV		M0392	0.50250022		0.500		100.5	%	90-110	05/25/2004	1512
CCV		M0388	1.01338560		1.00		101.3	%	90-110	05/25/2004	1517
CCB			-0.0017959							05/25/2004	1526
MB		3010	-0.0025209							05/25/2004	1532
LCS		M351	0.49888830		0.500		99.8	%	80-120	05/25/2004	1536
CCV		M0388	1.01331100		1.00		101.3	%	90-110	05/25/2004	1618
CCB			-0.0018648							05/25/2004	1627
MS	224888-4	M351	0.65302043		0.500	0.17633044	95.3	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.63524172	0.65302043	0.500	0.17633044	91.8	%	75-125	05/25/2004	1635
							2.8	R	20		
CCV		M0388	1.00743667		1.00		100.7	%	90-110	05/25/2004	1706
CCB			-0.0017040							05/25/2004	1718
CCV		M0388	0.96697641		1.00		96.7	%	90-110	05/25/2004	1805
CCB			0.00322771							05/25/2004	1817

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 224941 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97034523		2.00		98.5	%	90-110	05/25/2004	1422
ICV		M0368	0.97990942		1.00		98.0	%	90-110	05/25/2004	1431
ICV		M0380	0.98893525		1.00		98.9	%	90-110	05/25/2004	1440
ICB			-0.0030258							05/25/2004	1506
ICV		M0392	0.48559000		0.500		97.1	%	90-110	05/25/2004	1512
CCV		M0388	1.00996972		1.00		101.0	%	90-110	05/25/2004	1517
CCB			0.00272087							05/25/2004	1526
MB		3010	0.00599083							05/25/2004	1532
LCS		M351	0.50056440		0.500		100.1	%	80-120	05/25/2004	1536
CCV		M0388	1.02508069		1.00		102.5	%	90-110	05/25/2004	1618
CCB			0.00433430							05/25/2004	1627
MS	224888-4	M351	0.58155746		0.500	0.06628039	103.1	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.55665971	0.58155746	0.500	0.06628039	98.1	%	75-125	05/25/2004	1635
							4.4	R	20		
CCV		M0388	1.00179477		1.00		100.2	%	90-110	05/25/2004	1706
CCB			0.00633459							05/25/2004	1718
CV		M0388	0.94239226		1.00		94.2	%	90-110	05/25/2004	1805
CCB			0.00223814							05/25/2004	1817

Test Method.....: SW-846 6010B Batch.....: 94143 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.96864867		1.0		96.9	%	90-110	05/25/2004	1422
ICV		M0369	0.93858255		1.00		93.9	%	90-110	05/25/2004	1437
ICB			-0.0000287							05/25/2004	1506
ICV		M0392	0.48159556		0.50		96.3	%	90-110	05/25/2004	1512
CCV		M0388	0.50265832		0.50		100.5	%	90-110	05/25/2004	1517
CCB			-0.0005010							05/25/2004	1526
MB		3010	0.00029680							05/25/2004	1532
LCS		M351	0.24737152		0.25		98.9	%	80-120	05/25/2004	1536
CCV		M0388	0.50211729		0.50		100.4	%	90-110	05/25/2004	1618
CCB			0.00046823							05/25/2004	1627
MS	224888-4	M351	0.25623437		0.25	-0.0101133	106.5	%	75-125	05/25/2004	1630
MSD	224888-4	M351	0.24697306	0.25623437	0.25	-0.0101133	102.8	%	75-125	05/25/2004	1635
							3.7	R	20		
CCV		M0388	0.49820921		0.50		99.6	%	90-110	05/25/2004	1706
CCB			-0.0005321							05/25/2004	1718
CCV		M0388	0.47560999		0.50		95.1	%	90-110	05/25/2004	1805
CCB			-0.0005264							05/25/2004	1817

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/09/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-OO" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/09/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- I - Used to indicate matrix interference.
- X - Indicates that a surrogate recovery is outside the specified quality control limits.
- Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
- * - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
- ^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

- B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
- J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle RCRA Closure

Project Location: Corpus Christi, TX

Laboratory: STL

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner / ARCADIS

2.7

224941

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag (1 pt. poly w/ HNO_3)							Remarks	Total
Tank 705210	L	5/24/04 2:30		1								1
Tank 225001	L	2:40		1								1
Tank 485260	L	2:50		1								1
Filter 215095	L	3:00		1								1
Filter 215095 DUP.	L	3:00		1								1
Filter 215090	L	3:10		1								1
Filter 215155	L	3:25		1								1
Filter 215030	L	3:40		1								1
Filter 215020	L	4:00		1								1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 9

					Seal Intact?
Relinquished by: Kenneth J Brandner	Organization: ARCADIS	Date 5/24/04	Time 16:45		
Received by: [signature]	Organization: STL-CC	Date 5/24/04	Time 16:45	Yes No (N/A)	
Relinquished by: _____	Organization: _____	Date / /	Time _____		Seal Intact?
Received by: _____	Organization: _____	Date / /	Time _____	Yes No N/A	

Special Instructions/Remarks: Samples delivered in-person/ice. Results to Ken Brandner and Rich Marcus. Send invoice to Rich Marcus of Encycle for RCRA Closure.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

SEVERN TRENT STL

RECEIVED
JUN 14 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 225089

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 06/09/2004

Signature

6/9/04
Date

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 11

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 06/09/2004

Job Number.: 225089
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
225089-1	FILTER 215020	Water	06/03/2004	15:45	06/03/2004	16:25
225089-2	FILTER 215095	Water	06/03/2004	15:55	06/03/2004	16:25
225089-3	FILTER 215155	Water	06/03/2004	16:10	06/03/2004	16:25

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225089 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215020
Date Sampled.....: 06/03/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 225089-1
Date Received.....: 06/03/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	06/04/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/04/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225089 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215095
Date Sampled.....: 06/03/2004
Time Sampled.....: 15:55
Sample Matrix.....: Water

Laboratory Sample ID: 225089-2
Date Received.....: 06/03/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	06/04/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/04/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 225089 Date: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FILTER 215155
Date Sampled.....: 06/03/2004
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 225089-3
Date Received.....: 06/03/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	06/04/04	jem
SW-846 6010B	Lead (Pb), Total	0.01	0.01	mg/L	06/04/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			06/04/04	hmz

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225089 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94528 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00998058		2.00		100.5	%	90-110	06/04/2004	1530
ICV		M0368	0.98624829		1.00		98.6	%	90-110	06/04/2004	1539
ICV		M0380	1.03824906		1.00		103.8	%	90-110	06/04/2004	1548
ICB			-0.0000632							06/04/2004	1602
ICV		M0392	0.51163062		0.500		102.3	%	90-110	06/04/2004	1619
CCV		M0388	1.06483552		1.00		106.5	%	90-110	06/04/2004	1622
CCB			0.00011692							06/04/2004	1634
MB		3010	-0.0000513							06/04/2004	1724
LCS		M351	0.49591330		0.500		99.2	%	80-120	06/04/2004	1731
MS	225056-1	M351	0.50037274		0.500	-0.0003702	100.1	%	75-125	06/04/2004	1746
MSD	225056-1	M351	0.50012871	0.50037274	0.500	-0.0003702	100.1	%	75-125	06/04/2004	1751
							0.0	R	20		
CCV		M0388	1.02943761		1.00		102.9	%	90-110	06/04/2004	1804
CCB			0.00001309							06/04/2004	1809
CCV		M0388	1.02108461		1.00		102.1	%	90-110	06/04/2004	1844
CCB			-0.0000745							06/04/2004	1853
		3050	-0.0000728							06/04/2004	1913
LCS		M351	0.51290142		0.500		102.6	%	73-127	06/04/2004	1920
SB		M383D	1.22252723		1.27		96.3	%	73-127	06/04/2004	1925
CCV		M0388	1.02080720		1.00		102.1	%	90-110	06/04/2004	1941
CCB			0.00005414							06/04/2004	1949
MS	225057-2	M351	0.51985221		0.500	0.05468632	93.0	%	75-125	06/04/2004	1955
MSD	225057-2	M351	0.53468204	0.51985221	0.500	0.05468632	96.0	%	75-125	06/04/2004	1958
							2.8	R	20		
CCV		M0388	1.00831725		1.00		100.8	%	90-110	06/04/2004	2037
CCB			-0.0000868							06/04/2004	2046

Test Method.....: SW-846 6010B Batch.....: 94528 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01836478		2.00		100.9	%	90-110	06/04/2004	1530
ICV		M0368	1.00971447		1.00		101.0	%	90-110	06/04/2004	1539
ICV		M0380	1.06442924		1.00		106.4	%	90-110	06/04/2004	1548
ICB			-0.0009477							06/04/2004	1602
ICV		M0392	0.51306013		0.500		102.6	%	90-110	06/04/2004	1619
CCV		M0388	1.06296792		1.00		106.3	%	90-110	06/04/2004	1622
CCB			-0.0000434							06/04/2004	1634
MB		3010	-0.0014809							06/04/2004	1724
LCS		M351	0.49778553		0.500		99.6	%	80-120	06/04/2004	1731
MS	225056-1	M351	0.49665777		0.500	0.00323332	98.7	%	75-125	06/04/2004	1746
MSD	225056-1	M351	0.49486797	0.49665777	0.500	0.00323332	98.3	%	75-125	06/04/2004	1751
							0.4	R	20		
CCV		M0388	1.03479821		1.00		103.5	%	90-110	06/04/2004	1804
CCB			0.00054540							06/04/2004	1809
CCV		M0388	1.02261808		1.00		102.3	%	90-110	06/04/2004	1844
CCB			0.00064895							06/04/2004	1853
		3050	0.00019529							06/04/2004	1913
LCS		M351	0.51867392		0.500		103.7	%	71-129	06/04/2004	1920
SB		M383D	1.92747193		2.04		94.5	%	71-129	06/04/2004	1925

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 225089 Report Date.: 06/09/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 94528 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02771970		1.00		102.8	%	90-110	06/04/2004	1941
CCB			-0.0007771							06/04/2004	1949
MS	225057-2	M351	0.68502318		0.500	0.23273372	90.5	%	75-125	06/04/2004	1955
MSD	225057-2	M351	0.71388555	0.68502318	0.500	0.23273372	96.2	%	75-125	06/04/2004	1958
							4.1	R	20		
CCV		M0388	1.02102942		1.00		102.1	%	90-110	06/04/2004	2037
CCB			-0.0010517							06/04/2004	2046

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/09/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 06/09/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle RCRA Corrective Action

Project Location: Corpus Christi, TX

Laboratory: Analysys

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner / ARCADIS

15.0°C
metals only
just sampled
225089

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: Total Lead (1 pt. poly w/HNO3)	Total lead & cadmium (1 pt. poly w/HNO3)					Remarks	Total
Filter 215020	L	6/3/04 3:45		1							1
Filter 215095	L	3:55		1							1
Filter 215155	L	4:10			1						1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 3

Relinquished by: Kenneth Brandner	Organization: ARCADIS	Date 6/3/04	Time 4:25	Seal Intact?		
Received by: Olga Ventura / Rich Marcus	Organization: SH	Date 6/3/04	Time 4:25p	Yes	No	N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?		
Received by:	Organization:	Date / /	Time	Yes	No	N/A

Special Instructions/Remarks: Results to Ken Brandner and Rich Marcus.
Invoice to Rich Marcus of Encycle for RCRA Corrective Action.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

SEVERN TRENT STL

RECEIVED
SEP 15 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226419

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/13/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/13/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 14

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/13/2004

Job Number.: 226419
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226419-1	NW SUMP	Water	08/25/2004	14:00	08/25/2004	16:25
226419-2	NE SUMP	Water	08/25/2004	14:20	08/25/2004	16:25
226419-3	TANK 705210 FLOOR	Water	08/25/2004	14:40	08/25/2004	16:25

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226419 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: NW SUMP
Date Sampled.....: 08/25/2004
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 226419-1
Date Received.....: 08/25/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/27/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	08/26/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Lead (Pb), Total	0.04	0.01	mg/L	08/26/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/26/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/26/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226419 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: NE SUMP
Date Sampled.....: 08/25/2004
Time Sampled.....: 14:20
Sample Matrix.....: Water

Laboratory Sample ID: 226419-2
Date Received.....: 08/25/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/27/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/26/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Chromium (Cr), Total	0.02	0.01	mg/L	08/26/04	jem
SW-846 6010B	Lead (Pb), Total	0.20	0.01	mg/L	08/26/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	08/26/04	jem
W-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/26/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/26/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226419 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK 705210 FLOOR
Date Sampled.....: 08/25/2004
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 226419-3
Date Received.....: 08/25/2004
Time Received.....: 16:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/27/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Barium (Ba), Total	0.12	0.01	mg/L	08/26/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	08/26/04	jem
SW-846 6010B	Selenium (Se), Total	0.02	0.01	mg/L	08/26/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/26/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/26/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226419 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 97568 Analyst...: ac
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M082704HG	0.0051		0.00500		102.6	%	90-110	08/27/2004	1200
ICB			0.000638							08/27/2004	1214
LCS		M082704LG	0.00458		0.0050		91.6	%	85-115	08/27/2004	1227
MB			-0.000748							08/27/2004	1234
MS	226440-1	M082704LG	0.00474		0.0050	0.000221	90.4	%	70-130	08/27/2004	1248
CCV		M082704HG	0.0058		0.00500		116.0	%	90-110	08/27/2004	1403
CCB			-0.000016							08/27/2004	1417
MS	226421-2	M082704LG	0.00484		0.0050	0.000568	85.4	%	70-130	08/27/2004	1451
MSD	226421-2	M082704LG	0.00486	0.00484	0.0050	0.000568	85.8	%	70-130	08/27/2004	1458
							0.4	R	20		
CCV		M082704HG	0.00529		0.00500		105.8	%	90-110	08/27/2004	1512
CCB			-0.000182							08/27/2004	1519

Test Method.....: SW-846 7470A Batch.....: 97568 Analyst...: ac
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HGL
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M082704HG	0.00513		0.00500		102.6	%	90-110	08/27/2004	1200
ICB			-0.000215							08/27/2004	1207
LCS		M082704LG	0.00458		0.0050		91.6	%	85-115	08/27/2004	1227
MB			0.000748							08/27/2004	1234
MS	226440-1	M082704LG	0.00474		0.0050	0.000221	90.4	%	70-130	08/27/2004	1248
CCV		M082704HG	0.0058		0.00500		116.0	%	90-110	08/27/2004	1403
CCB			0.000016							08/27/2004	1417
MS	226421-2	M082704LG	0.00484		0.0050	0.000568	85.4	%	70-130	08/27/2004	1451
MSD	226421-2	M082704LG	0.00486	0.00484	0.0050	0.000568	85.8	%	70-130	08/27/2004	1458
							0.4	R	20		
CCV		M082704HG	0.00529		0.00500		105.8	%	90-110	08/27/2004	1512
CCB			0.000182							08/27/2004	1519

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95492426		2.00		97.7	%	90-110	08/26/2004	1635
ICV		M0368	0.98913562		1.00		98.9	%	90-110	08/26/2004	1644
ICV		M0380	0.98511331		1.00		98.5	%	90-110	08/26/2004	1653
ICB			-0.0006443							08/26/2004	1719
ICV		M0393	0.47868237		0.500		95.7	%	90-110	08/26/2004	1722
CCV		M0388	0.98362289		1.00		98.4	%	90-110	08/26/2004	1728
CCB			-0.0053543							08/26/2004	1742
CCV		M0388	0.98920593		1.00		98.9	%	90-110	08/26/2004	1822
CCB			-0.0042229							08/26/2004	1831
[illegible]		3010.	-0.0032342							08/26/2004	1911
[illegible]		M351	0.48617946		0.500		97.2	%	80-120	08/26/2004	1915
CCV		M0388	0.98529706		1.00		98.5	%	90-110	08/26/2004	1920
CCB			-0.0054449							08/26/2004	1929

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226419 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	226375-1	M351	0.51483376		0.500	-0.0134708	105.7	%	75-125	08/26/2004	1951
MSD	226375-1	M351	0.52597604	0.51483376	0.500	-0.0134708	107.9	%	75-125	08/26/2004	1957
							2.1	R	20		
CCV		M0388	0.99852479		1.00		99.9	%	90-110	08/26/2004	2018
CCB			0.00306412							08/26/2004	2030
CCV		M0388	0.97551074		1.00		97.6	%	90-110	08/26/2004	2108
CCB			-0.0012301							08/26/2004	2117
MS	226419-3	M351	0.51276969		0.500	0.00824694	100.9	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.52312204	0.51276969	0.500	0.00824694	103.0	%	75-125	08/26/2004	2133
							2.0	R	20		
CCV		M0388	0.97771893		1.00		97.8	%	90-110	08/26/2004	2145
CCB			0.00047545							08/26/2004	2157

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95205603		2.00		97.6	%	90-110	08/26/2004	1635
ICV		M0369	0.96791274		1.00		96.8	%	90-110	08/26/2004	1649
ICB			-0.0000618							08/26/2004	1719
ICV		M0393	0.50079885		0.500		100.2	%	90-110	08/26/2004	1722
CCV		M0388	1.01516687		1.00		101.5	%	90-110	08/26/2004	1728
CCB			-0.0006491							08/26/2004	1742
CCV		M0388	0.99988209		1.00		100.0	%	90-110	08/26/2004	1822
CCB			0.00002859							08/26/2004	1831
MB		3010.	0.00045474							08/26/2004	1911
LCS		M351	0.49900146		0.500		99.8	%	80-120	08/26/2004	1915
CCV		M0388	0.99702966		1.00		99.7	%	90-110	08/26/2004	1920
CCB			-0.0001979							08/26/2004	1929
MS	226375-1	M351	2.40323894		0.500	1.93832501	93.0	%	75-125	08/26/2004	1951
MSD	226375-1	M351	2.36622601	2.40323894	0.500	1.93832501	85.6	%	75-125	08/26/2004	1957
							1.6	R	20		
CCV		M0388	0.99763088		1.00		99.8	%	90-110	08/26/2004	2018
CCB			0.00032183							08/26/2004	2030
CCV		M0388	1.00069119		1.00		100.1	%	90-110	08/26/2004	2108
CCB			0.00001726							08/26/2004	2117
MS	226419-3	M351	0.61634694		0.500	0.11928929	99.4	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.61675794	0.61634694	0.500	0.11928929	99.5	%	75-125	08/26/2004	2133
							0.1	R	20		
CCV		M0388	0.98876688		1.00		98.9	%	90-110	08/26/2004	2145
CCB			0.00026148							08/26/2004	2157

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226419 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95663448		2.00		97.8	%	90-110	08/26/2004	1635
ICV		M0368	1.00293496		1.00		100.3	%	90-110	08/26/2004	1644
ICV		M0380	0.99101405		1.00		99.1	%	90-110	08/26/2004	1653
ICB			-0.0002686							08/26/2004	1719
ICV		M0393	0.49729897		0.500		99.5	%	90-110	08/26/2004	1722
CCV		M0388	1.00905730		1.00		100.9	%	90-110	08/26/2004	1728
CCB			-0.0003441							08/26/2004	1742
CCV		M0388	0.99324849		1.00		99.3	%	90-110	08/26/2004	1822
CCB			-0.0001494							08/26/2004	1831
MB		3010.	-0.0002888							08/26/2004	1911
LCS		M351	0.49346053		0.500		98.7	%	80-120	08/26/2004	1915
CCV		M0388	0.99148773		1.00		99.1	%	90-110	08/26/2004	1920
CCB			-0.0002680							08/26/2004	1929
MS	226375-1	M351	0.49491026		0.500	-0.0005679	99.1	%	75-125	08/26/2004	1951
MSD	226375-1	M351	0.49016297	0.49491026	0.500	-0.0005679	98.1	%	75-125	08/26/2004	1957
							1.0	R	20		
V		M0388	0.98456320		1.00		98.5	%	90-110	08/26/2004	2018
CCB			-0.0001292							08/26/2004	2030
CCV		M0388	0.97742949		1.00		97.7	%	90-110	08/26/2004	2108
CCB			0.00013914							08/26/2004	2117
MS	226419-3	M351	0.49616168		0.500	0.00078731	99.1	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.49789882	0.49616168	0.500	0.00078731	99.4	%	75-125	08/26/2004	2133
							0.3	R	20		
CCV		M0388	0.97410302		1.00		97.4	%	90-110	08/26/2004	2145
CCB			0.00011845							08/26/2004	2157

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95475038		2.00		97.7	%	90-110	08/26/2004	1635
ICV		M0368	0.99396039		1.00		99.4	%	90-110	08/26/2004	1644
ICV		M0380	0.99046037		1.00		99.0	%	90-110	08/26/2004	1653
ICB			-0.0005920							08/26/2004	1719
ICV		M0393	0.48832916		0.500		97.7	%	90-110	08/26/2004	1722
CCV		M0388	1.01188820		1.00		101.2	%	90-110	08/26/2004	1728
CCB			-0.0021990							08/26/2004	1742
CCV		M0388	0.99356755		1.00		99.4	%	90-110	08/26/2004	1822
CCB			-0.0005421							08/26/2004	1831
MB		3010.	-0.0004406							08/26/2004	1911
LCS		M351	0.49494788		0.500		99.0	%	80-120	08/26/2004	1915
CCV		M0388	0.99267608		1.00		99.3	%	90-110	08/26/2004	1920
CCB			-0.0002455							08/26/2004	1929
MS	226375-1	M351	0.50292553		0.500	0.00679198	99.2	%	75-125	08/26/2004	1951
MSD	226375-1	M351	0.49839480	0.50292553	0.500	0.00679198	98.3	%	75-125	08/26/2004	1957
							0.9	R	20		
CV		M0388	0.99195197		1.00		99.2	%	90-110	08/26/2004	2018
3			-0.0006875							08/26/2004	2030
CCV		M0388	0.98532835		1.00		98.5	%	90-110	08/26/2004	2108
CCB			0.00116230							08/26/2004	2117

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226419 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	226419-3	M351	0.49947943		0.500	0.00007993	99.9	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.50066790	0.49947943	0.500	0.00007993	100.1	%	75-125	08/26/2004	2133
							0.2	R	20		
CCV		M0388	0.98237999		1.00		98.2	%	90-110	08/26/2004	2145
CCB			-0.0002329							08/26/2004	2157

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.95581608		2.00		97.8	%	90-110	08/26/2004	1635
ICV		M0368	1.02195332		1.00		102.2	%	90-110	08/26/2004	1644
ICV		M0380	1.01315825		1.00		101.3	%	90-110	08/26/2004	1653
ICB			-0.0030982							08/26/2004	1719
CCV		M0393	0.50625561		0.500		101.3	%	90-110	08/26/2004	1722
CCV		M0388	0.99883752		1.00		99.9	%	90-110	08/26/2004	1728
CCB			-0.0017025							08/26/2004	1742
CCV		M0388	0.99762087		1.00		99.8	%	90-110	08/26/2004	1822
CCB			0.00044105							08/26/2004	1831
MB		3010.	-0.0036080							08/26/2004	1911
LCS		M351	0.49982873		0.500		100.0	%	80-120	08/26/2004	1915
CCV		M0388	0.99422325		1.00		99.4	%	90-110	08/26/2004	1920
CCB			-0.0011606							08/26/2004	1929
MS	226375-1	M351	0.44805168		0.500	-0.0226462	94.1	%	75-125	08/26/2004	1951
MSD	226375-1	M351	0.45022958	0.44805168	0.500	-0.0226462	94.6	%	75-125	08/26/2004	1957
							0.5	R	20		
CCV		M0388	0.98920110		1.00		98.9	%	90-110	08/26/2004	2018
CCB			-0.0039879							08/26/2004	2030
CCV		M0388	0.97202525		1.00		97.2	%	90-110	08/26/2004	2108
CCB			-0.0030715							08/26/2004	2117
MS	226419-3	M351	0.48771271		0.500	0.00159829	97.2	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.49912462	0.48771271	0.500	0.00159829	99.5	%	75-125	08/26/2004	2133
							2.3	R	20		
CCV		M0388	0.97396087		1.00		97.4	%	90-110	08/26/2004	2145
CCB			-0.0024608							08/26/2004	2157

