ENCYCLE/TEXAS, INC.

FINAL CLOSURE CERTIFICATION REPORT – FACILITY NO. 3

NON-PERMITTED UNITS

April 20,2004

ARCADIS

Infrastructure, buildings, environment, communications

ARCADIS

FINAL CLOSURE CERTIFICATION REPORT
FACILITY NO. 3 NON-PERMITTED UNITS

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1.0 Introduction

ARCADIS G&M, Inc. (ARCADIS) was retained by Encycle/Texas, Inc. to supervise closure of non-permitted units in the Facility No. 3 building located at Encycle/Texas, Inc., Corpus Christi, Texas. Facility No. 3 is an approximate 15,000 square foot pre-fabricated metal building that contains nine non-permitted units. These non-permitted units include six tanks, two drum filters, and one filter press 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 2003 Agreed Final Judgment (Agreed Final Judgment) between the State of Texas vs. Encycle/Texas Inc. and ASARCO Incorporated, 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 Facility No. 3. Closure activities for the permitted container storage area in Facility No. 3, 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 Facility No. 3 were decontaminated during December 2003 and January 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 Facility No. 3, and verification rinse water sample analytical data demonstrates that the 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. 3 Description

Facility No. 3 is an approximate 15,000 square foot building with concrete floors, prefabricated metal walls, and a prefabricated metal roof with steel (I-beam) structural support. Facility No. 3 is located in the west-central portion of the Encycle facility as shown on Figure 1. Facility No. 3 was used during ASARCO operations for pre-leaching of zinc ore concentrates in tanks and other process equipment. Facility No. 3 was used during Encycle operations 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. 3 has reinforced concrete floors, and perimeter concrete curbs and ramps to contain any spills. As shown on Figure 2, the non-permitted units in Facility No. 3 include two tanks on the first floor of the building (Tanks 695005 and 695096), four tanks (Tanks 695016, 695017, 695018, 695019) and a filter press (Press 215130) on the second level (2nd floor), and two drum filters (Drum Filters 235027 and 235028) on the upper level (3rd floor). 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 non-permitted units in Facility No. 3 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

Facility No. 3 was 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.

4.3 Unit Decontamination

Following TCEQ Region 14 office notification on October 31, 2003, final closure activities for the non-permitted units in Facility No. 3 were conducted between December 2003 and January 2004. As specified in the TCEQ April 27, 2000 letter, each non-permitted unit in Facility No. 3 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 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 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 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 on March 30, 2004. A copy of the manifest is provided in Appendix J. Additional piping segments and waste residuals from the Facility No. 3 non-permitted units are currently stored on-site in containers. These additional piping segments and waste residuals, along with piping segments and 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 Appendix B, photograph 6, the secondary containment areas for the non-permitted units consist of concrete floors with floor drains, sumps, and perimeter concrete curbing and ramps. The concrete floor in the northern portion of the building slopes to concrete floor drains that discharge into a 4-foot by 8-foot by 3.5-foot-deep concrete sump. The concrete floor in the southern portion of the building slopes to concrete floor drains that discharge into two 2-foot-diameter by 2-foot-deep concrete sumps.

Decontamination activities involved cleaning of the concrete floors, floor drains, ramps, curbs, and sumps using pressure washing and steam cleaning to remove any waste residuals. The washwater and waste residuals were removed using a vacuum truck, 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 using a vacuum truck 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 secondary containment concrete floors. 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 in the low points of the concrete floors. 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 E. Verification rinse water sample analytical results showed that all of the non-permitted units and secondary containment areas met the decontamination standards except for the rinsate sample from Drum Filter 235028.

The cadmium concentration in the initially collected verification rinse water sample from Drum Filter 235028 exceeded the decontamination standard of 0.5 milligrams per liter (mg/L) for cadmium. Therefore, as specified in the Closure Plan, Drum Filter 235028 was further decontaminated using pressure washing, manual scraping, and water rinsing. 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 Drum Filter 235028 on January 16, 2004 and analyzed for cadmium. As shown on Table 2, the decontamination standard for cadmium was met following the additional cleaning of Drum Filter 235028.

4.6 Decontamination of Cleanup Equipment

Following Facility No. 3 decontamination activities, the Facility No. 3 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 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, ramps, and curbs in Facility No. 3 were visually inspected by the Professional Engineer during January 2004 for breeches and failures in the secondary containment areas. The concrete floors, floor drains, sumps, ramps, and curbs in Facility No. 3 appeared in good condition and were covered with red, chemical-resistant coating (see Appendix B, photographs 3, 5, and 6). However, two cracks were present on the concrete floor and one crack was present in the concrete floor drain near the center of the building. Therefore, as specified in the Closure Plan, soil samples were collected from 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 (1.5-2 foot or 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 F. Following receipt of the analytical results for the 0-0.5 foot depth soil samples, the deeper (1.5-2 foot depth or 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 G.