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98266325		2.00		99.1	%	90-110	08/26/2004	1635
ICV		M0368	1.03718092		1.00		103.7	%	90-110	08/26/2004	1644
ICV		M0380	1.00546400		1.00		100.5	%	90-110	08/26/2004	1653
ICB			0.00566460							08/26/2004	1719
CCV		M0393	0.48843225		0.500		97.7	%	90-110	08/26/2004	1722
CCV		M0388	0.96882076		1.00		96.9	%	90-110	08/26/2004	1728
CCB			0.00859841							08/26/2004	1742

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226419 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.97642749		1.00		97.6	%	90-110	08/26/2004	1822
CCB			0.00137840							08/26/2004	1831
MB		3010.	-0.0049149							08/26/2004	1911
LCS		M351	0.50980888		0.500		102.0	%	80-120	08/26/2004	1915
CCV		M0388	0.99062289		1.00		99.1	%	90-110	08/26/2004	1920
CCB			-0.0040958							08/26/2004	1929
MS	226375-1	M351	1.03969521		0.500	0.20501071	166.9	%	75-125	08/26/2004	1951
MSD	226375-1	M351	1.02815930	1.03969521	0.500	0.20501071	164.6	%	75-125	08/26/2004	1957
							1.1	R	20		
CCV		M0388	0.99244840		1.00		99.2	%	90-110	08/26/2004	2018
CCB			-0.0024148							08/26/2004	2030
CCV		M0388	0.96670906		1.00		96.7	%	90-110	08/26/2004	2108
CCB			-0.0056700							08/26/2004	2117
MS	226419-3	M351	0.48537699		0.500	0.01638960	93.8	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.53247750	0.48537699	0.500	0.01638960	103.2	%	75-125	08/26/2004	2133
							9.3	R	20		
CV		M0388	0.95020552		1.00		95.0	%	90-110	08/26/2004	2145
CB			0.00436510							08/26/2004	2157

Test Method.....: SW-846 6010B Batch.....: 97519 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.97836629		1.0		97.8	%	90-110	08/26/2004	1635
ICV		M0369	0.98866194		1.00		98.9	%	90-110	08/26/2004	1649
ICB			-0.0014659							08/26/2004	1719
ICV		M0393	0.50298483		0.500		100.6	%	90-110	08/26/2004	1722
CCV		M0388	0.50617874		0.50		101.2	%	90-110	08/26/2004	1728
CCB			-0.0038304							08/26/2004	1742
CCV		M0388	0.50079208		0.50		100.2	%	90-110	08/26/2004	1822
CCB			-0.0012427							08/26/2004	1831
MB		3010.	-0.0011895							08/26/2004	1911
LCS		M351	0.24404170		0.25		97.6	%	80-120	08/26/2004	1915
CCV		M0388	0.49848406		0.50		99.7	%	90-110	08/26/2004	1920
CCB			-0.0034724							08/26/2004	1929
MS	226375-1	M351	0.25505160		0.25	-0.0000701	102.0	%	75-125	08/26/2004	1951
MSD	226375-1	M351	0.25314502	0.25505160	0.25	-0.0000701	101.3	%	75-125	08/26/2004	1957
							0.8	R	20		
CCV		M0388	0.50133583		0.50		100.3	%	90-110	08/26/2004	2018
CCB			-0.0013516							08/26/2004	2030
CCV		M0388	0.50040198		0.50		100.1	%	90-110	08/26/2004	2108
CCB			-0.0042075							08/26/2004	2117
MS	226419-3	M351	0.25089377		0.25	-0.0008753	100.7	%	75-125	08/26/2004	2127
MSD	226419-3	M351	0.25179964	0.25089377	0.25	-0.0008753	101.1	%	75-125	08/26/2004	2133
							0.4	R	20		
CCV		M0388	0.49530054		0.50		99.1	%	90-110	08/26/2004	2145
CB			-0.0021186							08/26/2004	2157

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL** 20 on ice

No. 24108

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ARCADIS / ENCYCLE	PROJECT NAME/NUMBER: ENCYCLE RCRA CLOSURE
SEND REPORT TO: KEN BRADNER (ARCADIS) RICH MARCUS (ENCYCLE)	**BILLING INFORMATION**
ADDRESS: 711 N. CARANCAHUA C.C. TX 78475	BILL TO: RICH MARCUS ADDRESS: ENCYCLE
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

LAB JOB NO. 826419

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: TOTAL As, Ba, Cd, Pb, Cr, Hg, Se, Ag	REMARKS/PRECAUTIONS
	NW Sump	8/25/04	2:00	↓	1PT POLY	HNO_3	1	X	RESULTS TO KEN BRADNER (ARCADIS) RICH MARCUS (ENCYCLE)
	NE Sump	↓	2:20	↓	↓	↓	1	X	
	Tank 705 10 Floor	↓	2:40	↓	↓	↓	1	X	

SAMPLER: Jacob Clements SHIPMENT METHOD: In Person AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	8-25-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: ARCADIS	TIME 1625	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	08-25-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Vivian McDermott/SRL	TIME 1625	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
SEP 15 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226401

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/13/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/13/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 13

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/13/2004

Job Number.: 226401
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226401-1	DEMIN TANKS CONCRETE FLOOR	Water	08/24/2004	16:00	08/24/2004	16:12

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226401 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: DEMIN TANKS CONCRETE FLOOR
Date Sampled.....: 08/24/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 226401-1
Date Received.....: 08/24/2004
Time Received.....: 16:12

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/25/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	08/25/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/25/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/25/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	08/25/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/25/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/25/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/25/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 97522 Analyst...: ac
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M082604HG	0.00484		0.00500		96.8	%	90-110	08/26/2004	1200
ICB			-0.000339							08/26/2004	1208
ICB			-0.000267							08/26/2004	1216
LCS		M082604LG	0.00470		0.0050		94.0	%	85-115	08/26/2004	1233
MB			-0.000513							08/26/2004	1241
CCV		M082604HG	0.00497		0.00500		99.4	%	90-110	08/26/2004	1420
CCB			-0.000241							08/26/2004	1428
MS	226375-2	M082604LG	0.00581		0.0050	0.00035	109.2	%	70-130	08/26/2004	1624
MSD	226375-2	M082604LG	0.00526	0.00581	0.0050	0.00035	98.2	%	70-130	08/26/2004	1632
							9.9	R	20		
CCV		M082604HG	0.00503		0.00500		100.6	%	90-110	08/26/2004	1705
CCB			0.000211							08/26/2004	1713

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.03250564		2.00		101.6	%	90-110	08/25/2004	1440
ICV		M0368	0.99188765		1.00		99.2	%	90-110	08/25/2004	1448
ICV		M0380	1.00879941		1.00		100.9	%	90-110	08/25/2004	1457
ICB			-0.0095116							08/25/2004	1511
ICB			-0.0075489							08/25/2004	1523
ICV		M0393	0.49531119		0.500		99.1	%	90-110	08/25/2004	1527
CCV		M0388	1.00024795		1.00		100.0	%	90-110	08/25/2004	1532
CCB			-0.0045121							08/25/2004	1541
CCV		M0388	1.00386226		1.00		100.4	%	90-110	08/25/2004	1635
CCB			-0.0073808							08/25/2004	1644
CCV		M0388	1.01200846		1.00		101.2	%	90-110	08/25/2004	1801
CCB			-0.0080772							08/25/2004	1813
MB		3010.	0.00117895							08/25/2004	1820
LCS		M351	0.48598108		0.500		97.2	%	80-120	08/25/2004	1823
CCV		M0388	1.01053126		1.00		101.1	%	90-110	08/25/2004	1853
CCB			0.00744774							08/25/2004	1902
MS	226401-1	M351	0.52159758		0.500	-0.0029311	104.9	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.50067560	0.52159758	0.500	-0.0029311	100.7	%	75-125	08/25/2004	1917
							4.1	R	20		
B			-0.0030768							08/25/2004	1923
MB		3050.	-0.0050100							08/25/2004	1929
LCS		M383D	2.34131690		2.31		101.4	%	66-134	08/25/2004	1933
LCS		M351	0.47086790		0.500		94.2	%	66-134	08/25/2004	1938
B			0.00257119							08/25/2004	1943
CCV		M0388	1.01655862		1.00		101.7	%	90-110	08/25/2004	1959
CCB			-0.0081614							08/25/2004	2010
MS	226367-10	M351	0.53059976		0.500	0.03425761	99.3	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.52839724	0.53059976	0.500	0.03425761	98.8	%	75-125	08/25/2004	2023
							0.4	R	20		
[illegible]		3051	-0.0022403							08/25/2004	2029
		M351	0.47507338		0.500		95.0	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.43828318		0.500	-0.0532559	98.3	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.47539647	0.43828318	0.500	-0.0532559	105.7	%	75-125	08/25/2004	2052
							8.1	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.00710142		1.00		100.7	%	90-110	08/25/2004	2101
CCB			0.00364438							08/25/2004	2113

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02811712		2.00		101.4	%	90-110	08/25/2004	1440
ICV		M0369	0.96127067		1.00		96.1	%	90-110	08/25/2004	1454
ICB			0.00025653							08/25/2004	1511
ICB			0.00035304							08/25/2004	1523
ICV		M0393	0.50320400		0.500		100.6	%	90-110	08/25/2004	1527
CCV		M0388	1.00423399		1.00		100.4	%	90-110	08/25/2004	1532
B			0.00019413							08/25/2004	1541
CCV		M0388	1.00114826		1.00		100.1	%	90-110	08/25/2004	1635
CCB			0.00029241							08/25/2004	1644
CCV		M0388	0.99675715		1.00		99.7	%	90-110	08/25/2004	1801
CCB			0.00006701							08/25/2004	1813
MB		3010.	0.00015735							08/25/2004	1820
LCS		M351	0.48935313		0.500		97.9	%	80-120	08/25/2004	1823
CCV		M0388	0.99555832		1.00		99.6	%	90-110	08/25/2004	1853
CCB			0.00028135							08/25/2004	1902
MS	226401-1	M351	0.58196697		0.500	0.10328507	95.7	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.57104317	0.58196697	0.500	0.10328507	93.6	%	75-125	08/25/2004	1917
							1.9	R	20		
B			-0.0003112							08/25/2004	1923
MB		3050.	0.00157913							08/25/2004	1929
LCS		M351	0.48091740		0.500		96.2	%	58-142	08/25/2004	1938
B			0.00012964							08/25/2004	1943
CCV		M0388	0.99992367		1.00		100.0	%	90-110	08/25/2004	1959
CCB			0.00027779							08/25/2004	2010
MS	226367-10	M351	1.36725780		0.500	0.92670738	88.1	%	75-125	08/25/2004	2018
MSD	226367-10	M351	2.11998686	1.36725780	0.500	0.92670738	238.7	%	75-125	08/25/2004	2023
							43.2	R	20		
MB		3051	0.00038202							08/25/2004	2029
LCS		M351	0.46570732		0.500		93.1	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.49500067		0.500	0.00695191	97.6	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.52770380	0.49500067	0.500	0.00695191	104.2	%	75-125	08/25/2004	2052
							6.4	R	20		
CCV		M0388	0.98475981		1.00		98.5	%	90-110	08/25/2004	2101
CCB			0.00038864							08/25/2004	2113

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.04380252		2.00		102.2	%	90-110	08/25/2004	1440
ICV		M0368	1.00279876		1.00		100.3	%	90-110	08/25/2004	1448
ICV		M0380	1.00542818		1.00		100.5	%	90-110	08/25/2004	1457
ICB			0.00006818							08/25/2004	1511
ICB			-0.0000653							08/25/2004	1523
ICV		M0393	0.49958021		0.500		99.9	%	90-110	08/25/2004	1527
CCV		M0388	1.00073229		1.00		100.1	%	90-110	08/25/2004	1532
CCB			0.00029562							08/25/2004	1541
CCV		M0388	0.99437196		1.00		99.4	%	90-110	08/25/2004	1635
CCB			0.00005122							08/25/2004	1644
CCV		M0388	0.99133950		1.00		99.1	%	90-110	08/25/2004	1801
CCB			-0.0000201							08/25/2004	1813
MB		3010.	-0.0000899							08/25/2004	1820
LCS		M351	0.47997110		0.500		96.0	%	80-120	08/25/2004	1823
CCV		M0388	0.98825417		1.00		98.8	%	90-110	08/25/2004	1853
CCB			0.00018016							08/25/2004	1902
	226401-1	M351	0.48520645		0.500	0.00230349	96.6	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.47263563	0.48520645	0.500	0.00230349	94.1	%	75-125	08/25/2004	1917
							2.6	R	20		
B			0.00003032							08/25/2004	1923
MB		3050.	0.00031420							08/25/2004	1929
LCS		M383D	1.19351917		1.27		94.0	%	73-127	08/25/2004	1933
LCS		M351	0.47341632		0.500		94.7	%	73-127	08/25/2004	1938
B			-0.0001449							08/25/2004	1943
CCV		M0388	0.99392965		1.00		99.4	%	90-110	08/25/2004	1959
CCB			0.00023523							08/25/2004	2010
MS	226367-10	M351	0.46402397		0.500	0.00535742	91.7	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.44814632	0.46402397	0.500	0.00535742	88.6	%	75-125	08/25/2004	2023
							3.5	R	20		
MB		3051	0.00014251							08/25/2004	2029
LCS		M351	0.45566074		0.500		91.1	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.49379479		0.500	0.00013207	98.7	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.53087374	0.49379479	0.500	0.00013207	106.1	%	75-125	08/25/2004	2052
							7.2	R	20		
CCV		M0388	0.99193623		1.00		99.2	%	90-110	08/25/2004	2101
CCB			0.00029198							08/25/2004	2113

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02801435		2.00		101.4	%	90-110	08/25/2004	1440
ICV		M0368	0.98910051		1.00		98.9	%	90-110	08/25/2004	1448
ICV		M0380	0.99616369		1.00		99.6	%	90-110	08/25/2004	1457
ICB			0.00006819							08/25/2004	1511
ICB			0.00018575							08/25/2004	1523
ICV		M0393	0.49224558		0.500		98.4	%	90-110	08/25/2004	1527
CCV		M0388	1.00341372		1.00		100.3	%	90-110	08/25/2004	1532
CCB			0.00024714							08/25/2004	1541
CCV		M0388	0.99619384		1.00		99.6	%	90-110	08/25/2004	1635

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00091060							08/25/2004	1644
CCV		M0388	0.99428218		1.00		99.4	%	90-110	08/25/2004	1801
CCB			0.00016485							08/25/2004	1813
MB		3010.	0.00012148							08/25/2004	1820
LCS		M351	0.48513838		0.500		97.0	%	80-120	08/25/2004	1823
CCV		M0388	0.98736874		1.00		98.7	%	90-110	08/25/2004	1853
CCB			0.00008380							08/25/2004	1902
MS	226401-1	M351	0.48602920		0.500	0.00059215	97.1	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.47575833	0.48602920	0.500	0.00059215	95.0	%	75-125	08/25/2004	1917
							2.1	R	20		
B			-0.0006228							08/25/2004	1923
MB		3050.	0.00100518							08/25/2004	1929
LCS		M383D	1.93917729		2.07		93.7	%	72-127	08/25/2004	1933
LCS		M351	0.48210891		0.500		96.4	%	72-127	08/25/2004	1938
B			-0.0003867							08/25/2004	1943
CCV		M0388	0.99941386		1.00		99.9	%	90-110	08/25/2004	1959
CB			0.00034601							08/25/2004	2010
S	226367-10	M351	0.57125377		0.500	0.12062083	90.1	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.57456027	0.57125377	0.500	0.12062083	90.8	%	75-125	08/25/2004	2023
							0.6	R	20		
MB		3051	0.00006793							08/25/2004	2029
LCS		M351	0.46923803		0.500		93.8	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.50410784		0.500	0.00329335	100.2	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.54302361	0.50410784	0.500	0.00329335	107.9	%	75-125	08/25/2004	2052
							7.4	R	20		
CCV		M0388	0.98996018		1.00		99.0	%	90-110	08/25/2004	2101
CCB			0.00001562							08/25/2004	2113

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.06173662		2.00		103.1	%	90-110	08/25/2004	1440
ICV		M0368	1.02595174		1.00		102.6	%	90-110	08/25/2004	1448
ICV		M0380	1.03855941		1.00		103.9	%	90-110	08/25/2004	1457
ICB			-0.0006580							08/25/2004	1511
ICB			-0.0001508							08/25/2004	1523
ICV		M0393	0.51490644		0.500		103.0	%	90-110	08/25/2004	1527
CCV		M0388	1.00892951		1.00		100.9	%	90-110	08/25/2004	1532
CCB			-0.0004759							08/25/2004	1541
CCV		M0388	1.00027409		1.00		100.0	%	90-110	08/25/2004	1635
CCB			0.00073292							08/25/2004	1644
CCV		M0388	1.01575650		1.00		101.6	%	90-110	08/25/2004	1801
CCB			0.00137099							08/25/2004	1813
MB		3010.	0.00144145							08/25/2004	1820
LCS		M351	0.48362993		0.500		96.7	%	80-120	08/25/2004	1823
CCV		M0388	1.00694054		1.00		100.7	%	90-110	08/25/2004	1853
B			0.00139302							08/25/2004	1902
MS	226401-1	M351	0.48556854		0.500	0.00571431	96.0	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.48053290	0.48556854	0.500	0.00571431	95.0	%	75-125	08/25/2004	1917
							1.0	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
B			0.00328013							08/25/2004	1923
MB		3050.	0.00094922							08/25/2004	1929
LCS		M383D	1.90101299		2.04		93.2	%	71-129	08/25/2004	1933
LCS		M351	0.47779254		0.500		95.6	%	71-129	08/25/2004	1938
B			-0.0016963							08/25/2004	1943
CCV		M0388	1.00969545		1.00		101.0	%	90-110	08/25/2004	1959
CCB			-0.0003886							08/25/2004	2010
MS	226367-10	M351	0.55562518		0.500	0.09371005	92.4	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.55084813	0.55562518	0.500	0.09371005	91.4	%	75-125	08/25/2004	2023
							0.9	R	20		
MB		3051	-0.0023314							08/25/2004	2029
LCS		M351	0.48374872		0.500		96.7	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.51208839		0.500	0.00167998	102.1	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.54231060	0.51208839	0.500	0.00167998	108.1	%	75-125	08/25/2004	2052
							5.7	R	20		
CCV		M0388	1.00776226		1.00		100.8	%	90-110	08/25/2004	2101
CB			-0.0005487							08/25/2004	2113

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.07055222		2.00		103.5	%	90-110	08/25/2004	1440
ICV		M0368	1.02504360		1.00		102.5	%	90-110	08/25/2004	1448
ICV		M0380	1.04938836		1.00		104.9	%	90-110	08/25/2004	1457
ICB			0.01664485							08/25/2004	1511
ICB			-0.0004391							08/25/2004	1523
ICV		M0393	0.50309917		0.500		100.6	%	90-110	08/25/2004	1527
CCV		M0388	0.99811027		1.00		99.8	%	90-110	08/25/2004	1532
CCB			-0.0107341							08/25/2004	1541
CCV		M0388	1.01993952		1.00		102.0	%	90-110	08/25/2004	1635
CCB			0.00408408							08/25/2004	1644
CCV		M0388	0.99250683		1.00		99.3	%	90-110	08/25/2004	1801
CCB			0.00000790							08/25/2004	1813
MB		3010.	0.00802246							08/25/2004	1820
LCS		M351	0.46157058		0.500		92.3	%	80-120	08/25/2004	1823
CCV		M0388	1.02834423		1.00		102.8	%	90-110	08/25/2004	1853
CCB			0.01173148							08/25/2004	1902
MS	226401-1	M351	0.49999034		0.500	0.00884078	98.2	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.51992497	0.49999034	0.500	0.00884078	102.2	%	75-125	08/25/2004	1917
							3.9	R	20		
B			0.00416197							08/25/2004	1923
MB		3050.	-0.0023091							08/25/2004	1929
LCS		M383D	0.97312434		0.996		97.7	%	59-141	08/25/2004	1933
LCS		M351	0.47239157		0.500		94.5	%	59-141	08/25/2004	1938
B			-0.0042827							08/25/2004	1943
CCV		M0388	1.01953123		1.00		102.0	%	90-110	08/25/2004	1959
B			0.00061622							08/25/2004	2004
MS	226367-10	M351	0.48063435		0.500	-0.0135134	98.8	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.44828571	0.48063435	0.500	-0.0135134	92.4	%	75-125	08/25/2004	2023
							7.0	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226401 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MB		3051	-0.0066832							08/25/2004	2029
LCS		M351	0.45998066		0.500		92.0	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.49988175		0.500	0.00291034	99.4	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.52580845	0.49988175	0.500	0.00291034	104.6	%	75-125	08/25/2004	2052
							5.1	R	20		
CCV		M0388	1.01181581		1.00		101.2	%	90-110	08/25/2004	2101
CCB			-0.0026386							08/25/2004	2113

Test Method.....: SW-846 6010B Batch.....: 97479 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.02466763		1.0		102.5	%	90-110	08/25/2004	1440
V		M0369	0.98482429		1.00		98.5	%	90-110	08/25/2004	1454
LB			0.00138024							08/25/2004	1511
ICB			-0.0002639							08/25/2004	1523
ICV		M0393	0.51360904		0.500		102.7	%	90-110	08/25/2004	1527
CCV		M0388	0.50454602		0.50		100.9	%	90-110	08/25/2004	1532
CCB			0.00405134							08/25/2004	1541
CCV		M0388	0.49656760		0.50		99.3	%	90-110	08/25/2004	1635
CCB			0.00435877							08/25/2004	1644
CCV		M0388	0.50078160		0.50		100.2	%	90-110	08/25/2004	1801
CCB			-0.0005425							08/25/2004	1813
MB		3010.	0.00028242							08/25/2004	1820
LCS		M351	0.24298674		0.25		97.2	%	80-120	08/25/2004	1823
CCV		M0388	0.49627227		0.50		99.3	%	90-110	08/25/2004	1853
CCB			0.00075640							08/25/2004	1902
MS	226401-1	M351	0.23875508		0.25	-0.0011271	96.0	%	75-125	08/25/2004	1912
MSD	226401-1	M351	0.23681565	0.23875508	0.25	-0.0011271	95.2	%	75-125	08/25/2004	1917
							0.8	R	20		
B			0.00053830							08/25/2004	1923
MB		3050.	0.00210938							08/25/2004	1929
LCS		M383D	1.07951600		0.953		113.3	%	11-189	08/25/2004	1933
LCS		M351	0.23217526		0.25		92.9	%	11-189	08/25/2004	1938
B			0.00243950							08/25/2004	1943
CCV		M0388	0.50189319		0.50		100.4	%	90-110	08/25/2004	1959
CCB			-0.0002102							08/25/2004	2010
MS	226367-10	M351	0.23403844		0.25	-0.0008085	93.9	%	75-125	08/25/2004	2018
MSD	226367-10	M351	0.22370281	0.23403844	0.25	-0.0008085	89.8	%	75-125	08/25/2004	2023
							4.5	R	20		
MB		3051	-0.0001572							08/25/2004	2029
LCS		M351	0.22917996		0.25		91.7	%	80-120	08/25/2004	2035
MS	226325-1	M351	0.24450267		0.25	-0.0013447	98.3	%	75-125	08/25/2004	2047
MSD	226325-1	M351	0.26174345	0.24450267	0.25	-0.0013447	105.2	%	75-125	08/25/2004	2052
							6.8	R	20		
CCV		M0388	0.50466251		0.50		100.9	%	90-110	08/25/2004	2101
CCB			0.00040629							08/25/2004	2113

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 21833 V+.
JUST SAMPLE
14.0°C

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ARCADIS/ENCYCLE RURA CLOSURE	PROJECT NAME/NUMBER: ENCYCLE RURA CLOSURE
SEND REPORT TO: KEN BRADNER/RICH MARCUS	**BILLING INFORMATION**
ADDRESS: 711 N. CARANCAHUA	BILL TO: RICH MARCUS
C.C. TX, 78475	ADDRESS:
PHONE: (361) 883-1353	PHONE:
FAX: (361) 883-7565	FAX: PO NO:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS METHOD / REQUEST: TOTAL Hg, Ba, Cd, Cr, Pb, Se, Ag	REMARKS/PRECAUTIONS
	DEMIN TANKS CONCRETE FLOOR	8-24-04	1600	L	1 PT PLAS	HNO_3	1	X	

LAB JOB NO. 226401

SAMPLER: JACOB CLEMENTS

SHIPMENT METHOD: IN PERSON

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER _____

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	8-24-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: JACOB CLEMENTS/ARCADIS	TIME 1612	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	8/24/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1612	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

ROUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
SEP 15 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226387

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/13/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/13/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 20

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/13/2004

Job Number.: 226387
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226387-1	US FILTER 1-3 FLOOR	Water	08/23/2004	14:00	08/23/2004	16:45
226387-2	US FILTER 4-6 FLOOR	Water	08/23/2004	14:15	08/23/2004	16:45
226387-3	36IN AND 48IN FILTER FLOO	Water	08/23/2004	14:30	08/23/2004	16:45
226387-4	48IN FILTER BOTTOM FLOOR	Water	08/23/2004	14:50	08/23/2004	16:45
226387-5	48IN FILTER BOTTOM FLOOR DUP	Water	08/23/2004	14:50	08/23/2004	16:45
226387-6	FIELD BLANK	Water	08/23/2004	15:00	08/23/2004	16:45
226387-7	36IN SOUTH BOTTOM FLOOR	Water	08/23/2004	15:10	08/23/2004	16:45
226387-8	36IN MIDDLE & NORTH BOTTOM FLOOR	Water	08/23/2004	15:30	08/23/2004	16:45
226387-9	BABY TANK FLOOR	Water	08/23/2004	16:00	08/23/2004	16:45

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 1-3 FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 14:00
Sample Matrix.....: Water

Laboratory Sample ID: 226387-1
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: US FILTER 4-6 FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 14:15
Sample Matrix.....: Water

Laboratory Sample ID: 226387-2
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 36IN AND 48IN FILTER FLOO
Date Sampled.....: 08/23/2004
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 226387-3
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 48IN FILTER BOTTOM FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 226387-4
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.07	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	0.07	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	1.96	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 48IN FILTER BOTTOM FLOOR DUP
Date Sampled.....: 08/23/2004
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 226387-5
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.06	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	0.07	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	1.81	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FIELD BLANK
Date Sampled.....: 08/23/2004
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 226387-6
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
W-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387

Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 36IN SOUTH BOTTOM FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 226387-7
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.30	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	0.05	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.64	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 36IN MIDDLE & NORTH BOTTOM FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 15:30
Sample Matrix.....: Water

Laboratory Sample ID: 226387-8
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.06	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	0.04	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.89	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	0.010	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226387 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: BABY TANK FLOOR
Date Sampled.....: 08/23/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 226387-9
Date Received.....: 08/23/2004
Time Received.....: 16:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	08/26/04	ac
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	08/24/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	08/24/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	08/24/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	08/24/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			08/24/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226387 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 97522 Analyst...: ac
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M082604HG	0.00484		0.00500		96.8	%	90-110	08/26/2004	1200
ICB			-0.000339							08/26/2004	1208
ICB			-0.000267							08/26/2004	1216
LCS		M082604LG	0.00470		0.0050		94.0	%	85-115	08/26/2004	1233
MB			-0.000513							08/26/2004	1241
CCV		M082604HG	0.00497		0.00500		99.4	%	90-110	08/26/2004	1420
CCB			-0.000241							08/26/2004	1428
MS	226375-2	M082604LG	0.00581		0.0050	0.00035	109.2	%	70-130	08/26/2004	1624
MSD	226375-2	M082604LG	0.00526	0.00581	0.0050	0.00035	98.2	%	70-130	08/26/2004	1632
							9.9	R	20		
CCV		M082604HG	0.00503		0.00500		100.6	%	90-110	08/26/2004	1705
CCB			0.000211							08/26/2004	1713

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99408821		2.00		99.7	%	90-110	08/24/2004	1532
ICV		M0368	0.96162301		1.00		96.2	%	90-110	08/24/2004	1540
ICV		M0380	1.00652288		1.00		100.7	%	90-110	08/24/2004	1549
ICB			-0.0010929							08/24/2004	1603
ICB			-0.0031165							08/24/2004	1615
ICV		M0393	0.48372118		0.500		96.7	%	90-110	08/24/2004	1619
CCV		M0388	1.02307742		1.00		102.3	%	90-110	08/24/2004	1624
CCB			-0.0025400							08/24/2004	1633
CCV		M0388	1.01843425		1.00		101.8	%	90-110	08/24/2004	1801
CCB			-0.0041752							08/24/2004	1813
MB		3010	-0.0036799							08/24/2004	1816
LCS		M351	0.48519465		0.500		97.0	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.52868780		0.500	-0.0267245	111.1	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.52950807	0.52868780	0.500	-0.0267245	111.2	%	75-125	08/24/2004	1848
							0.2	R	20		
CCV		M0388	0.99851383		1.00		99.9	%	90-110	08/24/2004	1857
CCB			-0.0040775							08/24/2004	1902
CCV		M0388	0.98618944		1.00		98.6	%	90-110	08/24/2004	1947
CCB			-0.0031271							08/24/2004	1955
MS	226387-9	M351	0.51346781		0.500	-0.0027329	103.2	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.50916704	0.51346781	0.500	-0.0027329	102.4	%	75-125	08/24/2004	2028
							0.8	R	20		
CCV		M0388	0.99108792		1.00		99.1	%	90-110	08/24/2004	2040
CCB			-0.0031864							08/24/2004	2052

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226387 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01095489		2.00		100.5	%	90-110	08/24/2004	1532
ICV		M0369	0.96587950		1.00		96.6	%	90-110	08/24/2004	1546
ICB			-0.0001045							08/24/2004	1603
ICB			-0.0002347							08/24/2004	1615
ICV		M0393	0.50284755		0.500		100.6	%	90-110	08/24/2004	1619
CCV		M0388	1.02473276		1.00		102.5	%	90-110	08/24/2004	1624
CCB			0.00022426							08/24/2004	1633
CCV		M0388	1.02602770		1.00		102.6	%	90-110	08/24/2004	1801
CCB			0.00015478							08/24/2004	1813
MB		3010	-0.0000134							08/24/2004	1816
LCS		M351	0.50190230		0.500		100.4	%	80-120	08/24/2004	1823
MS	226142-5	M351	1.65015451		0.500	1.15211131	99.6	%	75-125	08/24/2004	1842
MSD	226142-5	M351	1.65238327	1.65015451	0.500	1.15211131	100.1	%	75-125	08/24/2004	1848
							0.1	R	20		
CCV		M0388	1.00955076		1.00		101.0	%	90-110	08/24/2004	1857
CCB			-0.0001043							08/24/2004	1902
CCV		M0388	1.00558169		1.00		100.6	%	90-110	08/24/2004	1947
B			-0.0001421							08/24/2004	1955
MS	226387-9	M351	0.61462395		0.500	0.11070437	100.8	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.59647958	0.61462395	0.500	0.11070437	97.2	%	75-125	08/24/2004	2028
							3.0	R	20		
CCV		M0388	1.00301114		1.00		100.3	%	90-110	08/24/2004	2040
CCB			0.00008699							08/24/2004	2052

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01464729		2.00		100.7	%	90-110	08/24/2004	1532
ICV		M0368	0.99806578		1.00		99.8	%	90-110	08/24/2004	1540
ICV		M0380	1.00431089		1.00		100.4	%	90-110	08/24/2004	1549
ICB			-0.0001253							08/24/2004	1603
ICB			-0.0005419							08/24/2004	1615
ICV		M0393	0.49935992		0.500		99.9	%	90-110	08/24/2004	1619
CCV		M0388	1.02125822		1.00		102.1	%	90-110	08/24/2004	1624
CCB			-0.0003883							08/24/2004	1633
CCV		M0388	1.02445425		1.00		102.4	%	90-110	08/24/2004	1801
CCB			-0.0002009							08/24/2004	1813
MB		3010	-0.0001402							08/24/2004	1816
LCS		M351	0.49438091		0.500		98.9	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.50898023		0.500	-0.0002852	101.9	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.51905317	0.50898023	0.500	-0.0002852	103.9	%	75-125	08/24/2004	1848
							2.0	R	20		
CCV		M0388	1.00435297		1.00		100.4	%	90-110	08/24/2004	1857
CCB			-0.0001534							08/24/2004	1902
CCV		M0388	0.99437802		1.00		99.4	%	90-110	08/24/2004	1947
CCB			-0.0000717							08/24/2004	1955
	226387-9	M351	0.50673335		0.500	0.00134288	101.1	%	75-125	08/24/2004	2023
	226387-9	M351	0.49755803	0.50673335	0.500	0.00134288	99.2	%	75-125	08/24/2004	2028
							1.8	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226387 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.00157219		1.00		100.2	%	90-110	08/24/2004	2040
CCB			-0.0003967							08/24/2004	2052

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00986281		2.00		100.5	%	90-110	08/24/2004	1532
ICV		M0368	0.98884328		1.00		98.9	%	90-110	08/24/2004	1540
ICV		M0380	1.00028587		1.00		100.0	%	90-110	08/24/2004	1549
ICB			-0.0000865							08/24/2004	1603
ICB			-0.0003640							08/24/2004	1615
ICV		M0393	0.49287856		0.500		98.6	%	90-110	08/24/2004	1619
CV		M0388	1.01627978		1.00		101.6	%	90-110	08/24/2004	1624
CB			0.00006037							08/24/2004	1633
CCV		M0388	1.01841525		1.00		101.8	%	90-110	08/24/2004	1801
CCB			-0.0001722							08/24/2004	1813
MB		3010	-0.0003123							08/24/2004	1816
LCS		M351	0.49909744		0.500		99.8	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.50303762		0.500	0.00501570	99.6	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.50563726	0.50303762	0.500	0.00501570	100.1	%	75-125	08/24/2004	1848
							0.5	R	20		
CCV		M0388	1.00604324		1.00		100.6	%	90-110	08/24/2004	1857
CCB			-0.0001487							08/24/2004	1902
CCV		M0388	1.00162527		1.00		100.2	%	90-110	08/24/2004	1947
CCB			-0.0002151							08/24/2004	1955
MS	226387-9	M351	0.50948176		0.500	0.00049149	101.8	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.49228824	0.50948176	0.500	0.00049149	98.4	%	75-125	08/24/2004	2028
							3.4	R	20		
CCV		M0388	1.00293042		1.00		100.3	%	90-110	08/24/2004	2040
CCB			-0.0009329							08/24/2004	2052

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.03084844		2.00		101.5	%	90-110	08/24/2004	1532
ICV		M0368	0.99756611		1.00		99.8	%	90-110	08/24/2004	1540
ICV		M0380	1.03968390		1.00		104.0	%	90-110	08/24/2004	1549
ICB			-0.0014056							08/24/2004	1603
ICB			-0.0007152							08/24/2004	1615
ICV		M0393	0.50216062		0.500		100.4	%	90-110	08/24/2004	1619
CCV		M0388	1.02709061		1.00		102.7	%	90-110	08/24/2004	1624
CCB			0.00009898							08/24/2004	1633
CV		M0388	1.02454478		1.00		102.5	%	90-110	08/24/2004	1801
B			-0.0008099							08/24/2004	1813
MB		3010	-0.0036600							08/24/2004	1816

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226387 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M351	0.50168898		0.500		100.3	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.50757238		0.500	-0.0006922	101.7	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.49577593	0.50757238	0.500	-0.0006922	99.3	%	75-125	08/24/2004	1848
							2.4	R	20		
CCV		M0388	1.01072302		1.00		101.1	%	90-110	08/24/2004	1857
CCB			-0.0029407							08/24/2004	1902
CCV		M0388	1.00883314		1.00		100.9	%	90-110	08/24/2004	1947
CCB			0.00057644							08/24/2004	1955
MS	226387-9	M351	0.50991079		0.500	0.01641425	98.7	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.50113518	0.50991079	0.500	0.01641425	96.9	%	75-125	08/24/2004	2028
							1.7	R	20		
CCV		M0388	1.01350918		1.00		101.4	%	90-110	08/24/2004	2040
CCB			-0.0023677							08/24/2004	2052

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
ethod Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
arameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02668988		2.00		101.3	%	90-110	08/24/2004	1532
ICV		M0368	0.98421850		1.00		98.4	%	90-110	08/24/2004	1540
ICV		M0380	1.02182332		1.00		102.2	%	90-110	08/24/2004	1549
ICB			-0.0111426							08/24/2004	1603
ICB			0.00814785							08/24/2004	1615
ICV		M0393	0.47986555		0.500		96.0	%	90-110	08/24/2004	1619
CCV		M0388	1.02449188		1.00		102.4	%	90-110	08/24/2004	1624
CCB			-0.0069243							08/24/2004	1633
CCV		M0388	1.01902593		1.00		101.9	%	90-110	08/24/2004	1801
CCB			-0.0128890							08/24/2004	1809
MB		3010	-0.0138419							08/24/2004	1816
LCS		M351	0.47296427		0.500		94.6	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.57349328		0.500	0.04207309	106.3	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.56606488	0.57349328	0.500	0.04207309	104.8	%	75-125	08/24/2004	1848
							1.3	R	20		
CCV		M0388	0.97821110		1.00		97.8	%	90-110	08/24/2004	1857
CCB			0.00102038							08/24/2004	1902
CCV		M0388	0.97595992		1.00		97.6	%	90-110	08/24/2004	1947
CCB			0.00816032							08/24/2004	1955
MS	226387-9	M351	0.51268601		0.500	-0.0145652	105.5	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.47353862	0.51268601	0.500	-0.0145652	97.6	%	75-125	08/24/2004	2028
							7.9	R	20		
CCV		M0388	0.98439019		1.00		98.4	%	90-110	08/24/2004	2040
CCB			-0.0047181							08/24/2004	2052

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226387 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97432 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.99990242		1.0		100.0	%	90-110	08/24/2004	1532
ICV		M0369	0.98038942		1.00		98.0	%	90-110	08/24/2004	1546
ICB			0.00177010							08/24/2004	1603
ICB			-0.0014059							08/24/2004	1615
ICV		M0393	0.51058176		0.500		102.1	%	90-110	08/24/2004	1619
CCV		M0388	0.50586210		0.50		101.2	%	90-110	08/24/2004	1624
CCB			0.00223085							08/24/2004	1633
CCV		M0388	0.51015096		0.50		102.0	%	90-110	08/24/2004	1801
CCB			-0.0004938							08/24/2004	1813
MB		3010	0.00015406							08/24/2004	1816
LCS		M351	0.24133507		0.25		96.5	%	80-120	08/24/2004	1823
MS	226142-5	M351	0.25238608		0.25	-0.0080218	104.2	%	75-125	08/24/2004	1842
MSD	226142-5	M351	0.25712890	0.25238608	0.25	-0.0080218	106.1	%	75-125	08/24/2004	1848
							1.9	R	20		
CCV		M0388	0.50287822		0.50		100.6	%	90-110	08/24/2004	1857
CCB			-0.0000855							08/24/2004	1902
CCV		M0388	0.49526338		0.50		99.1	%	90-110	08/24/2004	1947
B			0.00152390							08/24/2004	1955
MS	226387-9	M351	0.24576680		0.25	0.00119284	97.8	%	75-125	08/24/2004	2023
MSD	226387-9	M351	0.24067366	0.24576680	0.25	0.00119284	95.8	%	75-125	08/24/2004	2028
							2.1	R	20		
CCV		M0388	0.49807596		0.50		99.6	%	90-110	08/24/2004	2040
CCB			-0.0002645							08/24/2004	2052

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
` - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 25169

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ARCADIS/Encycle RCRA Closure	PROJECT NAME/NUMBER: Encycle RCRA Closure
SEND REPORT TO: Ken Brandon/Rich Marcus	**BILLING INFORMATION**
ADDRESS: 711 N. Carancahua Corpus Christi, TX 78475	BILL TO: Rich Marcus ADDRESS:
PHONE: 361-883-1353	PHONE:
FAX: 361-883-7565	FAX: PO NO:

0.7°C

LAB JOB NO. 226387

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag	REMARKS/PRECAUTIONS
US Filter 1-3 Floor	US Filter 1-3 Floor	8/23/04	2:00	L	1 pt. poly	HNO_3		X	
US Filter 4-6 Floor	US Filter 4-6 Floor		2:15					X	
36"&48" Filter Floor	36"&48" Filter Floor		2:30					X	
48" Filter Bottom Floor	~~36"~~&48" Filter Bottom Floor		2:50					X	
48" Filter Bottom Floor Dup.	~~36"~~&48" Filter Bottom Floor Dup.		2:50					X	
Field Blank	Field Blank		3:00					X	
36" South Bottom Floor	36" South Bottom Floor		3:10					X	
36" Middle & North Bottom Floor	36" Middle & North Bottom Floor		3:30					X	
Baby Tank Floor	Baby Tank Floor		4:00					X	

SAMPLER: Ken Brandon/Jacob Clements

SHIPMENT METHOD: IN PERSON

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER _____

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: Ken Brandon	8/23/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: ARCADIS	TIME 16:45	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Olga Veronica Mendoza	8/23/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL	TIME 16:45	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
SEP 15 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226431

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/13/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/13/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 8

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/13/2004

Job Number.: 226431
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: ENCYCLE RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226431-1	48" FILTER BOTTOM FLOOR	Water	08/26/2004	11:00	08/26/2004	11:15

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226431 Date: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: 48" FILTER BOTTOM FLOOR
Date Sampled.....: 08/26/2004
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 226431-1
Date Received.....: 08/26/2004
Time Received.....: 11:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Lead (Pb), Total	0.12	0.01	mg/L	08/27/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate, Total	Complete			08/27/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226431 Report Date.: 09/13/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97573 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02269662		2.00		101.1	%	90-110	08/27/2004	1343
ICV		M0368	1.01996591		1.00		102.0	%	90-110	08/27/2004	1352
ICV		M0380	1.02070493		1.00		102.1	%	90-110	08/27/2004	1401
ICB			-0.0012064							08/27/2004	1427
ICV		M0393	0.50189210		0.500		100.4	%	90-110	08/27/2004	1430
CCV		M0388	1.00370036		1.00		100.4	%	90-110	08/27/2004	1436
CCB			-0.0002704							08/27/2004	1448
CCV		M0388	1.00642697		1.00		100.6	%	90-110	08/27/2004	1535
CCB			-0.0023798							08/27/2004	1547
MB		3010	-0.0021987							08/27/2004	1831
LCS		M351	0.49395925		0.500		98.8	%	80-120	08/27/2004	1838
CCV		M0388	0.99954569		1.00		100.0	%	90-110	08/27/2004	1843
CCB			-0.0027943							08/27/2004	1852
MS	226421-2	M351	0.45752443		0.500	0.00380911	90.7	%	75-125	08/27/2004	1907
MSD	226421-2	M351	0.47192907	0.45752443	0.500	0.00380911	93.6	%	75-125	08/27/2004	1913
							3.1	R	20		
CCV		M0388	0.98261994		1.00		98.3	%	90-110	08/27/2004	1945
B			-0.0024619							08/27/2004	1953
MS	226438-5	M351	0.52801340		0.500	0.04734933	96.1	%	75-125	08/27/2004	2017
MSD	226438-5	M351	0.52643897	0.52801340	0.500	0.04734933				08/27/2004	2023
MB		3050.	-0.0022641							08/27/2004	2040
CCV		M0388	0.99010465		1.00		99.0	%	90-110	08/27/2004	2043
CCB			0.00028503							08/27/2004	2049
LCS		M351	0.50395803		0.500		100.8	%	71-129	08/27/2004	2059
MS	226299-2	M351	0.51834601		0.500	0.05410232	92.8	%	75-125	08/27/2004	2120
MSD	226299-2	M351	0.49545875	0.51834601	0.500	0.05410232	88.3	%	75-125	08/27/2004	2125
							4.5	R	20		
MB		3051	-0.0010737							08/27/2004	2133
LCS		M351	0.50840880		0.500		101.7	%	80-120	08/27/2004	2140
CCV		M0388	1.01158547		1.00		101.2	%	90-110	08/27/2004	2146
CCB			-0.0044639							08/27/2004	2158
MS	226339-2	M351	0.50637933		0.500	-0.0023994	101.8	%	75-125	08/27/2004	2204
MSD	226339-2	M351	0.48130597	0.50637933	0.500	-0.0023994	96.7	%	75-125	08/27/2004	2210
							5.1	R	20		
CCV		M0388	1.01233186		1.00		101.2	%	90-110	08/27/2004	2222
CCB			-0.0020286							08/27/2004	2234

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/13/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT **STL**

No. 24112

Client Delivered Just Sampled 8.26.04

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ARCADIS / ENCYCLE	PROJECT NAME/NUMBER: ENCYCLE PLEA CLOSURE
SEND REPORT TO: KEN BRADNER / RICH MARCUS	**BILLING INFORMATION**
ADDRESS: 711 N. CARANCAHUA C.C. TX 78475	BILL TO: RICH MARCUS ADDRESS: ENCYCLE
PHONE: 361 883 1333	PHONE:
FAX: 361 883 7565	FAX: PO NO:

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: TOTAL LEAD (Pb)	REMARKS/PRECAUTIONS
	48" FILTER BOTTOM FLOOR	8-26-04	1100	L	1 PT POLY	HNO_3	1	X	

LAB JOB NO. 226431

SAMPLER: JACOB CLEMENTS

SHIPMENT METHOD: IN PERSON

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☒ ROUTINE ☐ OTHER

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE:	8-26-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: JACOB CLEMENTS / ARCADIS	TIME 1115	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	8/26/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1115	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

SEVERN TRENT STL

RECEIVED
SEP 24 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226621

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/21/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/22/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 14

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/21/2004

Job Number.: 226621
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000353
Customer Project ID....: RCRA CLOSURE
Project Description....: Encycle

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226621-1	TANK485260 FLOOR	Water	09/09/2004	16:20	09/09/2004	16:40

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226621 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: TANK485260 FLOOR
Date Sampled.....: 09/09/2004
Time Sampled.....: 16:20
Sample Matrix.....: Water