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 H. As shown on Table 3, the concentrations of several metals in the 0-0.5 foot depth soil samples exceeded background concentrations. Metals concentrations in the deeper (1.5-2 foot depth or 2-2.5 foot depth) soil samples were lower, indicating metals concentrations in soil decline with depth.

None of the constituent concentrations in the 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 ($^{Tot}Soil_{Comb}$) except cadmium in the 0-0.5 foot depth soil sample from Crack 3. The 0-0.5 foot depth soil samples were analyzed using the synthetic precipitation leaching procedure (SPLP) cadmium and nickel. As shown on Table 3, the SPLP metal concentrations did not exceed the Tier 1 Groundwater PCL for Class 3 groundwater except the cadmium concentration in the 0-0.5 foot depth soil sample from Crack 3.

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. 3 concrete floor exceeded background concentrations, and metal concentrations in soil declined with depth. None of the metal concentrations in the soil samples exceeded the TRRP Tier 1 commercial/industrial PCLs for $^{Tot}Soil_{Comb}$ except cadmium in the 0-0.5 foot depth soil sample from Crack 3. The SPLP cadmium concentration in the 0-0.5 foot depth soil sample from Crack 3 also exceeded the TRRP Tier 1 Groundwater PCL for Class 3 groundwater.

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. Following completion 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. 3 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 18 to 19 feet in the Facility No. 3 area. As shown on Figure 3, monitor well MW-13 is located directly north of Facility No. 3. A copy of the monitor well MW-13 completion diagram is provided in Appendix I.

As part of the RCRA Facility Investigation, groundwater samples were collected from monitor well MW-13 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-13 were generally low to non-detectable. The cyanide and selenium concentrations in several groundwater samples from monitor well MW-13 exceeded background concentrations, but were below the TRRP Tier 1 Groundwater PCLs for Class 3 groundwater. Additional details regarding the groundwater quality data at the site is provided in the report entitled "RCRA Facility Investigation Report" that was submitted to the TCEQ on August 14, 2002.

5.0 Summary and Conclusions

Closure of Facility No. 3 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 2003 Agreed Final Judgment. All wastes have been removed from the Facility No. 3 non-permitted units, and verification rinse water sample analytical data demonstrates that the 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. 3.

Several constituents in soil samples collected directly below the concrete floor of Facility No. 3 exceed background concentrations. None of the metal concentrations in the soil samples exceeded the TRRP Tier 1 commercial/industrial PCLs for $^{Tot}Soil_{Comb}$ or the Tier 1 Groundwater PCL for Class 3 groundwater except cadmium in the 0-0.5 foot depth soil sample from Crack 3. 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. Following completion 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. 3 concrete floor will be evaluated as part of the CMS.

6.0 Certification of Closure

CLOSURE CERTIFICATION
FACILITY NO. 3 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. 3 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 2003 Agreed Final Judgment. I have personally examined Facility No. 3 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)

STATE OF TEXAS
KENNETH J. BRANDNER
69586
REGISTERED
PROFESSIONAL ENGINEER

Signature: Kenneth J. Brandner
Kenneth J. Brandner, P.E.

Registration No.: 69586

Date: 4-20-04

CLOSURE CERTIFICATION
FACILITY NO. 3 NON-PERMITTED UNITS
ENCYCLE/TEXAS, INC.
5500 UP RIVER ROAD
CORPUS CHRISTI, TEXAS

Owner's Certification

I, RICHARD MARCUS, PLANT MANAGER
(Name) (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: 4/19/04

TABLES

Table 1. Facility No. 3 Non-Permitted Unit Descriptions, Encycle/Texas, Inc., Corpus Christi, Texas

Encycle Unit Name	Consent Decree Table 5 Reference No.	Unit Description	Unit Location	Tank Capacity (gallons)	Material of Construction
Drum Filter 235027	F-19	Drum Filter	3rd Floor	NA	Steel frame & steel bowl
Drum Filter 235028	F-20	Drum Filter	3rd Floor	NA	Steel frame & steel bowl
Tank 695005	T-116	Tank	1st Floor	10,000	FRP
Tank 695016	T-117	Tank	2nd Floor	5,775	FRP/Poly
Tank 695017	T-118	Tank	2nd Floor	5,775	FRP/Poly
Tank 695018	T-119	Tank	2nd Floor	5,775	FRP/Poly
Tank 695019	T-120	Tank	2nd Floor	8,880	FRP/Poly
Tank 695096	T-126	Cone Bottom Tank	1st Floor	5,600	FRP
Press 215130	F-7	36-inch Filter Press	2nd Floor	NA	Steel frame