Laboratory Sample ID: 226621-1
Date Received.....: 09/09/2004
Time Received.....: 16:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	09/16/04	hmz
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	09/14/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	09/14/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	09/14/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	09/14/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	09/14/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	09/14/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	09/14/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate, Total	Complete			09/14/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7470A Batch.....: 98246 Analyst...: hmz
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M40916HG	0.00481		0.00500		96.2	%	90-110	09/16/2004	1545
ICB			0.000057							09/16/2004	1549
LCS		M40916LG	0.00487		0.0050		97.4	%	85-115	09/16/2004	1558
MB			-0.000059							09/16/2004	1602
MS	226636-3	M40916HG	0.00813		0.00500	-0.000249	167.6	%	70-130	09/16/2004	1646
MSD	226636-3	M40916HG	0.00760	0.00813	0.00500	-0.000249	157.0	%	70-130	09/16/2004	1650
							6.7	R	20		
CCV		M40916HG	0.00506		0.00500		101.2	%	90-110	09/16/2004	1659
CCB			-0.000195							09/16/2004	1703
MB			-0.000138							09/16/2004	1729
MS	226591-1	M40916HG	0.00819		0.00500	-0.000321	170.2	%	70-130	09/16/2004	1743
MSD	226591-1	M40916HG	0.00752	0.00819	0.00500	-0.000321	156.8	%	70-130	09/16/2004	1747
							8.5	R	20		
CCV		M40916HG	0.00479		0.00500		95.8	%	90-110	09/16/2004	1804
CCB			-0.000184							09/16/2004	1809
MB			0.000081							09/16/2004	1813

Test Method.....: SW-846 7470A Batch.....: 98246 Analyst...: hmz
Method Description.: Mercury (CVAA) Units.....: mg/L Test Code.: HGL
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M40916HG	0.00481		0.00500		96.2	%	90-110	09/16/2004	1545
ICB			0.000057							09/16/2004	1549
LCS		M40916LG	0.00487		0.0050		97.4	%	85-115	09/16/2004	1558
MB			-0.000059							09/16/2004	1602
MS	226636-3	M40916HG	0.00813		0.00500	-0.000249	167.6	%	70-130	09/16/2004	1646
MSD	226636-3	M40916HG	0.00760	0.00813	0.00500	-0.000249	157.0	%	70-130	09/16/2004	1650
							6.7	R	20		
CCV		M40916HG	0.00506		0.00500		101.2	%	90-110	09/16/2004	1659
CCB			-0.000195							09/16/2004	1703
MB			-0.000138							09/16/2004	1729
MS	226591-1	M40916HG	0.00819		0.00500	-0.000321	170.2	%	70-130	09/16/2004	1743
MSD	226591-1	M40916HG	0.00752	0.00819	0.00500	-0.000321	156.8	%	70-130	09/16/2004	1747
							8.5	R	20		
CCV		M40916HG	0.00479		0.00500		95.8	%	90-110	09/16/2004	1804
CCB			-0.000184							09/16/2004	1809
MB			0.000081							09/16/2004	1813

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02870096		2.00		101.4	%	90-110	09/14/2004	1307
ICV		M0368	1.03549555		1.00		103.5	%	90-110	09/14/2004	1316
CV		M0380	1.02303621		1.00		102.3	%	90-110	09/14/2004	1325
CB			0.00072436							09/14/2004	1339
ICV		M0393	0.51764019		0.500		103.5	%	90-110	09/14/2004	1355

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.03477959		1.00		103.5	%	90-110	09/14/2004	1400
CCB			0.00086342							09/14/2004	1413
MB		3010	0.00033730							09/14/2004	1506
CCV		M0388	1.02564397		1.00		102.6	%	90-110	09/14/2004	1513
CCB			0.00536367							09/14/2004	1525
LCS		M351	0.50385218		0.500		100.8	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.53426567		0.500	0.01468854	103.9	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.53929939	0.53426567	0.500	0.01468854	104.9	%	75-125	09/14/2004	1547
							0.9	R	20		
CCV		M0388	1.03033974		1.00		103.0	%	90-110	09/14/2004	1610
CCB			0.00132771							09/14/2004	1622
CCV		M0388	1.01383720		1.00		101.4	%	90-110	09/14/2004	1702
CCB			0.00376039							09/14/2004	1714
MB		3010	0.00391002							09/14/2004	1746
CCV		M0388	1.03825364		1.00		103.8	%	90-110	09/14/2004	1753
CCB			0.00211583							09/14/2004	1805
LCS		M351	0.49262951		0.500		98.5	%	80-120	09/14/2004	1809
:	226640-2	M351	0.51605702		0.500	0.04364057	94.5	%	75-125	09/14/2004	1822
.SD	226640-2	M351	0.55685524	0.51605702	0.500	0.04364057	102.6	%	75-125	09/14/2004	1827
							7.6	R	20		
CCV		M0388	1.02609776		1.00		102.6	%	90-110	09/14/2004	1850
CCB			-0.0003847							09/14/2004	1902
CCV		M0388	1.01544181		1.00		101.5	%	90-110	09/14/2004	1938
CCB			0.00116271							09/14/2004	1950
MB		3010.	0.00125704							09/14/2004	2009
LCS		M351	0.49352537		0.500		98.7	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.57332171		0.500	0.04888372	104.9	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.59485193	0.57332171	0.500	0.04888372	109.2	%	75-125	09/14/2004	2030
							3.7	R	20		
CCV		M0388	1.03950815		1.00		104.0	%	90-110	09/14/2004	2036
CCB			0.00326228							09/14/2004	2048
CCV		M0388	1.03208320		1.00		103.2	%	90-110	09/14/2004	2131
CCB			0.00175558							09/14/2004	2143

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99247803		2.00		99.6	%	90-110	09/14/2004	1307
ICV		M0369	1.03062442		1.00		103.1	%	90-110	09/14/2004	1321
ICB			0.00012096							09/14/2004	1339
ICV		M0393	0.53003952		0.500		106.0	%	90-110	09/14/2004	1355
CCV		M0388	1.03529115		1.00		103.5	%	90-110	09/14/2004	1400
CCB			-0.0004559							09/14/2004	1413
MB		3010	0.00021897							09/14/2004	1506
CCV		M0388	1.03108009		1.00		103.1	%	90-110	09/14/2004	1513
CCB			0.00011574							09/14/2004	1525
LCS		M351	0.51052952		0.500		102.1	%	80-120	09/14/2004	1529
	226608-2	M351	0.71162150		0.500	0.37839368	66.6	%	75-125	09/14/2004	1542
.SD	226608-2	M351	0.71964262	0.71162150	0.500	0.37839368	68.2	%	75-125	09/14/2004	1547
							1.1	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	1.02685240		1.00		102.7	%	90-110	09/14/2004	1610
CCB			-0.0000099							09/14/2004	1622
CCV		M0388	1.02382325		1.00		102.4	%	90-110	09/14/2004	1702
CCB			0.00012998							09/14/2004	1714
MB		3010	0.00044867							09/14/2004	1746
CCV		M0388	1.02954688		1.00		103.0	%	90-110	09/14/2004	1753
CCB			-0.0001727							09/14/2004	1805
LCS		M351	0.49647571		0.500		99.3	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.72272132		0.500	0.30418530	83.7	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.77418170	0.72272132	0.500	0.30418530	94.0	%	75-125	09/14/2004	1827
							6.9	R	20		
CCV		M0388	1.03226053		1.00		103.2	%	90-110	09/14/2004	1850
CCB			0.00013496							09/14/2004	1902
CCV		M0388	1.02606186		1.00		102.6	%	90-110	09/14/2004	1938
CCB			-0.0000923							09/14/2004	1950
MB		3010.	0.00036040							09/14/2004	2009
LCS		M351	0.49859901		0.500		99.7	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.61423604		0.500	0.16471258	89.9	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.65385546	0.61423604	0.500	0.16471258	97.8	%	75-125	09/14/2004	2030
							6.2	R	20		
CCV		M0388	1.03196853		1.00		103.2	%	90-110	09/14/2004	2036
CCB			-0.0000103							09/14/2004	2048
CCV		M0388	1.03104540		1.00		103.1	%	90-110	09/14/2004	2131
CCB			0.00004630							09/14/2004	2143

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01241046		2.00		100.6	%	90-110	09/14/2004	1307
ICV		M0368	1.03781602		1.00		103.8	%	90-110	09/14/2004	1316
ICV		M0380	1.02354859		1.00		102.4	%	90-110	09/14/2004	1325
ICB			-0.0000379							09/14/2004	1339
ICV		M0393	0.52141900		0.500		104.3	%	90-110	09/14/2004	1355
CCV		M0388	1.02028964		1.00		102.0	%	90-110	09/14/2004	1400
CCB			-0.0000320							09/14/2004	1413
MB		3010	-0.0001435							09/14/2004	1506
CCV		M0388	1.02076348		1.00		102.1	%	90-110	09/14/2004	1513
CCB			0.00002969							09/14/2004	1525
LCS		M351	0.49524766		0.500		99.0	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.49797887		0.500	0.00104522	99.4	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.50027446	0.49797887	0.500	0.00104522	99.8	%	75-125	09/14/2004	1547
							0.5	R	20		
CCV		M0388	1.01069245		1.00		101.1	%	90-110	09/14/2004	1610
CCB			0.00005352							09/14/2004	1622
CCV		M0388	1.00578489		1.00		100.6	%	90-110	09/14/2004	1702
CCB			-0.0000131							09/14/2004	1714
MB		3010	-0.0000805							09/14/2004	1746
CV		M0388	1.01849264		1.00		101.8	%	90-110	09/14/2004	1753
CCB			0.00006795							09/14/2004	1805

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M351	0.49041669		0.500		98.1	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.45803981		0.500	0.00076249	91.5	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.48718587	0.45803981	0.500	0.00076249	97.3	%	75-125	09/14/2004	1827
							6.2	R	20		
CCV		M0388	1.01994055		1.00		102.0	%	90-110	09/14/2004	1850
CCB			0.00001143							09/14/2004	1902
CCV		M0388	1.00613862		1.00		100.6	%	90-110	09/14/2004	1938
CCB			0.00007449							09/14/2004	1950
MB		3010.	0.00002576							09/14/2004	2009
LCS		M351	0.48719952		0.500		97.4	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.80140101		0.500	0.33553714	93.2	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.85271896	0.80140101	0.500	0.33553714	103.4	%	75-125	09/14/2004	2030
							6.2	R	20		
CCV		M0388	1.02121341		1.00		102.1	%	90-110	09/14/2004	2036
CCB			0.00009591							09/14/2004	2048
CCV		M0388	1.01555265		1.00		101.6	%	90-110	09/14/2004	2131
CCB			0.00001926							09/14/2004	2143

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99586825		2.00		99.8	%	90-110	09/14/2004	1307
ICV		M0368	1.02366121		1.00		102.4	%	90-110	09/14/2004	1316
ICV		M0380	1.01595202		1.00		101.6	%	90-110	09/14/2004	1325
ICB			0.00012474							09/14/2004	1339
ICV		M0393	0.51561046		0.500		103.1	%	90-110	09/14/2004	1355
CCV		M0388	1.02104180		1.00		102.1	%	90-110	09/14/2004	1400
CCB			-0.0001112							09/14/2004	1413
MB		3010	-0.0002665							09/14/2004	1506
CCV		M0388	1.01841871		1.00		101.8	%	90-110	09/14/2004	1513
CCB			0.00005083							09/14/2004	1525
LCS		M351	0.49525822		0.500		99.1	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.52163382		0.500	0.03133169	98.1	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.52069383	0.52163382	0.500	0.03133169	97.9	%	75-125	09/14/2004	1547
							0.2	R	20		
CCV		M0388	1.01545287		1.00		101.5	%	90-110	09/14/2004	1610
CCB			-0.0001196							09/14/2004	1622
CCV		M0388	1.00975642		1.00		101.0	%	90-110	09/14/2004	1702
CCB			0.00005621							09/14/2004	1714
MB		3010	-0.0002190							09/14/2004	1746
CCV		M0388	1.01899503		1.00		101.9	%	90-110	09/14/2004	1753
CCB			-0.0003344							09/14/2004	1805
LCS		M351	0.48918178		0.500		97.8	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.45784117		0.500	0.00078106	91.4	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.48906691	0.45784117	0.500	0.00078106	97.7	%	75-125	09/14/2004	1827
							6.6	R	20		
CCV		M0388	1.02123268		1.00		102.1	%	90-110	09/14/2004	1850
CCB			-0.0000337							09/14/2004	1902
CCV		M0388	1.01283947		1.00		101.3	%	90-110	09/14/2004	1938

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000481							09/14/2004	1950
MB		3010.	-0.0001229							09/14/2004	2009
LCS		M351	0.49005379		0.500		98.0	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.69951824		0.500	0.24256636	91.4	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.74525009	0.69951824	0.500	0.24256636	100.5	%	75-125	09/14/2004	2030
							6.3	R	20		
CCV		M0388	1.02509278		1.00		102.5	%	90-110	09/14/2004	2036
CCB			-0.0000361							09/14/2004	2048
CCV		M0388	1.02184078		1.00		102.2	%	90-110	09/14/2004	2131
CCB			-0.0003003							09/14/2004	2143

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CRS		M0387	2.00582335		2.00		100.3	%	90-110	09/14/2004	1307
ICV		M0368	1.05184634		1.00		105.2	%	90-110	09/14/2004	1316
ICV		M0380	1.03905887		1.00		103.9	%	90-110	09/14/2004	1325
ICB			0.00038567							09/14/2004	1339
ICV		M0393	0.52482748		0.500		105.0	%	90-110	09/14/2004	1355
CCV		M0388	1.01514736		1.00		101.5	%	90-110	09/14/2004	1400
CCB			0.00158808							09/14/2004	1413
MB		3010	0.00246220							09/14/2004	1506
CCV		M0388	1.00766391		1.00		100.8	%	90-110	09/14/2004	1513
CCB			0.00063445							09/14/2004	1525
LCS		M351	0.49739218		0.500		99.5	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.48670104		0.500	0.00580127	96.2	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.48962858	0.48670104	0.500	0.00580127	96.8	%	75-125	09/14/2004	1547
							0.6	R	20		
CCV		M0388	1.00927866		1.00		100.9	%	90-110	09/14/2004	1610
CCB			0.00208051							09/14/2004	1622
CCV		M0388	0.99827663		1.00		99.8	%	90-110	09/14/2004	1702
CCB			-0.0002850							09/14/2004	1714
MB		3010	-0.0001207							09/14/2004	1746
CCV		M0388	1.01834709		1.00		101.8	%	90-110	09/14/2004	1753
CCB			0.00089450							09/14/2004	1805
LCS		M351	0.49027819		0.500		98.1	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.44736519		0.500	0.00162925	89.1	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.47546733	0.44736519	0.500	0.00162925	94.8	%	75-125	09/14/2004	1827
							6.1	R	20		
CCV		M0388	1.00812663		1.00		100.8	%	90-110	09/14/2004	1850
CCB			0.00028520							09/14/2004	1902
CCV		M0388	1.00492717		1.00		100.5	%	90-110	09/14/2004	1938
CCB			0.00036387							09/14/2004	1950
MB		3010.	0.00030221							09/14/2004	2009
LCS		M351	0.48876352		0.500		97.8	%	80-120	09/14/2004	2013
MS	226590-1	M351	1.08536515		0.500	0.65526552	86.0	%	75-125	09/14/2004	2025
MSD	226590-1	M351	1.15966885	1.08536515	0.500	0.65526552	100.9	%	75-125	09/14/2004	2030
							6.6	R	20		
CCV		M0388	1.02176954		1.00		102.2	%	90-110	09/14/2004	2036

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0002707							09/14/2004	2048
CCV		M0388	1.02267598		1.00		102.3	%	90-110	09/14/2004	2131
CCB			-0.0001973							09/14/2004	2143

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.06741532		2.00		103.4	%	90-110	09/14/2004	1307
ICV		M0368	1.07879175		1.00		107.9	%	90-110	09/14/2004	1316
ICV		M0380	1.05321853		1.00		105.3	%	90-110	09/14/2004	1325
ICB			-0.0042840							09/14/2004	1339
ICV		M0393	0.53393694		0.500		106.8	%	90-110	09/14/2004	1355
CV		M0388	1.05261712		1.00		105.3	%	90-110	09/14/2004	1400
CB			-0.0020170							09/14/2004	1413
MB		3010	-0.0010520							09/14/2004	1506
CCV		M0388	1.04331189		1.00		104.3	%	90-110	09/14/2004	1513
CCB			-0.0014620							09/14/2004	1525
LCS		M351	0.50848996		0.500		101.7	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.52259389		0.500	-0.0197754	108.5	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.51227078	0.52259389	0.500	-0.0197754	106.4	%	75-125	09/14/2004	1547
							2.0	R	20		
CCV		M0388	1.05282167		1.00		105.3	%	90-110	09/14/2004	1610
CCB			0.00106017							09/14/2004	1622
CCV		M0388	1.03231415		1.00		103.2	%	90-110	09/14/2004	1702
CCB			-0.0022963							09/14/2004	1714
MB		3010	-0.0055999							09/14/2004	1746
CCV		M0388	1.05924852		1.00		105.9	%	90-110	09/14/2004	1753
CCB			0.00466553							09/14/2004	1805
LCS		M351	0.50015344		0.500		100.0	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.47634996		0.500	-0.0125358	97.8	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.49954791	0.47634996	0.500	-0.0125358	102.4	%	75-125	09/14/2004	1827
							4.8	R	20		
CCV		M0388	1.03502687		1.00		103.5	%	90-110	09/14/2004	1850
CCB			-0.0035720							09/14/2004	1902
CCV		M0388	1.02667110		1.00		102.7	%	90-110	09/14/2004	1938
CCB			0.00471367							09/14/2004	1950
MB		3010.	0.00346356							09/14/2004	2009
LCS		M351	0.49780125		0.500		99.6	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.52720867		0.500	-0.0099528	107.4	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.55145908	0.52720867	0.500	-0.0099528	112.3	%	75-125	09/14/2004	2030
							4.5	R	20		
CCV		M0388	1.05757933		1.00		105.8	%	90-110	09/14/2004	2036
CCB			-0.0008054							09/14/2004	2048
CCV		M0388	1.03485349		1.00		103.5	%	90-110	09/14/2004	2131
CCB			0.00413675							09/14/2004	2143

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226621 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98137 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00528514		1.0		100.5	%	90-110	09/14/2004	1307
ICV		M0369	1.05456368		1.00		105.5	%	90-110	09/14/2004	1321
ICB			-0.0009974							09/14/2004	1339
ICV		M0393	0.53081046		0.500		106.2	%	90-110	09/14/2004	1355
CCV		M0388	0.51337672		0.50		102.7	%	90-110	09/14/2004	1400
CCB			-0.0004016							09/14/2004	1413
MB		3010	-0.0008138							09/14/2004	1506
CCV		M0388	0.50866084		0.50		101.7	%	90-110	09/14/2004	1513
CCB			-0.0001780							09/14/2004	1525
LCS		M351	0.20937656		0.25		83.8	%	80-120	09/14/2004	1529
MS	226608-2	M351	0.21162665		0.25	-0.0044546	86.4	%	75-125	09/14/2004	1542
MSD	226608-2	M351	0.21330853	0.21162665	0.25	-0.0044546	87.1	%	75-125	09/14/2004	1547
							0.8	R	20		
CCV		M0388	0.50618669		0.50		101.2	%	90-110	09/14/2004	1610
CCB			-0.0002729							09/14/2004	1622
CCV		M0388	0.50228922		0.50		100.5	%	90-110	09/14/2004	1702
CCB			-0.0014267							09/14/2004	1714
B		3010	-0.0001818							09/14/2004	1746
CCV		M0388	0.50865605		0.50		101.7	%	90-110	09/14/2004	1753
CCB			-0.0018045							09/14/2004	1805
LCS		M351	0.20870459		0.25		83.5	%	80-120	09/14/2004	1809
MS	226640-2	M351	0.19929545		0.25	-0.0028579	80.9	%	75-125	09/14/2004	1822
MSD	226640-2	M351	0.20791181	0.19929545	0.25	-0.0028579	84.3	%	75-125	09/14/2004	1827
							4.2	R	20		
CCV		M0388	0.50992157		0.50		102.0	%	90-110	09/14/2004	1850
CCB			-0.0007947							09/14/2004	1902
CCV		M0388	0.50200937		0.50		100.4	%	90-110	09/14/2004	1938
CCB			-0.0000094							09/14/2004	1950
MB		3010.	0.00052728							09/14/2004	2009
LCS		M351	0.20755793		0.25		83.0	%	80-120	09/14/2004	2013
MS	226590-1	M351	0.21467700		0.25	-0.0006044	86.1	%	75-125	09/14/2004	2025
MSD	226590-1	M351	0.22616353	0.21467700	0.25	-0.0006044	90.7	%	75-125	09/14/2004	2030
							5.2	R	20		
CCV		M0388	0.51088427		0.50		102.2	%	90-110	09/14/2004	2036
CCB			-0.0002391							09/14/2004	2048
CCV		M0388	0.50980680		0.50		102.0	%	90-110	09/14/2004	2131
CCB			-0.0018158							09/14/2004	2143

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2004

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle RCRA Closure
Project Location: Corpus Christi, TX
Laboratory: STL
Project Manager: Ken Brandner
Sampler(s)/Affiliation: Ken Brandner / ARCADIS

14.2°C just sampled on ice

22621

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag (1pt. poly w/HNO3)						Remarks	Total
Tank 485260 Floor	L	9/9/04 16:20		1						Normal turnaround	1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 1

Relinquished by: Ken Brandner	Organization: ARCADIS	Date 9/9/04	Time 1640	Seal Intact?		
Received by: Olga Verduzco/Monica Morales	Organization: STL	Date 9/9/04	Time 16:40	Yes	No	N/A
Relinquished by: _____	Organization: _____	Date / /	Time _____	Seal Intact?		
Received by: _____	Organization: _____	Date / /	Time _____	Yes	No	N/A

Special Instructions/Remarks: Results to Ken Brandner & Rich Marcus. Invoice to Rich Marcus for RCRA Closure.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

APPENDIX G

Appendix G

Encycle Constituents of Concern

Table 2. Constituents of Concern, Encycle/Texas, Inc., Corpus Christi, Texas

Constituent
Antimony
Arsenic
Barium
Bismuth
Cadmium
Chromium
Cobalt
Copper
Cyanide
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Thallium
Tin
Vanadium
Zinc

APPENDIX H

Appendix H

Soil Background Concentrations

Table 9. Soil Background Concentrations (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Constituent	0-0.5 feet[a]	2-2.5 feet[b]	Unsaturated soil sample[c]	Saturated soil sample[d]	Clay/Silt Strata[e]	Clean sand strata[f]
Antimony					*0.77*	*0.80*
Arsenic	16.65	8.01	21.86	9.8		
Barium					*720*	*202*
Bismuth	4.90					
Cadmium	11.70	4.47	4.97	3.64		
Chromium					*14.9*	*35.9*
Cobalt	9.72					
Copper	40.33	17.20	16.15	18.26		
Cyanide	0.24					
Lead	109.16	54.36	38.96	30.92		
Manganese	333.73	360.83	592.50	686.68		
Mercury	0.09					
Nickel	25.80	27.21	29.74	25.86		
Selenium	0.89					
Silver					*0.54*	*0.50*
Thallium					*1.02*	*1.0*
Tin	7.65					
Vanadium					*35.6*	*15.7*
Zinc	---	---	---	---	---	---

Table 9. Soil Background Concentrations (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

a Concentrations approved in an April 28, 1997 TNRCC letter, except for antimony, barium, chromium, silver, thallium, and vanadium which were re-calculated following collection of additional background samples on January 15, 2001.

b Concentrations taken from Encycle May 19, 1993 letter report regarding background sampling program.

c Variable depth representative of soil conditions above the uppermost water table (K. W. Brown September 1993 RFI Report).

d Variable depth representative of soil conditions at top of the water table (K. W. Brown September 1993 RFI Report).

e Lithology-specific concentration for clay/silt strata (not depth-specific). Includes strata with a Unified Soil Classification System (USCS) description of "ML", "CL", "SM", and "SC".

f Lithology-specific concentration for clean sand strata (not depth-specific). Strata with a USCS description of "SP" and "SW".

Notes:

1) April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at this site. Therefore, zinc background level not given.
2) Concentrations shown on 0-0.5 feet column shall be used as background concentration for all soil depth intervals for bismuth, cobalt, cyanide, mercury, selenium, and tin as shown above.
3) Soil background concentrations were re-calculated for antimony, barium, chromium, silver, thallium, and vanadium as specified in the ARCADIS October 17, 2000 work plan and the TNRCC January 4, 2001 letter regarding the work plan. Revised background concentrations for these constituents are shown in ***bold italics***.
4) As specified in the TNRCC June 14, 2001 letter, soil background concentrations for antimony, barium, chromium, silver, thallium, and vanadium were calculated for each lithologic unit encountered at the facility which consisted of clay/silt strata and clean sand strata at the background soil sample locations.
5) Soil samples obtained from clay strata, silt strata, clay/sand mixtures, and silt/sand mixtures for antimony, barium, chromium, silver, thallium, and vanadium will be compared to background values for clay/silt strata as shown above. This will include fine-grained soils with the USCS of "ML" and "CL", and sands with fines (USCS of "SM" and "SC").
6) Soil samles obtained from clean sand strata (i.e., well sorted sands with little or no fines) for antimony, barium, chromium, silver, thallium, and vanadium will be compared to background values for clean sand strata as shown above. This will consist of well-sorted (poorly graded) sand strata with a USCS of "SP" and "SW".

APPENDIX I

ARCADIS

Appendix I

Laboratory Reports – Soil Samples

SEVERN TRENT STL

RECEIVED
SEP 24 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 226501

Prepared For:

ARCADIS / G&M
711 North Carancahua, Suite 1700
Corpus Christi, TX 78475-1801

Attention: Ken Brandner

Date: 09/21/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

9/22/04
Date

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

PHONE: 361/289-2673
FAX..: 361/289-2471

TOTAL # OF PAGES 51

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 09/21/2004

Job Number.: 226501
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: RCRA CLOSURE
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226501-1	FAC1,CRACK1 0-0.5ft.	Soil	08/31/2004	11:40	08/31/2004	16:15
226501-2	FAC1,CRACK1 2.0-2.5ft.	Soil	08/31/2004	11:45	08/31/2004	16:15
226501-3	FAC1,CRACK2 0-0.5ft.	Soil	08/31/2004	14:00	08/31/2004	16:15
226501-4	FAC1,CRACK2 2.0-2.5ft.	Soil	08/31/2004	14:10	08/31/2004	16:15
226501-5	FAC1,CRACK3 0-0.5ft.	Soil	08/31/2004	14:30	08/31/2004	16:15
226501-6	FAC1,CRACK3 2.0-2.5ft.	Soil	08/31/2004	14:40	08/31/2004	16:15

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK1 0-0.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-1
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	09/03/04	hmz
EPA 9010B/9012	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	09/08/04	dev
EPA 9013	Cyanide Extraction for Solids & Oils	Complete			09/07/04	ac
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Arsenic (As), Solid	17	1	mg/Kg	09/01/04	jem
SW-846 6010B	Barium (Ba), Solid	37	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cadmium (Cd), Solid	74	1	mg/Kg	09/01/04	jem
SW-846 6010B	Chromium (Cr), Solid	7	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cobalt (Co), Solid	7	1	mg/Kg	09/01/04	jem
SW-846 6010B	Copper (Cu), Solid	10	1	mg/Kg	09/01/04	jem
SW-846 6010B	Lead (Pb), Solid	9.6	1.5	mg/Kg	09/01/04	jem
SW-846 6010B	Manganese (Mn), Solid	2300	5	mg/Kg	09/03/04	jem
SW-846 6010B	Nickel (Ni), Solid	7	1	mg/Kg	09/01/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/01/04	jem
SW-846 6010B	Thallium (Tl), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	09/01/04	jem
SW-846 6010B	Vanadium (V), Solid	10	1	mg/Kg	09/01/04	jem
SW-846 6010B	Zinc (Zn), Solid	34800	5	mg/Kg	09/03/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/01/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK1 2.0-2.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 11:45
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-2
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Arsenic (As), Solid	8	1	mg/Kg	09/15/04	jem
SW-846 6010B	Cadmium (Cd), Solid	404	1	mg/Kg	09/15/04	jem
SW-846 6010B	Manganese (Mn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 6010B	Zinc (Zn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/15/04	ac

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK2 0-0.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-3
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	0.8	0.2	mg/Kg	09/03/04	hmz
EPA 9010B/9012	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	09/08/04	dev
EPA 9013	Cyanide Extraction for Solids & Oils	Complete			09/07/04	ac
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Arsenic (As), Solid	18	1	mg/Kg	09/01/04	jem
SW-846 6010B	Barium (Ba), Solid	109	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cadmium (Cd), Solid	72	1	mg/Kg	09/01/04	jem
SW-846 6010B	Chromium (Cr), Solid	5	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cobalt (Co), Solid	3	1	mg/Kg	09/01/04	jem
SW-846 6010B	Copper (Cu), Solid	73	1	mg/Kg	09/01/04	jem
SW-846 6010B	Lead (Pb), Solid	86.8	1.5	mg/Kg	09/01/04	jem
SW-846 6010B	Manganese (Mn), Solid	1630	1	mg/Kg	09/01/04	jem
SW-846 6010B	Nickel (Ni), Solid	5	1	mg/Kg	09/01/04	jem
SW-846 6010B	Selenium (Se), Solid	6	1	mg/Kg	09/01/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/01/04	jem
SW-846 6010B	Thallium (Tl), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	09/01/04	jem
SW-846 6010B	Vanadium (V), Solid	13	1	mg/Kg	09/01/04	jem
SW-846 6010B	Zinc (Zn), Solid	27300	5	mg/Kg	09/03/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/01/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK2 2.0-2.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 14:10
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-4
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	09/14/04	hmz
SW-846 6010B	Arsenic (As), Solid	8	1	mg/Kg	09/15/04	jem
SW-846 6010B	Cadmium (Cd), Solid	96	1	mg/Kg	09/15/04	jem
SW-846 6010B	Copper (Cu), Solid	4	1	mg/Kg	09/15/04	jem
SW-846 6010B	Manganese (Mn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 6010B	Zinc (Zn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/15/04	ac

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK3 0-0.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-5
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	09/03/04	hmz
EPA 9010B/9012	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	09/08/04	dev
EPA 9013	Cyanide Extraction for Solids & Oils	Complete			09/07/04	ac
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Arsenic (As), Solid	17	1	mg/Kg	09/01/04	jem
SW-846 6010B	Barium (Ba), Solid	123	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cadmium (Cd), Solid	147	1	mg/Kg	09/01/04	jem
SW-846 6010B	Chromium (Cr), Solid	6	1	mg/Kg	09/01/04	jem
SW-846 6010B	Cobalt (Co), Solid	4	1	mg/Kg	09/01/04	jem
SW-846 6010B	Copper (Cu), Solid	37	1	mg/Kg	09/01/04	jem
SW-846 6010B	Lead (Pb), Solid	18.8	1.5	mg/Kg	09/01/04	jem
SW-846 6010B	Manganese (Mn), Solid	690	1	mg/Kg	09/01/04	jem
SW-846 6010B	Nickel (Ni), Solid	8	1	mg/Kg	09/01/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/01/04	jem
SW-846 6010B	Thallium (Tl), Solid	<1	1	mg/Kg	09/01/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	09/01/04	jem
SW-846 6010B	Vanadium (V), Solid	13	1	mg/Kg	09/01/04	jem
SW-846 6010B	Zinc (Zn), Solid	25300	1	mg/Kg	09/03/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/01/04	cdt

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 226501 Date: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Customer Sample ID: FAC1,CRACK3 2.0-2.5ft.
Date Sampled.....: 08/31/2004
Time Sampled.....: 14:40
Sample Matrix.....: Soil

Laboratory Sample ID: 226501-6
Date Received.....: 08/31/2004
Time Received.....: 16:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Arsenic (As), Solid	7	1	mg/Kg	09/15/04	jem
SW-846 6010B	Cadmium (Cd), Solid	210	1	mg/Kg	09/15/04	jem
SW-846 6010B	Manganese (Mn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 6010B	Zinc (Zn), Solid	<1	1	mg/Kg	09/15/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			09/15/04	ac

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 7471A Batch.....: 97845 Analyst...: hmz
Method Description.: Mercury (CVAA) Units.....: mg/Kg Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			0.000037							09/03/2004	1357
ICV		M40903HG	0.00500		0.00500		100.0	%	90-110	09/03/2004	1401
CCV		M40903HG	0.00545		0.00500		109.0	%	80-120	09/03/2004	1409
SB		M384D	0.00891		0.037700					09/03/2004	1413
MB			-0.000654							09/03/2004	1417
MS	226497-5	M40903HG	0.00558		0.00500	0.000391	103.8	%	70-130	09/03/2004	1433
MSD	226497-5	M40903HG	0.00552	0.00558	0.00500	0.000391	102.6	%	70-130	09/03/2004	1437
							1.1	R	20		
MS	226520-2	M40903HG	0.00526		0.00500	0.00145	76.2	%	70-130	09/03/2004	1501
MSD	226520-2	M40903HG	0.00623	0.00526	0.00500	0.00145	95.6	%	70-130	09/03/2004	1505
							16.9	R	20		
CCV		M40903HG	0.00518		0.00500		103.6	%	80-120	09/03/2004	1513
CCB			-0.000002							09/03/2004	1517
CCB			-0.000066							09/03/2004	1521
SB		M384D	0.00511		0.037700					09/03/2004	1600
MB			-0.00138							09/03/2004	1604
S	226522-7	M40903HG	0.00702		0.00500	0.00128	114.8	%	70-130	09/03/2004	1612
SD	226522-7	M40903HG	0.00719	0.00702	0.00500	0.00128	118.2	%	70-130	09/03/2004	1616
							2.4	R	20		
CCV		M40903HG	0.00538		0.00500		107.6	%	80-120	09/03/2004	1620
CCB			-0.000028							09/03/2004	1624
CCB			0.000166							09/03/2004	1628
MB			0.000170							09/03/2004	1712
CCV		M40903HG	0.00522		0.00500		104.4	%	80-120	09/03/2004	1716

Test Method.....: SW-846 7471A Batch.....: 98140 Analyst...: hmz
Method Description.: Mercury (CVAA) Units.....: mg/Kg Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			-0.000116							09/14/2004	1350
ICV		M40914HG	0.00539		0.00500		107.8	%	90-110	09/14/2004	1353
CCB			0.000043							09/14/2004	1355
SB		M384D	0.00721		0.037700					09/14/2004	1400
MB			0.000043							09/14/2004	1403
MS	226602-1	M40914HG	0.00850		0.00500	0.00269				09/14/2004	1411
MSD	226602-1	M40914HG	0.00827	0.00850	0.00500	0.00269				09/14/2004	1413
CCV		M40914HG	0.00502		0.00500		100.4	%	80-120	09/14/2004	1437
CCB			-0.000112							09/14/2004	1439
SB		M384D	0.00703		0.037700					09/14/2004	1510
MB			-0.000263							09/14/2004	1513
CCV		M40914HG	0.00522		0.00500		104.4	%	80-120	09/14/2004	1515
CCB			-0.000185							09/14/2004	1518
MS	226668-4	M40914HG	0.00566		0.00500	-0.000160	116.4	%	70-130	09/14/2004	1526
MSD	226668-4	M40914HG	0.00560	0.00566	0.00500	-0.000160	115.2	%	70-130	09/14/2004	1528
							1.1	R	20		
MS	226644-1	M40914HG	0.00590		0.00500	-0.000362				09/14/2004	1536
MSD	226644-1	M40914HG	0.00590	0.00590	0.00500	-0.000362				09/14/2004	1539
CV		M40914HG	0.00505		0.00500		101.0	%	80-120	09/14/2004	1544
CB			-0.000108							09/14/2004	1546
MB			-0.000110							09/14/2004	1549

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: EPA 9010B/9012A Batch.....: 97933 Analyst...: dev
Method Description.: Cyanide (Colorimetric, Automated) Units.....: mg/L Test Code.: CNT
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB		090804	-0.0072							09/08/2004	1600
CCV		CN040908E	0.4121		0.398		103.5	%	80-120	09/08/2004	1601
MB		090804	-0.155							09/08/2004	1603
LCS		CN040908Z	7.34		7.508		97.8	%	85-115	09/08/2004	1604
LCD		CN040908Z	7.73	7.34	7.508	7.34	103.0	%	85-115	09/08/2004	1606
							5.2	R	20		
CCB		090804	-0.0071							09/08/2004	1625
CCV		CN040908E	0.4115		0.398		103.4	%	80-120	09/08/2004	1627
CCB		090804	-0.0069							09/08/2004	1646
CCV		CN040908E	0.4068		0.398		102.2	%	80-120	09/08/2004	1647
CCB		090804	-0.0078							09/08/2004	1900
CCV		CN040908E	0.4080		0.398		102.5	%	80-120	09/08/2004	1902
MB		090804	-0.320							09/08/2004	1904
LCS		CN040908Z	7.34		7.508		97.8	%	85-115	09/08/2004	1906
LCD		CN040908Z	7.145	7.34	7.508	7.34	95.2	%	85-115	09/08/2004	1908
							2.7	R	20		
CCB		090804	-0.0068							09/08/2004	1933
CCV		CN040908E	0.4347		0.398		109.2	%	80-120	09/08/2004	1935
MS	226501-1	CN040908Y	2.335		2.502	-0.085	96.7	%	75-125	09/08/2004	1941
MSD	226501-1	CN040908Y	2.295	2.335	2.502	-0.085	95.1	%	75-125	09/08/2004	1943
							1.7	R	20		
MS	226522-15	CN040908Y	2.275		2.502	-0.090	94.5	%	75-125	09/08/2004	1948
MSD	226522-15	CN040908Y	2.275	2.275	2.502	-0.090	94.5	%	75-125	09/08/2004	1950
							0.0	R	20		
MS	226569-9	CN040908Y	2.345		2.502	-0.135	99.1	%	75-125	09/08/2004	1954
MSD	226569-9	CN040908Y	2.360	2.345	2.502	-0.135	99.7	%	75-125	09/08/2004	1956
							0.6	R	20		
CCB		090804	-0.0077							09/08/2004	1958
CCV		CN040908E	0.4220		0.398		106.0	%	80-120	09/08/2004	2000

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SB
Parameter.....: Antimony (Sb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M0371	0.99194532		1.00		99.2	%	90-110	09/01/2004	1820
ICV		M0368	1.00506097		1.00		100.5	%	90-110	09/01/2004	1826
ICV		M0380	1.04819748		1.00		104.8	%	90-110	09/01/2004	1834
ICV		M0374	0.99721355		1.00		99.7	%	90-110	09/01/2004	1840
ICB			-0.0028263							09/01/2004	1848
ICB			0.00250562							09/01/2004	1901
ICV		M0393	0.50643358		0.500		101.3	%	90-110	09/01/2004	1904
CCV		M0388	0.96401290		1.00		96.4	%	90-110	09/01/2004	1909
CCB			-0.0026891							09/01/2004	1921
MB		3010	-0.0004528							09/01/2004	1925
LCS		M351	0.51505827		0.500		103.0	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.52403079		0.500	-0.0140708	107.6	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.52006686	0.52403079	0.500	-0.0140708				09/01/2004	1953
CCV		M0388	0.95866050		1.00		95.9	%	90-110	09/01/2004	2005
CCB			-0.0121893							09/01/2004	2017
MB		3010	0.00385914							09/01/2004	2101

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SB
Parameter.....: Antimony (Sb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.95023784		1.00		95.0	%	90-110	09/01/2004	2108
CCB			0.00117243							09/01/2004	2120
LCS		M351	0.55325569		0.500		110.7	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.52461037		0.500	-0.0016539	105.3	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.52082917	0.52461037	0.500	-0.0016539	104.5	%	75-125	09/01/2004	2154
							0.7	R	20		
MB		3050	-0.0061396							09/01/2004	2202
CCV		M0388	0.96992986		1.00		97.0	%	90-110	09/01/2004	2209
CCB			0.00971308							09/01/2004	2215
LCS		M383D	0.43959525		0.660		66.6	%	1-335	09/01/2004	2225
LCS		M351	0.48640678		0.500		97.3	%	1-335	09/01/2004	2230
MS	226497-5	M351	0.28824763		0.500	-0.0203221	61.7	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.27190048	0.28824763	0.500	-0.0203221	58.4	%	75-125	09/01/2004	2252
							5.8	R	20		
CCV		M0388	0.94820014		1.00		94.8	%	90-110	09/01/2004	2314
CCB			0.00920164							09/01/2004	2319
CCV		M0388	0.94272789		1.00		94.3	%	90-110	09/01/2004	2351
CCB			0.00042903							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98867077		2.00		99.4	%	90-110	09/01/2004	1817
ICV		M0368	0.97424828		1.00		97.4	%	90-110	09/01/2004	1826
ICV		M0380	0.99220246		1.00		99.2	%	90-110	09/01/2004	1834
ICB			0.00111108							09/01/2004	1848
ICB			-0.0024245							09/01/2004	1901
ICV		M0393	0.47732488		0.500		95.5	%	90-110	09/01/2004	1904
CCV		M0388	0.98394870		1.00		98.4	%	90-110	09/01/2004	1909
CCB			-0.0001264							09/01/2004	1921
MB		3010	0.00004033							09/01/2004	1925
LCS		M351	0.48512614		0.500		97.0	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.52682835		0.500	0.00995386	103.4	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.52073926	0.52682835	0.500	0.00995386				09/01/2004	1953
CCV		M0388	0.99635645		1.00		99.6	%	90-110	09/01/2004	2005
CCB			0.00405871							09/01/2004	2017
MB		3010	-0.0061268							09/01/2004	2101
CCV		M0388	0.97594540		1.00		97.6	%	90-110	09/01/2004	2108
CCB			-0.0047803							09/01/2004	2120
LCS		M351	0.49827757		0.500		99.7	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.51425845		0.500	0.00209495	102.4	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.50010828	0.51425845	0.500	0.00209495	99.6	%	75-125	09/01/2004	2154
							2.8	R	20		
MB		3050	-0.0037513							09/01/2004	2202
CCV		M0388	0.98377689		1.00		98.4	%	90-110	09/01/2004	2209
CCB			0.00510951							09/01/2004	2215
LCS		M383D	2.21885439		2.31		96.1	%	66-134	09/01/2004	2225
LCS		M351	0.47416644		0.500		94.8	%	66-134	09/01/2004	2230
MS	226497-5	M351	0.50292208		0.500	0.01873007	96.8	%	75-125	09/01/2004	2246

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MSD	226497-5	M351	0.49445649	0.50292208	0.500	0.01873007	95.1	%	75-125	09/01/2004	2252
							1.7	R	20		
CCV		M0388	0.97950025		1.00		98.0	%	90-110	09/01/2004	2314
CCB			-0.0040196							09/01/2004	2319
CCV		M0388	0.97731880		1.00		97.7	%	90-110	09/01/2004	2351
CCB			-0.0001575							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97079657		2.00		98.5	%	90-110	09/15/2004	1234
ICV		M0368	1.00754518		1.00		100.8	%	90-110	09/15/2004	1243
CV		M0380	0.98448165		1.00		98.4	%	90-110	09/15/2004	1252
CB			-0.0016119							09/15/2004	1306
ICB			-0.0020016							09/15/2004	1318
ICV		M0393	0.48878199		0.500		97.8	%	90-110	09/15/2004	1322
CCV		M0388	1.00056037		1.00		100.1	%	90-110	09/15/2004	1327
CCB			0.00055290							09/15/2004	1333
MB		3050	-0.0013892							09/15/2004	1341
LCS		M383D	2.20421792		2.31		95.4	%	66-134	09/15/2004	1349
LCS		M351	0.46898684		0.500		93.8	%	66-134	09/15/2004	1354
MS	226668-1	M351	0.46227977		0.500	0.02985107	86.5	%	75-125	09/15/2004	1406
MSD	226668-1	M351	0.51094507	0.51094507	0.500	0.02985107	96.2	%	75-125	09/15/2004	1412
							0.0	R	20		
CCV		M0388	0.99034171		1.00		99.0	%	90-110	09/15/2004	1438
CCB			0.00049384							09/15/2004	1450
CCV		M0388	0.95516470		1.00		95.5	%	90-110	09/15/2004	1838
CCB			0.00044813							09/15/2004	1852
CCV		M0388	0.95537184		1.00		95.5	%	90-110	09/15/2004	1923
CCB			0.00002281							09/15/2004	1937
PDS	226668-1	M351D	1.71787254		2.00	0.02985107	84.4	%	75-125	09/15/2004	2000
PSD	226668-1	M351D	1.75002902	1.71787254	2.00	0.02985107	86.0	%	75-125	09/15/2004	2005
							1.9	R	20		
CCV		M0388	0.95280849		1.00		95.3	%	90-110	09/15/2004	2011
CCB			0.00055041							09/15/2004	2025
CCV		M0388	0.95813942		1.00		95.8	%	90-110	09/15/2004	2112
CCB			0.00224999							09/15/2004	2126
MB		3010	-0.0017265							09/15/2004	2129
LCS		M351	0.48595785		0.500		97.2	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.49063249		0.500	0.00214144	97.7	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.48690036	0.49063249	0.500	0.00214144	97.0	%	75-125	09/15/2004	2154
							0.8	R	20		
BLK			-0.0000202							09/15/2004	2207
CCV		M0388	0.95110033		1.00		95.1	%	90-110	09/15/2004	2210
CCB			-0.0004326							09/15/2004	2224

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00189423		2.00		100.1	%	90-110	09/01/2004	1817
ICV		M0369	0.96441360		1.00		96.4	%	90-110	09/01/2004	1831
ICB			-0.0005899							09/01/2004	1848
ICB			0.00003082							09/01/2004	1901
ICV		M0393	0.50053753		0.500		100.1	%	90-110	09/01/2004	1904
CCV		M0388	0.98774001		1.00		98.8	%	90-110	09/01/2004	1909
CCB			-0.0004407							09/01/2004	1921
MB		3010	0.00009734							09/01/2004	1925
LCS		M351	0.48848516		0.500		97.7	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.51389905		0.500	0.03712781	95.4	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.50410725	0.51389905	0.500	0.03712781				09/01/2004	1953
CCV		M0388	0.98652225		1.00		98.7	%	90-110	09/01/2004	2005
CCB			-0.0000810							09/01/2004	2017
MB		3010	-0.0006549							09/01/2004	2101
CCV		M0388	0.97462697		1.00		97.5	%	90-110	09/01/2004	2108
CCB			-0.0002286							09/01/2004	2120
CS		M351	0.50000922		0.500		100.0	%	80-120	09/01/2004	2123
S	226505-2	M351	0.53320291		0.500	0.02701402	101.2	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.50876516	0.53320291	0.500	0.02701402	96.4	%	75-125	09/01/2004	2154
							4.7	R	20		
MB		3050	-0.0005745							09/01/2004	2202
CCV		M0388	0.99833875		1.00		99.8	%	90-110	09/01/2004	2209
CCB			0.00061315							09/01/2004	2215
LCS		M383D	8.97797415		10.00		89.8	%	58-142	09/01/2004	2225
LCS		M351	0.48173344		0.500		96.3	%	58-142	09/01/2004	2230
MS	226497-5	M351	0.78508458		0.500	0.25447382	106.1	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.84603980	0.78508458	0.500	0.25447382	118.3	%	75-125	09/01/2004	2252
							7.5	R	20		
CCV		M0388	0.97912658		1.00		97.9	%	90-110	09/01/2004	2314
CCB			0.00049072							09/01/2004	2319
CCV		M0388	0.96484193		1.00		96.5	%	90-110	09/01/2004	2351
CCB			0.00010189							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00430526		2.00		100.2	%	90-110	09/01/2004	1817
ICV		M0368	0.98504029		1.00		98.5	%	90-110	09/01/2004	1826
ICV		M0380	0.98606235		1.00		98.6	%	90-110	09/01/2004	1834
ICB			0.00040367							09/01/2004	1848
ICB			0.00022801							09/01/2004	1901
ICV		M0393	0.49220965		0.500		98.4	%	90-110	09/01/2004	1904
CCV		M0388	0.97578546		1.00		97.6	%	90-110	09/01/2004	1909
CCB			0.00055768							09/01/2004	1921
MB		3010	0.00022473							09/01/2004	1925
LCS		M351	0.48200721		0.500		96.4	%	80-120	09/01/2004	1932
S	226469-4	M351	0.48867771		0.500	0.00014572	97.7	%	75-125	09/01/2004	1948
DS	226469-4	M351	0.47928026	0.48867771	0.500	0.00014572				09/01/2004	1953
CCV		M0388	0.98246514		1.00		98.2	%	90-110	09/01/2004	2005

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00045437							09/01/2004	2017
MB		3010	0.00022893							09/01/2004	2101
CCV		M0388	0.96691503		1.00		96.7	%	90-110	09/01/2004	2108
CCB			0.00043815							09/01/2004	2120
LCS		M351	0.49433798		0.500		98.9	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50211118		0.500	0.00013492	100.4	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.48331764	0.50211118	0.500	0.00013492	96.6	%	75-125	09/01/2004	2154
							3.8	R	20		
MB		3050	0.00065603							09/01/2004	2202
CCV		M0388	0.98929302		1.00		98.9	%	90-110	09/01/2004	2209
CCB			0.00068558							09/01/2004	2215
LCS		M383D	1.14923840		1.27		90.5	%	73-127	09/01/2004	2225
LCS		M351	0.46620416		0.500		93.2	%	73-127	09/01/2004	2230
MS	226497-5	M351	0.46562655		0.500	0.00243249	92.6	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.47065937	0.46562655	0.500	0.00243249	93.6	%	75-125	09/01/2004	2252
							1.1	R	20		
CV		M0388	0.97312711		1.00		97.3	%	90-110	09/01/2004	2314
CB			0.00048976							09/01/2004	2319
CCV		M0388	0.95152435		1.00		95.2	%	90-110	09/01/2004	2351
CCB			0.00080110							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97660187		2.00		98.8	%	90-110	09/15/2004	1234
ICV		M0368	1.02714323		1.00		102.7	%	90-110	09/15/2004	1243
ICV		M0380	1.00949583		1.00		100.9	%	90-110	09/15/2004	1252
ICB			-0.0001410							09/15/2004	1306
ICB			-0.0001725							09/15/2004	1318
ICV		M0393	0.50297833		0.500		100.6	%	90-110	09/15/2004	1322
CCV		M0388	1.02015370		1.00		102.0	%	90-110	09/15/2004	1327
CCB			-0.0001583							09/15/2004	1333
MB		3050	-0.0002150							09/15/2004	1341
LCS		M383D	1.18535118		1.27		93.3	%	73-127	09/15/2004	1349
LCS		M351	0.47429736		0.500		94.9	%	73-127	09/15/2004	1354
MS	226668-1	M351	0.44408337		0.500	0.00346625	88.1	%	75-125	09/15/2004	1406
MSD	226668-1	M351	0.44131639	0.44131639	0.500	0.00346625	87.6	%	75-125	09/15/2004	1412
							0.0	R	20		
CCV		M0388	1.01092025		1.00		101.1	%	90-110	09/15/2004	1438
CCB			-0.0001316							09/15/2004	1450
CCV		M0388	0.96688572		1.00		96.7	%	90-110	09/15/2004	1838
CCB			-0.0000669							09/15/2004	1852
CCV		M0388	0.96250915		1.00		96.3	%	90-110	09/15/2004	1923
CCB			-0.0001407							09/15/2004	1937
PDS	226668-1	M351D	1.65880255		2.00	0.00346625	82.8	%	75-125	09/15/2004	2000
PSD	226668-1	M351D	1.66946505	1.65880255	2.00	0.00346625	83.3	%	75-125	09/15/2004	2005
							0.6	R	20		
CV		M0388	0.95868500		1.00		95.9	%	90-110	09/15/2004	2011
CCB			-0.0000301							09/15/2004	2025

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.96188024		1.00		96.2	%	90-110	09/15/2004	2112
CCB			-0.0001954							09/15/2004	2126
MB		3010	-0.0004103							09/15/2004	2129
LCS		M351	0.49032285		0.500		98.1	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.48466880		0.500	0.00115113	96.7	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.48000821	0.48466880	0.500	0.00115113	95.8	%	75-125	09/15/2004	2154
							1.0	R	20		
BLK			0.00006538							09/15/2004	2207
CCV		M0388	0.95790419		1.00		95.8	%	90-110	09/15/2004	2210
CCB			-0.0001724							09/15/2004	2224

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00536149		2.00		100.3	%	90-110	09/01/2004	1817
ICV		M0368	0.98166299		1.00		98.2	%	90-110	09/01/2004	1826
ICV		M0380	0.98213442		1.00		98.2	%	90-110	09/01/2004	1834
ICB			0.00019419							09/01/2004	1848
ICB			-0.0001854							09/01/2004	1901
ICV		M0393	0.48329864		0.500		96.7	%	90-110	09/01/2004	1904
CCV		M0388	0.97688112		1.00		97.7	%	90-110	09/01/2004	1909
CCB			-0.0004226							09/01/2004	1921
MB		3010	-0.0005213							09/01/2004	1925
LCS		M351	0.48145090		0.500		96.3	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.47761238		0.500	0.00226100	95.1	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.47173845	0.47761238	0.500	0.00226100				09/01/2004	1953
CCV		M0388	0.98376461		1.00		98.4	%	90-110	09/01/2004	2005
CCB			0.00005357							09/01/2004	2017
MB		3010	-0.0008070							09/01/2004	2101
CCV		M0388	0.96684572		1.00		96.7	%	90-110	09/01/2004	2108
CCB			-0.0008120							09/01/2004	2120
LCS		M351	0.49584900		0.500		99.2	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50852006		0.500	0.00065184	101.6	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.49011735	0.50852006	0.500	0.00065184	97.9	%	75-125	09/01/2004	2154
							3.7	R	20		
MB		3050	0.00027687							09/01/2004	2202
CCV		M0388	0.99198635		1.00		99.2	%	90-110	09/01/2004	2209
CCB			0.00012236							09/01/2004	2215
LCS		M383D	1.85528995		2.07		89.6	%	72-127	09/01/2004	2225
LCS		M351	0.47896849		0.500		95.8	%	72-127	09/01/2004	2230
MS	226497-5	M351	0.54545385		0.500	0.06213314	96.7	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.56358897	0.54545385	0.500	0.06213314	100.3	%	75-125	09/01/2004	2252
							3.3	R	20		
CCV		M0388	0.98303062		1.00		98.3	%	90-110	09/01/2004	2314
CCB			-0.0007912							09/01/2004	2319
CCV		M0388	0.96789767		1.00		96.8	%	90-110	09/01/2004	2351
CCB			-0.0007019							09/02/2004	0003

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CO
Parameter.....: Cobalt (Co)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.02205592		2.00		101.1	%	90-110	09/01/2004	1817
ICV		M0368	0.99802964		1.00		99.8	%	90-110	09/01/2004	1826
ICV		M0380	1.04739309		1.00		104.7	%	90-110	09/01/2004	1834
ICB			-0.0009419							09/01/2004	1848
ICB			-0.0009627							09/01/2004	1901
ICV		M0393	0.49294346		0.500		98.6	%	90-110	09/01/2004	1904
CCV		M0388	0.99225998		1.00		99.2	%	90-110	09/01/2004	1909
CCB			-0.0010506							09/01/2004	1921
MB		3010	-0.0011588							09/01/2004	1925
LCS		M351	0.49126693		0.500		98.3	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.47432752		0.500	-0.0000904	94.9	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.47187642	0.47432752	0.500	-0.0000904				09/01/2004	1953
CCV		M0388	0.98803321		1.00		98.8	%	90-110	09/01/2004	2005
CCB			-0.0012896							09/01/2004	2017
MB		3010	-0.0003533							09/01/2004	2101
CCV		M0388	0.98359640		1.00		98.4	%	90-110	09/01/2004	2108
CCB			-0.0006813							09/01/2004	2120
LCS		M351	0.50562760		0.500		101.1	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.48548915		0.500	-0.0000803	97.1	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.48112874	0.48548915	0.500	-0.0000803	96.2	%	75-125	09/01/2004	2154
							0.9	R	20		
MB		3050	-0.0002141							09/01/2004	2202
CCV		M0388	0.99309347		1.00		99.3	%	90-110	09/01/2004	2209
CCB			0.00010280							09/01/2004	2215
LCS		M383D	1.96642903		2.10		93.6	%	72-128	09/01/2004	2225
LCS		M351	0.48015522		0.500		96.0	%	72-128	09/01/2004	2230
MS	226497-5	M351	0.49336904		0.500	0.02449946	93.8	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.49294808	0.49336904	0.500	0.02449946	93.7	%	75-125	09/01/2004	2252
							0.1	R	20		
CCV		M0388	0.97532723		1.00		97.5	%	90-110	09/01/2004	2314
CCB			-0.0006502							09/01/2004	2319
CCV		M0388	0.96657215		1.00		96.7	%	90-110	09/01/2004	2351
CCB			-0.0010511							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CU
Parameter.....: Copper (Cu)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00185126		2.00		100.1	%	90-110	09/01/2004	1817
ICV		M0368	0.98606442		1.00		98.6	%	90-110	09/01/2004	1826
ICV		M0380	0.98702712		1.00		98.7	%	90-110	09/01/2004	1834
ICB			-0.0004831							09/01/2004	1848
ICB			0.00134557							09/01/2004	1901
ICV		M0393	0.49925465		0.500		99.9	%	90-110	09/01/2004	1904
CCV		M0388	0.98973788		1.00		99.0	%	90-110	09/01/2004	1909
CCB			-0.0000110							09/01/2004	1921
MB		3010	-0.0008582							09/01/2004	1925
LCS		M351	0.48242688		0.500		96.5	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.57675275		0.500	0.03760237	107.8	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.56799149	0.57675275	0.500	0.03760237				09/01/2004	1953

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CU
Parameter.....: Copper (Cu)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.99215213		1.00		99.2	%	90-110	09/01/2004	2005
CCB			-0.0016856							09/01/2004	2017
MB		3010	-0.0010720							09/01/2004	2101
CCV		M0388	0.97690900		1.00		97.7	%	90-110	09/01/2004	2108
CCB			0.00177950							09/01/2004	2120
LCS		M351	0.50229488		0.500		100.5	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.51064337		0.500	-0.0017978	102.5	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.48885257	0.51064337	0.500	-0.0017978	98.1	%	75-125	09/01/2004	2154
							4.4	R	20		
MB		3050	0.00187124							09/01/2004	2202
CCV		M0388	1.00991821		1.00		101.0	%	90-110	09/01/2004	2209
CCB			-0.0007764							09/01/2004	2215
LCS		M383D	0.77120217		0.85		90.7	%	67-133	09/01/2004	2225
LCS		M351	0.47067970		0.500		94.1	%	67-133	09/01/2004	2230
MS	226497-5	M351	0.53743483		0.500	0.04259979	99.0	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.53855254	0.53743483	0.500	0.04259979	99.2	%	75-125	09/01/2004	2252
							0.2	R	20		
CCV		M0388	0.98945218		1.00		98.9	%	90-110	09/01/2004	2314
CCB			0.00089259							09/01/2004	2319
CCV		M0388	0.97405184		1.00		97.4	%	90-110	09/01/2004	2351
CCB			0.00043592							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CU
Parameter.....: Copper (Cu)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97887365		2.00		98.9	%	90-110	09/15/2004	1234
ICV		M0368	1.03954904		1.00		104.0	%	90-110	09/15/2004	1243
ICV		M0380	1.03068060		1.00		103.1	%	90-110	09/15/2004	1252
ICB			0.00003534							09/15/2004	1306
ICB			-0.0012246							09/15/2004	1318
ICV		M0393	0.51592334		0.500		103.2	%	90-110	09/15/2004	1322
CCV		M0388	1.04304094		1.00		104.3	%	90-110	09/15/2004	1327
CCB			-0.0006050							09/15/2004	1333
MB		3050	-0.0021798							09/15/2004	1341
LCS		M383D	0.79993903		0.85		94.1	%	67-133	09/15/2004	1349
LCS		M351	0.48223278		0.500		96.4	%	67-133	09/15/2004	1354
MS	226668-1	M351	0.56822562		0.500	0.10423449	92.8	%	75-125	09/15/2004	1406
MSD	226668-1	M351	0.70018950	0.70018950	0.500	0.10423449	119.2	%	75-125	09/15/2004	1412
							0.0	R	20		
CCV		M0388	1.03779236		1.00		103.8	%	90-110	09/15/2004	1438
CCB			-0.0022620							09/15/2004	1450
CCV		M0388	0.99597567		1.00		99.6	%	90-110	09/15/2004	1838
CCB			-0.0015625							09/15/2004	1852
CCV		M0388	0.98574254		1.00		98.6	%	90-110	09/15/2004	1923
CCB			-0.0012554							09/15/2004	1937
PDS	226668-1	M351D	1.83653131		2.00	0.10423449	86.6	%	75-125	09/15/2004	2000
SD	226668-1	M351D	1.84433293	1.83653131	2.00	0.10423449	87.0	%	75-125	09/15/2004	2005
							0.4	R	20		
CCV		M0388	0.98663129		1.00		98.7	%	90-110	09/15/2004	2011

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CU
Parameter.....: Copper (Cu)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0006868							09/15/2004	2025
CCV		M0388	0.98803308		1.00		98.8	%	90-110	09/15/2004	2112
CCB			-0.0010330							09/15/2004	2126
MB		3010	0.00121468							09/15/2004	2129
LCS		M351	0.50240367		0.500		100.5	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.56569299		0.500	0.04681078	103.8	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.56132148	0.56569299	0.500	0.04681078	102.9	%	75-125	09/15/2004	2154
							0.8	R	20		
BLK			-0.0048783							09/15/2004	2207
CCV		M0388	0.98597629		1.00		98.6	%	90-110	09/15/2004	2210
CCB			-0.0013907							09/15/2004	2224

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99347355		2.00		99.7	%	90-110	09/01/2004	1817
ICV		M0368	1.00539054		1.00		100.5	%	90-110	09/01/2004	1826
ICV		M0380	1.01901171		1.00		101.9	%	90-110	09/01/2004	1834
ICB			0.00128355							09/01/2004	1848
ICB			-0.0015877							09/01/2004	1901
ICV		M0393	0.50157799		0.500		100.3	%	90-110	09/01/2004	1904
CCV		M0388	0.98859822		1.00		98.9	%	90-110	09/01/2004	1909
CCB			-0.0002704							09/01/2004	1921
MB		3010	0.00212312							09/01/2004	1925
LCS		M351	0.49631357		0.500		99.3	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.48713432		0.500	0.01368737	94.7	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.48322670	0.48713432	0.500	0.01368737				09/01/2004	1953
CCV		M0388	0.98049036		1.00		98.0	%	90-110	09/01/2004	2005
CCB			0.00002540							09/01/2004	2017
MB		3010	0.00057279							09/01/2004	2101
CCV		M0388	0.97958514		1.00		98.0	%	90-110	09/01/2004	2108
CCB			-0.0013967							09/01/2004	2120
LCS		M351	0.50674411		0.500		101.3	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.49815911		0.500	-0.0014440	99.9	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.49727635	0.49815911	0.500	-0.0014440	99.7	%	75-125	09/01/2004	2154
							0.2	R	20		
MB		3050	-0.0018893							09/01/2004	2202
CCV		M0388	0.99038060		1.00		99.0	%	90-110	09/01/2004	2209
CCB			0.00138546							09/01/2004	2215
LCS		M383D	1.87765658		2.04		92.0	%	71-129	09/01/2004	2225
LCS		M351	0.48076688		0.500		96.2	%	71-129	09/01/2004	2230
MS	226497-5	M351	0.52330336		0.500	0.04836864	95.0	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.52103066	0.52330336	0.500	0.04836864	94.5	%	75-125	09/01/2004	2252
							0.4	R	20		
CCV		M0388	0.97205878		1.00		97.2	%	90-110	09/01/2004	2314
CCB			0.00046629							09/01/2004	2319
CV		M0388	0.95790663		1.00		95.8	%	90-110	09/01/2004	2351
CCB			-0.0001525							09/02/2004	0003

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: MN
Parameter.....: Manganese (Mn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00745798		2.00		100.4	%	90-110	09/01/2004	1817
ICV		M0368	0.98527197		1.00		98.5	%	90-110	09/01/2004	1826
ICV		M0380	0.96544724		1.00		96.5	%	90-110	09/01/2004	1834
ICB			-0.0001172							09/01/2004	1848
ICB			-0.0002208							09/01/2004	1901
ICV		M0393	0.49032721		0.500		98.1	%	90-110	09/01/2004	1904
CCV		M0388	0.98379816		1.00		98.4	%	90-110	09/01/2004	1909
CCB			-0.0003607							09/01/2004	1921
MB		3010	-0.0003506							09/01/2004	1925
LCS		M351	0.48655688		0.500		97.3	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.66439521		0.500	0.19178634	94.5	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.65192343	0.66439521	0.500	0.19178634				09/01/2004	1953
CCV		M0388	0.98832566		1.00		98.8	%	90-110	09/01/2004	2005
CCB			-0.0002769							09/01/2004	2017
MB		3010	-0.0003816							09/01/2004	2101
CCV		M0388	0.97074124		1.00		97.1	%	90-110	09/01/2004	2108
CB			-0.0003700							09/01/2004	2120
LCS		M351	0.49956779		0.500		99.9	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50322423		0.500	0.00036420	100.6	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.48385482	0.50322423	0.500	0.00036420	96.7	%	75-125	09/01/2004	2154
							3.9	R	20		
MB		3050	-0.0003680							09/01/2004	2202
CCV		M0388	0.99569707		1.00		99.6	%	90-110	09/01/2004	2209
CCB			-0.0002784							09/01/2004	2215
LCS		M383D	5.29835047		5.68		93.3	%	75-125	09/01/2004	2225
LCS		M351	0.49706806		0.500		99.4	%	75-125	09/01/2004	2230
MS	226497-5	M351	1.34686691		0.500	0.87392814	94.6	%	75-125	09/01/2004	2246
MSD	226497-5	M351	1.18739295	1.34686691	0.500	0.87392814	62.7	%	75-125	09/01/2004	2252
							12.6	R	20		
CCV		M0388	0.98021885		1.00		98.0	%	90-110	09/01/2004	2314
CCB			-0.0002140							09/01/2004	2319
CCV		M0388	0.96858371		1.00		96.9	%	90-110	09/01/2004	2351
CCB			0.00057039							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97875 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: MN
Parameter.....: Manganese (Mn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0386	10.0909		10.0		100.9	%	90-110	09/03/2004	1345
ICV		M0368	1.0695		1.00		107.0	%	90-110	09/03/2004	1354
ICV		M0380	1.0096		1.00		101.0	%	90-110	09/03/2004	1418
ICB			0.0039							09/03/2004	1422
CCV		M0389	5.0802		5.00		101.6	%	90-110	09/03/2004	1427
CCB			0.0174							09/03/2004	1435
MB		3050	0.0309							09/03/2004	1503
LCS		M351	0.5265		0.500		105.3	%	75-125	09/03/2004	1507
PDS	226343-1	M351D	2.2112		2.00	0.0951	105.8	%	75-125	09/03/2004	1516
SD	226343-1	M351D	2.2022	2.2112	2.00	0.0951	105.4	%	75-125	09/03/2004	1519
							0.4	R	20		
MB		3010	0.0040							09/03/2004	1547

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97875 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: MN
Parameter.....: Manganese (Mn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
PDS	226397-1	M351D	2.2318		2.00	0.0130	110.9	%	75-125	09/03/2004	1618
PSD	226397-1	M351D	2.2095	2.2318	2.00	0.0130	109.8	%	75-125	09/03/2004	1619
							1.0	R	20		
CCV		M0389	4.9322		5.00		98.6	%	90-110	09/03/2004	1624
CCB			0.0089							09/03/2004	1630
MB		3050	0.0044							09/03/2004	1642
LCS		M351	0.5645		0.500		112.9	%	80-120	09/03/2004	1644
LCS		M383D	5.8559		5.68		103.1	%	80-120	09/03/2004	1650
MB		3050	0.0045							09/03/2004	1714
LCS		M383D	5.8419		5.68		102.9	%	80-120	09/03/2004	1718
LCS		M351	0.5555		0.500		111.1	%	80-120	09/03/2004	1722
CCV		M0389	5.2986		5.00		106.0	%	90-110	09/03/2004	1757
CCB			-0.0012							09/03/2004	1802

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: MN
Parameter.....: Manganese (Mn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98745811		2.00		99.4	%	90-110	09/15/2004	1234
ICV		M0368	1.02763647		1.00		102.8	%	90-110	09/15/2004	1243
ICV		M0380	0.99661828		1.00		99.7	%	90-110	09/15/2004	1252
ICB			-0.0000351							09/15/2004	1306
ICB			-0.0008805							09/15/2004	1318
ICV		M0393	0.50408651		0.500		100.8	%	90-110	09/15/2004	1322
CCV		M0388	1.03645723		1.00		103.6	%	90-110	09/15/2004	1327
CCB			-0.0007694							09/15/2004	1333
MB		3050	-0.0008949							09/15/2004	1341
LCS		M383D	5.48413023		5.68		96.6	%	75-125	09/15/2004	1349
LCS		M351	0.49071881		0.500		98.1	%	75-125	09/15/2004	1354
CCV		M0388	1.03426434		1.00		103.4	%	90-110	09/15/2004	1438
CCB			0.00033693							09/15/2004	1450
CCV		M0388	0.99180171		1.00		99.2	%	90-110	09/15/2004	1838
CCB			-0.0000937							09/15/2004	1852
CCV		M0388	0.98890919		1.00		98.9	%	90-110	09/15/2004	1923
CCB			0.00054818							09/15/2004	1937
PDS	226668-1	M351D	3.69868479		2.00	2.14290173	77.8	%	75-125	09/15/2004	2000
PSD	226668-1	M351D	3.71612541	3.69868479	2.00	2.14290173	78.7	%	75-125	09/15/2004	2005
							0.5	R	20		
CCV		M0388	0.98556668		1.00		98.6	%	90-110	09/15/2004	2011
CCB			0.00055327							09/15/2004	2025
CCV		M0388	0.98536896		1.00		98.5	%	90-110	09/15/2004	2112
CCB			-0.0000119							09/15/2004	2126
MB		3010	-0.0004384							09/15/2004	2129
LCS		M351	0.50384063		0.500		100.8	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.53028095		0.500	0.04378994	97.3	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.52614396	0.53028095	0.500	0.04378994	96.5	%	75-125	09/15/2004	2154
							0.8	R	20		
K			0.00390394							09/15/2004	2207
CV		M0388	0.98272460		1.00		98.3	%	90-110	09/15/2004	2210
CCB			0.00033805							09/15/2004	2224

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Narcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: NI
Parameter.....: Nickel (Ni)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00370439		2.00		100.2	%	90-110	09/01/2004	1817
ICV		M0368	0.98820365		1.00		98.8	%	90-110	09/01/2004	1826
ICV		M0380	0.98829906		1.00		98.8	%	90-110	09/01/2004	1834
ICB			-0.0008036							09/01/2004	1848
ICB			-0.0005156							09/01/2004	1901
ICV		M0393	0.48889530		0.500		97.8	%	90-110	09/01/2004	1904
CCV		M0388	0.98587711		1.00		98.6	%	90-110	09/01/2004	1909
CCB			-0.0008322							09/01/2004	1921
MB		3010	-0.0021158							09/01/2004	1925
LCS		M351	0.48745064		0.500		97.5	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.49970064		0.500	0.01671589	96.6	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.49536920	0.49970064	0.500	0.01671589				09/01/2004	1953
CCV		M0388	0.99415282		1.00		99.4	%	90-110	09/01/2004	2005
CCB			0.00000569							09/01/2004	2017
MB		3010	-0.0016275							09/01/2004	2101
CCV		M0388	0.97115662		1.00		97.1	%	90-110	09/01/2004	2108
CCB			0.00001788							09/01/2004	2120
LCS		M351	0.50044835		0.500		100.1	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.49415007		0.500	-0.0017096	99.2	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.47430211	0.49415007	0.500	-0.0017096	95.2	%	75-125	09/01/2004	2154
							4.1	R	20		
MB		3050	-0.0012552							09/01/2004	2202
CCV		M0388	1.00332469		1.00		100.3	%	90-110	09/01/2004	2209
CCB			-0.0002155							09/01/2004	2215
LCS		M383D	1.79878011		1.89		95.2	%	72-128	09/01/2004	2225
LCS		M351	0.48145942		0.500		96.3	%	72-128	09/01/2004	2230
MS	226497-5	M351	0.52792404		0.500	0.05488076	94.6	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.53991272	0.52792404	0.500	0.05488076	97.0	%	75-125	09/01/2004	2252
							2.2	R	20		
CCV		M0388	0.98699029		1.00		98.7	%	90-110	09/01/2004	2314
CCB			-0.0000554							09/01/2004	2319
CCV		M0388	0.97550161		1.00		97.6	%	90-110	09/01/2004	2351
CCB			-0.0006995							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98421838		2.00		99.2	%	90-110	09/01/2004	1817
ICV		M0368	1.00433611		1.00		100.4	%	90-110	09/01/2004	1826
ICV		M0380	0.99515961		1.00		99.5	%	90-110	09/01/2004	1834
ICB			-0.0235338							09/01/2004	1848
ICB			0.00567781							09/01/2004	1901
ICV		M0393	0.49277224		0.500		98.6	%	90-110	09/01/2004	1904
CCV		M0388	0.96364099		1.00		96.4	%	90-110	09/01/2004	1909
CCB			-0.0059417							09/01/2004	1921
MB		3010	0.00587583							09/01/2004	1925
LCS		M351	0.48510126		0.500		97.0	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.48046046		0.500	-0.0059208	97.3	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.51896275	0.48046046	0.500	-0.0059208				09/01/2004	1953

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0388	0.97690701		1.00		97.7	%	90-110	09/01/2004	2005
CCB			-0.0041936							09/01/2004	2017
MB		3010	-0.0063214							09/01/2004	2101
CCV		M0388	0.97019724		1.00		97.0	%	90-110	09/01/2004	2108
CCB			0.00625288							09/01/2004	2120
LCS		M351	0.49332203		0.500		98.7	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50071621		0.500	0.00587664	99.0	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.49514849	0.50071621	0.500	0.00587664	97.9	%	75-125	09/01/2004	2154
							1.1	R	20		
MB		3050.	-0.0014041							09/01/2004	2206
CCV		M0388	0.98392776		1.00		98.4	%	90-110	09/01/2004	2209
CCB			-0.0094485							09/01/2004	2215
LCS		M383D	0.88985518		0.996		89.3	%	59-141	09/01/2004	2225
LCS		M351	0.46192143		0.500		92.4	%	59-141	09/01/2004	2230
MS	226497-5	M351	0.44549395		0.500	-0.0159985	92.3	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.44248183	0.44549395	0.500	-0.0159985	91.7	%	75-125	09/01/2004	2252
							0.7	R	20		
CCV		M0388	0.95574714		1.00		95.6	%	90-110	09/01/2004	2314
CCB			-0.0093070							09/01/2004	2319
CCV		M0388	0.97627619		1.00		97.6	%	90-110	09/01/2004	2351
CCB			-0.0042148							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.96442753		2.00		98.2	%	90-110	09/15/2004	1234
ICV		M0368	1.02709480		1.00		102.7	%	90-110	09/15/2004	1243
ICV		M0380	0.98772120		1.00		98.8	%	90-110	09/15/2004	1252
ICB			-0.0026363							09/15/2004	1306
ICB			-0.0029891							09/15/2004	1318
ICV		M0393	0.49017500		0.500		98.0	%	90-110	09/15/2004	1322
CCV		M0388	0.99383056		1.00		99.4	%	90-110	09/15/2004	1327
CCB			-0.0022926							09/15/2004	1333
MB		3050	-0.0041445							09/15/2004	1341
LCS		M383D	0.88535675		0.996		88.9	%	59-141	09/15/2004	1349
LCS		M351	0.45341468		0.500		90.7	%	59-141	09/15/2004	1354
MS	226668-1	M351	0.38013265		0.500	-0.0273097	81.5	%	75-125	09/15/2004	1406
MSD	226668-1	M351	0.38140350	0.38140350	0.500	-0.0273097	81.7	%	75-125	09/15/2004	1412
							0.0	R	20		
CCV		M0388	0.97355784		1.00		97.4	%	90-110	09/15/2004	1438
CCB			-0.0003085							09/15/2004	1450
CCV		M0388	0.94497875		1.00		94.5	%	90-110	09/15/2004	1838
CCB			-0.0053184							09/15/2004	1852
CCV		M0388	0.93983326		1.00		94.0	%	90-110	09/15/2004	1923
CCB			-0.0085193							09/15/2004	1937
PDS	226668-1	M351D	1.62566480		2.00	-0.0273097	82.6	%	75-125	09/15/2004	2000
SD	226668-1	M351D	1.66192020	1.62566480	2.00	-0.0273097	84.5	%	75-125	09/15/2004	2005
							2.2	R	20		
CCV		M0388	0.92764374		1.00		92.8	%	90-110	09/15/2004	2011

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00069095							09/15/2004	2025
CCV		M0388	0.93600117		1.00		93.6	%	90-110	09/15/2004	2112
CCB			-0.0025475							09/15/2004	2126
MB		3010	-0.0010514							09/15/2004	2129
LCS		M351	0.46654403		0.500		93.3	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.44800098		0.500	-0.0030943	90.2	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.45214027	0.44800098	0.500	-0.0030943	91.0	%	75-125	09/15/2004	2154
							0.9	R	20		
BLK			-0.0074487							09/15/2004	2207
CCV		M0388	0.92747567		1.00		92.7	%	90-110	09/15/2004	2210
CCB			-0.0070451							09/15/2004	2224

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.00209495		1.0		100.2	%	90-110	09/01/2004	1817
ICV		M0369	0.96751654		1.00		96.8	%	90-110	09/01/2004	1831
ICB			0.00163408							09/01/2004	1848
ICB			0.00354697							09/01/2004	1901
ICV		M0393	0.49528472		0.500		99.1	%	90-110	09/01/2004	1904
CCV		M0388	0.48646863		0.50		97.3	%	90-110	09/01/2004	1909
CCB			0.00180388							09/01/2004	1921
MB		3010	-0.0007558							09/01/2004	1925
LCS		M351	0.23227496		0.25		92.9	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.24744388		0.25	-0.0011381	99.4	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.24938848	0.24744388	0.25	-0.0011381				09/01/2004	1953
CCV		M0388	0.48846327		0.50		97.7	%	90-110	09/01/2004	2005
CCB			0.00087753							09/01/2004	2017
MB		3010	0.00071350							09/01/2004	2101
CCV		M0388	0.47979181		0.50		96.0	%	90-110	09/01/2004	2108
CCB			-0.0006402							09/01/2004	2120
LCS		M351	0.24813099		0.25		99.3	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.25497491		0.25	-0.0004229	102.2	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.24234028	0.25497491	0.25	-0.0004229	97.1	%	75-125	09/01/2004	2154
							5.1	R	20		
MB		3050	-0.0020370							09/01/2004	2202
CCV		M0388	0.49441370		0.50		98.9	%	90-110	09/01/2004	2209
CCB			0.00050505							09/01/2004	2215
LCS		M383D	1.01623997		0.953		106.6	%	11-189	09/01/2004	2225
LCS		M351	0.23425797		0.25		93.7	%	11-189	09/01/2004	2230
MS	226497-5	M351	0.23540032		0.25	-0.0034997	95.6	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.23741542	0.23540032	0.25	-0.0034997	96.4	%	75-125	09/01/2004	2252
							0.9	R	20		
CCV		M0388	0.49031194		0.50		98.1	%	90-110	09/01/2004	2314
CCB			-0.0016599							09/01/2004	2319
CCV		M0388	0.48148839		0.50		96.3	%	90-110	09/01/2004	2351
CB			0.00089378							09/02/2004	0003

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: TL
Parameter.....: Thallium (Tl)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99910248		2.00		100.0	%	90-110	09/01/2004	1817
ICV		M0368	0.99756280		1.00		99.8	%	90-110	09/01/2004	1826
ICV		M0380	1.01102515		1.00		101.1	%	90-110	09/01/2004	1834
ICB			0.00565996							09/01/2004	1848
ICB			-0.0053412							09/01/2004	1901
ICV		M0393	0.49206789		0.500		98.4	%	90-110	09/01/2004	1904
CCV		M0388	0.99296157		1.00		99.3	%	90-110	09/01/2004	1909
CCB			-0.0014875							09/01/2004	1921
MB		3010	-0.0089474							09/01/2004	1925
LCS		M351	0.48750757		0.500		97.5	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.49032524		0.500	0.01409182	95.2	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.50048481	0.49032524	0.500	0.01409182				09/01/2004	1953
CCV		M0388	0.99038869		1.00		99.0	%	90-110	09/01/2004	2005
CCB			0.00166258							09/01/2004	2017
MB		3010	0.00133544							09/01/2004	2101
CCV		M0388	0.98092188		1.00		98.1	%	90-110	09/01/2004	2108
CCB			-0.0021117							09/01/2004	2120
LCS		M351	0.49190557		0.500		98.4	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50400623		0.500	0.00855313	99.1	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.51295669	0.50400623	0.500	0.00855313	100.9	%	75-125	09/01/2004	2154
							1.8	R	20		
MB		3050	0.00338936							09/01/2004	2202
CCV		M0388	1.00053059		1.00		100.1	%	90-110	09/01/2004	2209
CCB			-0.0087472							09/01/2004	2215
LCS		M383D	1.82926559		1.85		98.9	%	56-144	09/01/2004	2225
LCS		M351	0.47995267		0.500		96.0	%	56-144	09/01/2004	2230
MS	226497-5	M351	0.48134516		0.500	0.00474403	95.3	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.49120365	0.48134516	0.500	0.00474403	97.3	%	75-125	09/01/2004	2252
							2.0	R	20		
CCV		M0388	0.97697632		1.00		97.7	%	90-110	09/01/2004	2314
CCB			0.00111557							09/01/2004	2319
CCV		M0388	0.95652100		1.00		95.7	%	90-110	09/01/2004	2351
CCB			-0.0043706							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SN
Parameter.....: Tin (Sn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M0371	1.98270902		2.00		99.1	%	90-110	09/01/2004	1820
ICV		M0374	0.99307587		1.00		99.3	%	90-110	09/01/2004	1840
ICB			0.00105202							09/01/2004	1848
ICB			0.00188569							09/01/2004	1901
CCV		M0388	1.98344359		2.00		99.2	%	90-110	09/01/2004	1909
CCB			-0.0012976							09/01/2004	1921
MB		3010	0.00056830							09/01/2004	1925
LCS		M351	1.01025624		1.00		101.0	%	80-120	09/01/2004	1932
MS	226469-4	M351	1.00017917		1.00	-0.0168322	101.7	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.99813841	1.00017917	1.00	-0.0168322				09/01/2004	1953
CCV		M0388	1.98351852		2.00		99.2	%	90-110	09/01/2004	2005
CCB			-0.0036014							09/01/2004	2017

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SN
Parameter.....: Tin (Sn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MB		3010	-0.0050000							09/01/2004	2101
CCV		M0388	1.97747752		2.00		98.9	%	90-110	09/01/2004	2108
CCB			-0.0025987							09/01/2004	2120
LCS		M351	1.09008856		1.00		109.0	%	80-120	09/01/2004	2123
MS	226505-2	M351	1.03560870		1.00	-0.0164402	105.2	%	75-125	09/01/2004	2149
MSD	226505-2	M351	1.03432075	1.03560870	1.00	-0.0164402	105.1	%	75-125	09/01/2004	2154
							0.1	R	20		
MB		3050	0.00058693							09/01/2004	2202
CCV		M0388	2.00469870		2.00		100.2	%	90-110	09/01/2004	2209
CCB			0.00307347							09/01/2004	2215
LCS		M383D	1.42800331		1.41		101.3	%	11-189	09/01/2004	2225
LCS		M351	1.01478424		1.00		101.5	%	11-189	09/01/2004	2230
MS	226497-5	M351	0.95398695		1.00	-0.0045591	95.9	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.95303720	0.95398695	1.00	-0.0045591	95.8	%	75-125	09/01/2004	2252
							0.1	R	20		
CCV		M0388	1.96388727		2.00		98.2	%	90-110	09/01/2004	2314
CB			0.00061249							09/01/2004	2319
CV		M0388	1.94053385		2.00		97.0	%	90-110	09/01/2004	2351
CCB			-0.0021973							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: V
Parameter.....: Vanadium (V)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99783460		2.00		99.9	%	90-110	09/01/2004	1817
ICV		M0368	0.97266946		1.00		97.3	%	90-110	09/01/2004	1826
ICV		M0380	0.97560511		1.00		97.6	%	90-110	09/01/2004	1834
ICB			-0.0004229							09/01/2004	1848
ICB			-0.0018565							09/01/2004	1901
ICV		M0393	0.48186075		0.500		96.4	%	90-110	09/01/2004	1904
CCV		M0388	0.95971463		1.00		96.0	%	90-110	09/01/2004	1909
CCB			-0.0023426							09/01/2004	1921
MB		3010	-0.0010788							09/01/2004	1925
LCS		M351	0.46979882		0.500		94.0	%	80-120	09/01/2004	1932
MS	226469-4	M351	0.50920005		0.500	0.02255622	97.3	%	75-125	09/01/2004	1948
MDS	226469-4	M351	0.50046447	0.50920005	0.500	0.02255622				09/01/2004	1953
CCV		M0388	0.96821374		1.00		96.8	%	90-110	09/01/2004	2005
CCB			-0.0003831							09/01/2004	2017
MB		3010	0.00111095							09/01/2004	2101
CCV		M0388	0.94873030		1.00		94.9	%	90-110	09/01/2004	2108
CCB			0.00062891							09/01/2004	2120
LCS		M351	0.48332880		0.500		96.7	%	80-120	09/01/2004	2123
MS	226505-2	M351	0.50050169		0.500	0.00443626	99.2	%	75-125	09/01/2004	2149
MSD	226505-2	M351	0.48204849	0.50050169	0.500	0.00443626	95.5	%	75-125	09/01/2004	2154
							3.8	R	20		
MB		3050	0.00023570							09/01/2004	2202
CCV		M0388	0.97084614		1.00		97.1	%	90-110	09/01/2004	2209
CB			0.00084058							09/01/2004	2215
CS		M383D	1.85443458		2.04		90.9	%	65-135	09/01/2004	2225
LCS		M351	0.45749712		0.500		91.5	%	65-135	09/01/2004	2230

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 97739 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: V
Parameter.....: Vanadium (V)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MS	226497-5	M351	0.58248222		0.500	0.09718391	97.1	%	75-125	09/01/2004	2246
MSD	226497-5	M351	0.57857097	0.58248222	0.500	0.09718391	96.3	%	75-125	09/01/2004	2252
							0.7	R	20		
CCV		M0388	0.96277360		1.00		96.3	%	90-110	09/01/2004	2314
CCB			-0.0015450							09/01/2004	2319
CCV		M0388	0.95300137		1.00		95.3	%	90-110	09/01/2004	2351
CCB			-0.0018592							09/02/2004	0003

Test Method.....: SW-846 6010B Batch.....: 97875 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: ZN
Parameter.....: Zinc (Zn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0386	10.0530		10.0		100.5	%	90-110	09/03/2004	1345
CV		M0368	1.0450		1.00		104.5	%	90-110	09/03/2004	1354
ICV		M0380	1.0286		1.00		102.9	%	90-110	09/03/2004	1418
ICB			0.0010							09/03/2004	1422
CCV		M0389	5.0559		5.00		101.1	%	90-110	09/03/2004	1427
CCB			-0.0028							09/03/2004	1435
MB		3050	0.0148							09/03/2004	1440
LCS		M351	0.4976		0.500		99.5	%	80-120	09/03/2004	1442
MB		3050	0.0060							09/03/2004	1503
LCS		M351	0.5090		0.500		101.8	%	69-131	09/03/2004	1507
PDS	226343-1	M351D	2.4301		2.00	0.2897	107.0	%	75-125	09/03/2004	1516
PSD	226343-1	M351D	2.4971	2.4301	2.00	0.2897	110.4	%	75-125	09/03/2004	1519
							2.7	R	20		
CCV		M0389	5.0380		5.00		100.8	%	90-110	09/03/2004	1624
CCB			-0.0007							09/03/2004	1630
MB		3050	0.0017							09/03/2004	1642
LCS		M351	0.5119		0.500		102.4	%	80-120	09/03/2004	1644
LCS		M383D	3.0769		3.29		93.5	%	80-120	09/03/2004	1650
MB		3050	-0.0019							09/03/2004	1714
LCS		M383D	2.9584		3.29		89.9	%	80-120	09/03/2004	1718
LCS		M351	0.5034		0.500		100.7	%	80-120	09/03/2004	1722
CCV		M0389	5.1829		5.00		103.7	%	90-110	09/03/2004	1757
CCB			-0.0033							09/03/2004	1802

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: ZN
Parameter.....: Zinc (Zn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.97426049		2.00		98.7	%	90-110	09/15/2004	1234
ICV		M0368	1.02320892		1.00		102.3	%	90-110	09/15/2004	1243
ICV		M0380	1.01343852		1.00		101.3	%	90-110	09/15/2004	1252
ICB			-0.0027242							09/15/2004	1306
CB			-0.0061947							09/15/2004	1318
ICV		M0393	0.50424801		0.500		100.8	%	90-110	09/15/2004	1322
CCV		M0388	1.01413479		1.00		101.4	%	90-110	09/15/2004	1327

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 226501 Report Date.: 09/21/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: RCRA CLOSURE ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 98198 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: ZN
Parameter.....: Zinc (Zn)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0068546							09/15/2004	1333
MB		3050	-0.0074080							09/15/2004	1341
LCS		M383D	3.07538388		3.29		93.5	%	69-131	09/15/2004	1349
LCS		M351	0.46099294		0.500		92.2	%	69-131	09/15/2004	1354
CCV		M0388	1.00683385		1.00		100.7	%	90-110	09/15/2004	1438
CCB			-0.0022579							09/15/2004	1450
CCV		M0388	0.97419400		1.00		97.4	%	90-110	09/15/2004	1838
CCB			-0.0026880							09/15/2004	1852
CCV		M0388	1.00833994		1.00		100.8	%	90-110	09/15/2004	1923
CCB			0.01250566							09/15/2004	1937
PDS	226668-1	M351D	2.04303787		2.00	0.41354623	81.5	%	75-125	09/15/2004	2000
PSD	226668-1	M351D	2.05604819	2.04303787	2.00	0.41354623	82.1	%	75-125	09/15/2004	2005
							0.6	R	20		
CCV		M0388	0.96871511		1.00		96.9	%	90-110	09/15/2004	2011
CCB			-0.0004080							09/15/2004	2025
CCV		M0388	0.96771683		1.00		96.8	%	90-110	09/15/2004	2112
CB			-0.0022256							09/15/2004	2126
MB		3010	-0.0075962							09/15/2004	2129
LCS		M351	0.47837759		0.500		95.7	%	80-120	09/15/2004	2137
MS	226644-2	M351	0.66472150		0.500	0.16402278	100.1	%	75-125	09/15/2004	2149
MSD	226644-2	M351	0.65436974	0.66472150	0.500	0.16402278	98.1	%	75-125	09/15/2004	2154
							1.6	R	20		
BLK			-0.0075256							09/15/2004	2207
CCV		M0388	0.96058268		1.00		96.1	%	90-110	09/15/2004	2210
CCB			-0.0027880							09/15/2004	2224

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

Original

Subcontract Laboratory

Report

SEVERN TRENT STL

Certificate of Analysis

STL Austin • 14046 Summit Drive, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • *www.stl-inc.com*

ANALYTICAL REPORT

Encycle/Asarco

Lot #: I4I030287

Olga McDonald

STL Corpus Christi
1733 North Padre Island Drive
Corpus Christi, TX 78408

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

September 13, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

September 13, 2004

STL LOT NUMBER: **I4I030287**
PO/CONTRACT: 226501

Olga McDonald
STL Corpus Christi
1733 North Padre Island Drive
Corpus Christi, TX 78408

Dear Olga McDonald,

This report contains the analytical results for the three samples received under chain of custody by Severn Trent Laboratories (STL) on September 3, 2004. These samples are associated with your Encycle/Asarco project.

All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me.

Sincerely,

Neal Salcher
Project Manager

cc: Project File

EXECUTIVE SUMMARY - Detection Highlights

I4I030287

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

ANALYTICAL METHODS SUMMARY

I4I030287

PARAMETER	ANALYTICAL METHOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I4I030287

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GPLL4	001	226501-1	08/31/04	11:40
GPLL6	002	226501-3	08/31/04	14:00
GPLL7	003	226501-5	08/31/04	14:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I4I030287

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 6010B		4251335	4251215
002	SOLID	SW846 6010B		4251335	4251215
003	SOLID	SW846 6010B		4251335	4251215

STL CORPUS CHRISTI

Client Sample ID: 226501-1

TOTAL Metals

Lot-Sample #...: I4I030287-001 **Matrix.....:** SOLID
Date Sampled...: 08/31/04 11:40 **Date Received..:** 09/03/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4251335						
Bismuth	ND	4.3	mg/kg	SW846 6010B	09/07-09/08/04	GPLL41AC
		Dilution Factor: 0.86		Analysis Time..: 14:48	MS Run #.....: 4251215	

STL CORPUS CHRISTI

Client Sample ID: 226501-3

TOTAL Metals

Lot-Sample #...: I4I030287-002 **Matrix.....:** SOLID
Date Sampled...: 08/31/04 14:00 **Date Received..:** 09/03/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4251335						
Bismuth	ND	2.8	mg/kg	SW846 6010B	09/07-09/08/04	GPLL61AC
		Dilution Factor: 0.55		Analysis Time..: 14:53	MS Run #.....: 4251215	

STL CORPUS CHRISTI

Client Sample ID: 226501-5

TOTAL Metals

Lot-Sample #...: I4I030287-003 **Matrix.....:** SOLID
Date Sampled...: 08/31/04 14:30 **Date Received..:** 09/03/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4251335						
Bismuth	ND	3.8	mg/kg	SW846 6010B	09/07-09/08/04	GPLL71AC
		Dilution Factor: 0.76		Analysis Time..: 14:58	MS Run #.....: 4251215	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I4I030287 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4I070000-335 **Prep Batch #...:** 4251335						
Bismuth	ND	5.0	mg/kg	SW846 6010B	09/07-09/08/04	GPPPL1AN
		Dilution Factor: 1				
		Analysis Time..: 13:17				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4I030287 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4I070000-335 **Prep Batch #...:** 4251335					
Bismuth	99 N	(0.0- 0.0)	SW846 6010B	09/07-09/08/04	GPPPL1AV
		Dilution Factor: 1	Analysis Time..: 13:22		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4I030287 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4I070000-335 **Prep Batch #...:** 4251335							
Bismuth	50.0	49.4 N	mg/kg	99	SW846 6010B	09/07-09/08/04	GPPPL1AV

Dilution Factor: 1 Analysis Time..: 13:22

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4I030287 **Matrix.....:** SOLID
Date Sampled...: 08/30/04 15:45 **Date Received..:** 08/31/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4H310238-002 **Prep Batch #...:** 4251335							
						% Moisture.....: 14	
Bismuth	89 N	(0.0 - 0.0			SW846 6010B	09/07-09/08/04	GN9811CH
	89 N,*	(0.0 - 0.0	12	(0-0.0)	SW846 6010B	09/07-09/08/04	GN9811CJ
		Dilution Factor: 0.89					
		Analysis Time..: 15:34					
		MS Run #.....: 4251215					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4I030287 **Matrix.....:** SOLID
Date Sampled...: 08/30/04 15:45 **Date Received..:** 08/31/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4H310238-002 **Prep Batch #...:** 4251335									
								% Moisture.....: 14	
Bismuth									
	ND	44.6	39.9 N	mg/kg	89		SW846 6010B	09/07-09/08/04	GN9811CH
	ND	39.7	35.2	mg/kg	89	12	SW846 6010B	09/07-09/08/04	GN9811CJ

Qualifiers: N,*
Dilution Factor: 0.89
Analysis Time..: 15:34
MS Run #.....: 4251215

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

Report Attachment

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SQL (sample quantitation limit).

SEVERN TRENT STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I4I030287

RECEIVED BY: _____

COC NUMBER: _____

DATE/TIME RECEIVED: 9-3-04 0817

QUOTE/PROFILE: 56827

UNPACKED DATE/TIME: 9-3-04 0900

CLIENT/PROJECT: STL Corpus

SAMPLES LOGGED IN: _____ LOG-IN REVIEWED: _____

Number of Shipping Containers Received with Chain of Custody 1

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: CC

Container Sealed: ☒ YES ☐ NO — Custody Seal Signed/Dated: ☒ YES ☐ NO

Custody Seal Present: ☒ YES ☐ NO — Containers checked for radioactivity: ☐ YES ☐ NO ☒ N/A

If seal not intact or Geiger counter reading >0.5 mR/hr, list air bill number of that container(s): _____

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: _____

Canister Valves Closed:	☐ YES ☐ NO	Samples Received Match Chain:	☐ YES ☐ NO
Canister Valves Capped:	☐ YES ☐ NO	Other Equipment Received:	☐ YES ☐ NO
Valve Cap Tightened Properly:	☐ YES ☐ NO	See Additional Comments (Section 5.0 and / or 7.0)	☐ YES ☐ NO
Packing Material Used: (circle)		Chain-of-Custody form properly maintained:	☐ YES ☐ NO
None / Absorbent / Paper / Bubble Wrap		Can Size: ☐ 6L ☐ 15L Other	_____

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: CC **IR THERMOMETER #:** 05

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 3.0	SC	SC	SC	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☒ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☒ NA ☐ YES **VERIFIED BY:** CC

Base samples are>pH 12:	☐ YES ☐ NO	Acid preserved are<pH 2:	☐ YES ☐ NO
Cyanide samples checked for sulfides:	☐ YES	Sulfide samples appear to be preserved with zinc acetate:	☐ YES ☐ NO
Samples checked for chlorine per specification (N.C.)	☐ YES	Free chlorine present:	☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

4.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** CC

Samples received match COC: ☑ YES ☐ NO
Bottles received intact: ☑ YES ☐ NO
See additional discrepancies/comments section: ☐ YES ☑ NO
Samples received from USDA restricted area: ☐ YES ☑ NO
Chain-of-Custody form properly maintained: ☑ YES ☐ NO
VOA trip blanks included: ☐ YES ☐ NO ☑ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: 7919 25229235

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: [signature] Date: 9/13/04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SEVERN TRENT **STL**

STL Austin I4I030287

No. 25681

CHAIN OF CUSTODY RECORD

Quote # 56827

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: STL Corpus Christi	PROJECT NAME/NUMBER:
SEND REPORT TO: [illegible] M Dowell	**BILLING INFORMATION**
ADDRESS:	BILL TO:
	ADDRESS: Same
PHONE: 361/289-2673	PHONE:
FAX: 361/289-2471	FAX: PO NO:

LAB JOB NO.

SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST: PBI (6010)							REMARKS/PRECAUTIONS
	226501-1	8/31/04	11:40	Soil	2oz jar	None	1	X							Attn:
	226501-3	↓	14:00	↓	↓	↓	1	X							Neal Salcher
	226501-5	↓	14:30	↓	↓	↓	1	X							3°C 9-3-04 CL
															Encycle/ASARCO
															Pricing

SAMPLER: SHIPMENT METHOD: AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☒ OTHER 7-day

1. RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	090304	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Mark McDermott/SK	TIME 1500	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [signature]	9-3-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL Curtis Creamer	TIME 0817	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

End of

Subcontract Laboratory

Report(s)

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2004

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND	= Not detected at a value greater than the reporting limit
TNTC	= Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion/Distillation Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data	*cp	Non-STL Subcontract Lab	*xx

EXPLANATION OF DATA FLAGS

B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
I - Used to indicate matrix interference.
X - Indicates that a surrogate recovery is outside the specified quality control limits.
Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
* - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

B - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
U - Indicates that a value is less than the MDL or was not detected.

1733 North Padre Island Drive • Corpus Christi, TX 78408 • Tel: 361 289 2673 • Fax: 361 289 2471 • www.stl-inc.com

ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: ENCYCLE RCRA CLOSURE

Project Location: ENCYCLE, TX

Laboratory: STL

Project Manager: KEN BRADNER

Sampler(s)/Affiliation: ORLANDO GONZALEZ / ARCADIS
JACOB CLEMENTS

0.4°C

226501

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	TOTAL As, Ba, Bi, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Sn, V, Zn, Sb, Hg, Ag, THALLIUM, CYANIDE (8oz WIDEMOUTH GLASS JARS W/TEFLON LIDS)						Remarks	Total
FAC 1, CRACK 1 0-0.5'	S	8-31-04 1140		X						ANALYZE 0-0.5' SAMPLE	1
FAC 1 CRACK 1 2.0-2.5'	S	1145		[HOLD]						HOLD 2-2.5' SAMPLE	1
FAC 1 CRACK 2 0-0.5'	S	1400		X						ANALYZE 0-0.5' SAMPLE	1
FAC 1 CRACK 2 2.0-2.5'	S	1410		[HOLD]						HOLD 2.0-2.5' SAMPLE	1
FAC 1 CRACK 3 0-0.5'	S	1430		X						ANALYZE 0-0.5' SAMPLE	1
FAC 1 CRACK 3 2.0-2.5'	S	1440		[HOLD]						HOLD 2.0-2.5' SAMPLE	1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers

Relinquished by: [signature]	Organization: ARCADIS	Date 8/31/04	Time 1615	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CC	Date 8/31/04	Time 1615	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: HOLD ALL 2.0-2.5' SAMPLES, PENDING NOTIFICATION FROM KEN BRADNER. RESULTS TO KEN BRADNER (ARCADIS) & RICH MARCUS (ENCYCLE). INVOICE TO RICH MARCUS. NORMAL TURNAROUND

Delivery Method: ☒ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____ SPECIFY

APPENDIX J

Appendix J

Soil Sample Analytical Result Summary Tables – RFI Soil Borings around the Perimeter of Facility No. 1

Table 14. Feed Tank 1 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-61	06/20/00	0-0.5	(u)	3	61	87	<4	48	60	19	232	<0.04	317	149	18	28	9	4	<1	7	26	3,288
	(SPLP)	*0-0.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.5*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*0.58*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*29*
(feedtank No.1)		2-2.5	(u)	<0.8	6	596	<4	<1	20	6	15	<0.04	13	333	0.05	13	<0.8	<0.5	2	<5	24	85
		5.5	(u)	<0.8	6	362	<4	<1	9	5	7	<0.04	9	295	<0.05	8	<0.8	<0.5	1	<5	35	44
	Duplicate 19	5.5	(u)	<0.8	6	302	<4	<1	17	6	14	<0.04	10	313	<0.05	11	<0.8	<0.5	2	<5	39	70
		8.5	(u)	1	<5	189	<4	<1	12	6	7	<0.04	9	307	<0.05	8	1	<0.5	7	<5	28	42
		11.5	(u)	<0.8	<5	58	<4	<1	49	8	<5	<0.04	<5	205	<0.05	24	<0.8	<0.5	3	<5	8	22
		14.5	(u)	<0.8	<5	67	<4	<1	73	12	<5	<0.04	<5	370	<0.05	34	1	<0.5	2	<5	7	11
		15-16	(s)	<0.8	<5	67	<4	<1	60	12	<5	<0.04	<5	274	<0.05	28	1	<0.5	1	<5	5	11
B-62	06/20/00	0-0.5	(u)	1	<5	---	---	4	34	6	8	---	11	---	<0.05	18	<0.8	<0.5	---	---	---	385
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	2	---	---	36
(step out boring)		5.5	(u)	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	2	---	34	38
		8.5	(u)	<0.8	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	<1	---	---	26
		11.5	(u)	---	---	---	---	---	27	---	---	---	---	---	---	---	---	---	<1	---	---	20
		14.5	(u)	---	---	---	---	---	26	6	---	---	---	---	---	12	<0.8	---	<1	---	---	8
		15-16	(s)	---	---	---	---	---	54	10	---	---	---	---	---	26	1	---	---	---	---	8
B-63	06/20/00	0-0.5	(u)	<0.8	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	59
(feedtank No.1)		2-2.5	(u)	---	---	---	---	---	14	---	---	---	---	---	---	---	---	---	2	---	---	66
(step out boring)		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	64
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9
		15-16	(s)	---	---	---	---	---	45	10	---	---	---	---	---	21	<0.8	---	---	---	---	6
B-64	06/20/00	0-0.5	(u)	<0.8	7	305	<4	623	16	7	13	<0.04	39	1725	<0.05	22	<0.8	0.54	2	6	27	9393
(feedtank No.1)		2-2.5	(u)	2	7	282	<4	193	27	30	540	0.08	60	4188	0.08	47	<0.8	2	<1	9	26	59140
	(SPLP)	*2-2.5*	*(u)*	*<0.1*	*<0.1*	*<0.1*	*<0.1*	*1.0*	*<0.1*	*<0.1*	*<0.1*	---	*<0.1*	*0.36*	---	*<0.1*	*<0.1*	*<0.05*	*<0.1*	*<0.1*	*<0.1*	*16*
		5.5	(u)	1	<5	203	<4	3	10	<5	11	<0.04	14	2305	<0.05	11	<0.8	1	<1	<5	25	62460
		8.5	(u)	1	6	292	<4	<1	15	7	9	<0.04	24	415	<0.05	11	<0.8	<0.5	2	10	36	757
		11.5	(u)	<0.8	<5	51	<4	1	29	7	<5	<0.04	<5	139	<0.05	14	1	<0.5	<1	<5	8	671
		14.5	(u)	<0.8	<5	51	<4	<1	62	13	<5	<0.04	<5	283	<0.05	29	1	<0.5	<1	<5	6	143
		15-15.5	(s)	<0.8	<5	71	<4	<1	82	16	6	<0.04	<5	176	<0.05	38	1	0.52	<1	<5	5	64
B-65	06/20/00	0-0.5	(u)	---	---	---	---	10	21	---	---	---	---	419	---	---	---	---	2	---	---	1110
(feedtank No.1)		2-2.5	(u)	3	---	---	---	2	28	6	30	---	1570	386	---	9	---	1	---	518	---	684
(step out boring)		5.5	(u)	1	---	---	---	---	---	---	---	---	---	349	---	---	---	<0.5	---	---	---	1750
		8.5	(u)	1	---	---	---	---	16	---	---	---	---	---	---	---	---	---	2	11	38	57
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	39
		14.5	(u)	---	---	---	---	---	23	7	---	---	---	---	---	---	1	---	---	---	---	17
		15.3-16	(s)	---	---	---	---	---	39	9	---	---	---	---	---	18	1	<0.5	---	---	---	18

Table 14. Feed Tank 1 Area Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-66	06/20/00	0-0.5	(u)	---	---	---	---	---	**93**	---	---	---	---	**532**	---	---	---	---	<1	---	---	4176
	Duplicate 18	0-0.5	(u)	**4**	9	123	<4	**74**	**222**	**60**	**1380**	<0.04	**427**	**559**	0.08	**69**	<0.8	1	**3**	**30**	10	2200
(feedtank No.1)		2-2.5	(u)	**1**	---	---	---	---	12	---	**29**	---	29	257	---	---	---	<0.5	---	6	---	99
(step out boring)		5.5	(u)	**1**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	110
		8.5	(u)	**1**	---	---	---	---	11	---	---	---	---	---	---	---	---	---	**6**	5	25	72
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	37
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.8	---	---	---	---	13
		15.7-16	(s)	---	---	---	---	---	**49**	---	---	---	---	---	---	---	**1**	---	---	---	---	11
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		9.8			3.64			18.26		30.92	686.68		25.86						
		clay/silt strata:		0.77		720			14.9									0.54	1.02		35.6	
		clean sand strata (SP/SW):		0.80		202			35.9									0.50	1.0		15.7	
TNRCC RRS2 MSCs[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
MSCs Medium specific concentrations
SAI-Ind Soil/Air and Ingestion Standard for Industrial Use (Applies to upper 2 feet of soil at commercial/industrial sites - 30 TAC Chapter 335.559(g))
Adjusted GWP-Ind Adjusted Soil-to-Groundwater Protection Standard for Industrial Use (adjusted for saline groundwater - 30 TAC Chapter 335.559(d)(3))
Adjusted GW Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at the site. Therefore, zinc background level not given.
c 30 TAC Chapter 335, Subchapter S.
Notes: 1) Numbers in **bold** exceed TNRCC-approved background concentrations established for the site.
2) Numbers **boxed** exceed both background and the RRS2 SAI-Ind and/or RRS2 adjusted GWP-Ind.

Table 20. Facility No. 1 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
B-67	06/15/00	0-0.5	(u)	<0.8	<5	161	12	326	17	8	407	<0.04	56	1297	0.1	16	<0.8	2	<1	12	18	52100
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	<1	---	---	8	---	---	349	<0.05[a]	---	---	<0.5	---	<5	---	103
		5.5	(u)	---	---	---	---	---	---	---	---	---	---	---	<0.05[a]	---	---	---	---	---	---	180
		8.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	138
		11.5-12.5	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	73
B-68	06/27/00	0-0.5	(u)	2	<5	134	<4	129	13	11	25	<0.04	9	1528	<0.05	20	<0.8	<0.5	<1	<5	18	40160
(Facility No. 1)		2-2.5	(u)	4	---	---	---	302	---	10	---	---	---	1560	---	---	---	---	---	---	---	14400
		5.5	(u)	3	---	---	---	2	---	7	---	---	---	445	---	---	---	---	---	---	---	247
		8.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71
		11.5	(u)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71
		14.5	(u)	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35
		15.7-16	(s)	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	30
B-69	06/15/00	0-0.5	(u)	<0.8	<5	132	6	512	67	68	295	<0.04	14	746	<0.05	149	3	<0.5	<1	6	15	25520
(Facility No. 1)		2-2.5	(u)	---	---	---	<4	27	11	7	51	---	---	872	---	11	<0.8	---	---	---	---	29520
		5.5	(u)	---	---	---	---	54	---	---	16	---	---	2200	---	---	---	---	---	---	---	74080
		8.5	(u)	---	---	---	---	2	---	---	---	---	---	269	---	---	---	---	---	---	---	779
		11.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	273
		14.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2340
		15.6-16	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	26790
B-70	06/19/00	0-0.5	(u)	<0.8	<5	131	<4	875	16	8	13	0.11	10	545	<0.05	11	<0.8	<0.5	5	<5	17	6,289
(Facility No. 1)		2-2.5	(u)	---	---	---	---	13	16	---	---	---	---	311	---	---	---	---	2	---	---	296
		5.5	(u)	---	---	---	---	16	15	---	---	---	---	---	---	---	---	---	2	---	---	342
		8.5	(u)	---	---	---	---	4	11	---	---	---	---	---	---	---	---	---	7	---	---	101
		11.5-12	(s)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	---	---	20
B-182	11/06/01	0-0.5	(u)	---	---	---	4.7	<1.0	14	---	9.9	---	---	309	<0.05	---	---	<0.5	---	<5	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-67)																						
B-183	11/06/01	0-0.5	(u)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(Facility NO. 1)		2-2.5	(u)	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---
(Step out from B-182)																						

Table 20. Facility No. 1 Soil Boring Analytical Results Summary - (mg/kg), Encycle/Texas, Inc., Corpus Christi, Texas

Boring ID	Date Sampled	Sample Depth (ft)	u/s	Antimony	Arsenic	Barium	Bismuth	Cadmium	Chromium	Cobalt	Copper	Cyanide	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Soil Background Concentrations																						
		0-0.5':			16.65		4.9	11.70		9.72	40.33	0.24	109.16	333.73	0.09	25.80	0.89			7.65		b
		2-2.5':			8.01			4.47			17.20		54.36	360.83		27.21						
		unsaturated below 2.5':	(u)		21.86			4.97			16.15		38.96	592.50		29.74						
		saturated soil sample:	(s)		9.8			3.64			18.26		30.92	686.68		25.86						
		clay/silt strata:		0.77		720			14.9									0.54	1.02		35.6	
		clean sand strata (SP/SW):		0.80		202			35.9									0.50	1.0		15.7	
TNRCC RRS2 MSCs[c]																						
		SAI-Ind (mg/kg):		490	200	58000		1500	350000	110000	74000	37000	1000	110000	9.6	12000	9200	2800	150	610000	2900	410000
		Adjusted GWP-Ind (mg/kg):		60	100	20000		50	1000	61000	13000	2000	150	140000	20	20000	500	5100	20	610000	7200	310000
		Adjusted GW (mg/L):		0.6	1	200		0.5	10	610	130	20	1.5	1400	0.2	200	5	51	0.2	6100	72	3100

mg/kg Milligrams per kilogram
mg/L Milligrams per liter
--- Not analyzed
(u) Unsaturated soil sample.
(s) Saturated soil sample.
(dup) Duplicate soil sample.
(SPLP) Synthetic Precipitation Leaching Procedure. Units in mg/L - analytical results shown in *italics*.
MSCs Medium specific concentrations
SAI-Ind Soil/Air and Ingestion Standard for Industrial Use (Applies to upper 2 feet of soil at commercial/industrial sites - 30 TAC Chapter 335.559(g))
Adjusted GWP-Ind Adjusted Soil-to-Groundwater Protection Standard for Industrial Use (adjusted for saline groundwater - 30 TAC Chapter 335.559(d)(3))
Adjusted GW Adjusted RRS2 MSC for groundwater (adjusted for saline groundwater)
* Surface soil sample adjacent to previously constructed background soil boring.
a Sample re-collected and re-analyzed within EPA-specified holding time. Initially collected sample not analyzed within EPA-specified holding time.
b April 28, 1997 TNRCC letter stated zinc would not be a good release indicator for a unit at the site. Therefore, zinc background level not given.
c 30 TAC Chapter 335, Subchapter S.
Notes: 1) Numbers in **bold** exceed TNRCC-approved background concentrations established for the site.
2) Numbers **boxed** exceed both background and the RRS2 SAI-Ind and/or RRS2 adjusted GWP-Ind.

APPENDIX K

ARCADIS

Appendix K

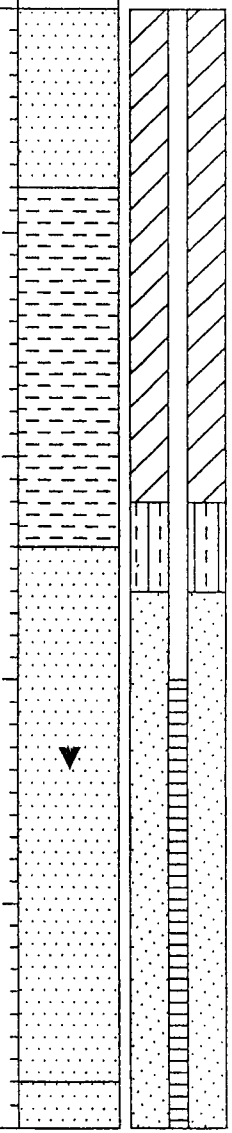
Monitor Well MW-20 Completion Diagram

WELL LOG

DEPTH	SAMPLE DESCRIPTION
	0–4' Moderate brown, silty sand (ML/SM).
5	4–6' Very pale olive gray, silty clay (CL).
10	6–12' Very pale orange, silty clay (CL).
	12–16' Very pale light reddish brown, sand (SP), very fine grained.
15	
	16–24' Very pale light yellowish brown, sand (SP), very fine grained, saturated at 17 feet.
20	

SYMBOL

COMPLETION



MW–20
WELL

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 20, 2001
DATE

HOLLOW–STEM AUGER
DRILLING METHOD

2" PVC 0–15'
CASING

2" PVC; SLOTTED 15–35'
SCREEN

0–11'
CEMENT

11–13'
BENTONITE

13–35'
SAND PACK

---/23.82'
GROUND ELEV./TOP OF CASING ELEV.

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

▽ HC LEVEL
▼ WATER LEVEL

SAND
SILT
CLAY
FILL/CONCRETE
BENTONITE
GRAVEL

ARCADIS

WELL LOG

DEPTH	SAMPLE DESCRIPTION	SYMBOL	COMPLETION
30	24–35' Very pale light yellowish brown, sand (SP), fine to medium grained.	30	
35	35–36' Tan, clay (CL).	35	
	Total depth = 36 feet.		

MW–20
WELL

ENCYCLE/TEXAS
CLIENT

CC000642.0002
PROJECT

CORPUS CHRISTI, TEXAS
LOCATION

NOVEMBER 20, 2001
DATE

HOLLOW–STEM AUGER
DRILLING METHOD

2" PVC 0–15'
CASING

2" PVC; SLOTTED 15–35'
SCREEN

0–11'
CEMENT

11–13'
BENTONITE

13–35'
SAND PACK

---/23.82'
GROUND ELEV./TOP OF CASING ELEV.

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')

HC LEVEL
WATER LEVEL

SAND
SILT
CLAY
FILL/CONCRETE
BENTONITE
GRAVEL

ARCADIS