NA Not applicable
FRP Fiberglass
Poly Polyethylene

Table 2. Rinse Water Analytical Results Summary - Facility No. 3 Building Non-Permitted Areas (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Drum Filter 235027	1/9/04	Drum Filter - 3rd Floor	<0.01	0.10	0.07	<0.01	0.14	<0.002	<0.01	<0.005
Drum Filter 235028	1/9/04	Drum Filter - 3rd Floor	<0.01	0.09	**1.01**	<0.01	0.21	<0.002	<0.01	<0.005
	1/16/04		---	---	<0.01	---	---	---	---	---
Tank 695005	1/13/04	Tank - 1st Floor	0.02	0.10	0.07	0.02	0.05	<0.002	<0.01	<0.005
Tank 695016	1/9/04	Tank - 2nd Floor	<0.01	0.10	0.13	<0.01	0.06	<0.002	<0.01	<0.005
Tank 695017	1/9/04	Tank - 2nd Floor	<0.01	0.10	0.07	<0.01	0.04	<0.002	<0.01	<0.005
Tank 695018	1/9/04	Tank - 2nd Floor	<0.01	0.09	0.02	<0.01	0.04	<0.002	<0.01	<0.005
Tank 695019	1/9/04	Tank - 2nd Floor	<0.01	0.10	0.02	<0.01	0.05	<0.002	<0.01	<0.005
Tank 695096	1/20/04	Tank - 1st Floor	<0.01	0.10	<0.01	<0.01	0.02	<0.002	<0.01	<0.005
Press 215130	1/13/04	Filter Press - 2nd Floor	<0.01	0.08	<0.01	0.01	0.05	<0.002	<0.01	<0.005
Fac 3 Floor NE End	1/16/04	North portion of Facility 3 non-permitted floor at sump (low point) directly north of Tank 695005.	<0.01	0.09	0.11	<0.01	0.10	<0.002	<0.01	<0.005
Fac 3 Floor S End	1/16/04	South portion of Facility 3 floor at 2'-diameter sump (low point) directly northeast of Crack 2.	0.02	0.11	0.02	<0.01	0.13	<0.002	<0.01	<0.005
Field Blank	1/20/04		<0.01	<0.01	<0.001	<0.01	<0.01	<0.002	<0.01	<0.005
Decontamination Rinsate Standards:[a]			5.0	100	0.5	5.0	1.5	0.2	1.0	2.0

Table 2. Rinse Water Analytical Results Summary - Facility No. 3 Building Non-Permitted Areas (mg/L), Encycle/Texas, Inc., Corpus Christi, Texas

SAMPLE ID	Date Sampled	Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver

mg/L Milligrams per liter

--- Not analyzed

a Decontamination Rinsate Standards given in Section VI.E, Page 34 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. 3 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 3, Crack 1	1/21/04	0-0.5	<0.48	5	24	<5	**334**	4	4	6	<1	7	188	**1.1**	**2,060**	<1	<0.5	**2.6**	<2	10	4,060
	(SPLP)	0-0.5	---	---	---	---	*(0.02)*	---	---	---	---	---	---	---	*(0.62)*	---	---	---	---	---	---
		2-2.5	---	---	---	---	**23.8**	---	---	---	---	---	---	<0.1	**230**	---	---	<0.4	---	---	1,400
Facility 3, Crack 2	1/21/04	0-0.5	<0.47	<1	27	<5	**72**	5	3	4	<1	4	123	<0.1	**2,340**	<1	<0.5	**1.3**	<2	11	338
	(SPLP)	0-0.5	---	---	---	---	*(0.03)*	---	---	---	---	---	---	---	*(0.93)*	---	---	---	---	---	---
		1.5-2*	---	---	---	---	**28.4**	---	---	---	---	---	---	---	**2,220**	---	---	<0.36	---	---	---
Facility 3, Crack 3	1/21/04	0-0.5	**3.0**	11	104	<5	**1,030**	5	6	7	<1	4	257	<0.1	**3,050**	<1	<0.5	**1.3**	<2	14	7,590
	(SPLP)	0-0.5	---	---	---	---	***(0.77)***	---	---	---	---	---	---	---	*(36.9)*	---	---	---	---	---	---
		2-2.5	0.62	---	---	---	**78.2**	---	---	---	---	---	---	---	**1,500**	---	---	0.39	---	---	2,770
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

Table 3. Analytical Results Summary - Soil Samples Below Cracks in Facility No. 3 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

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.

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)

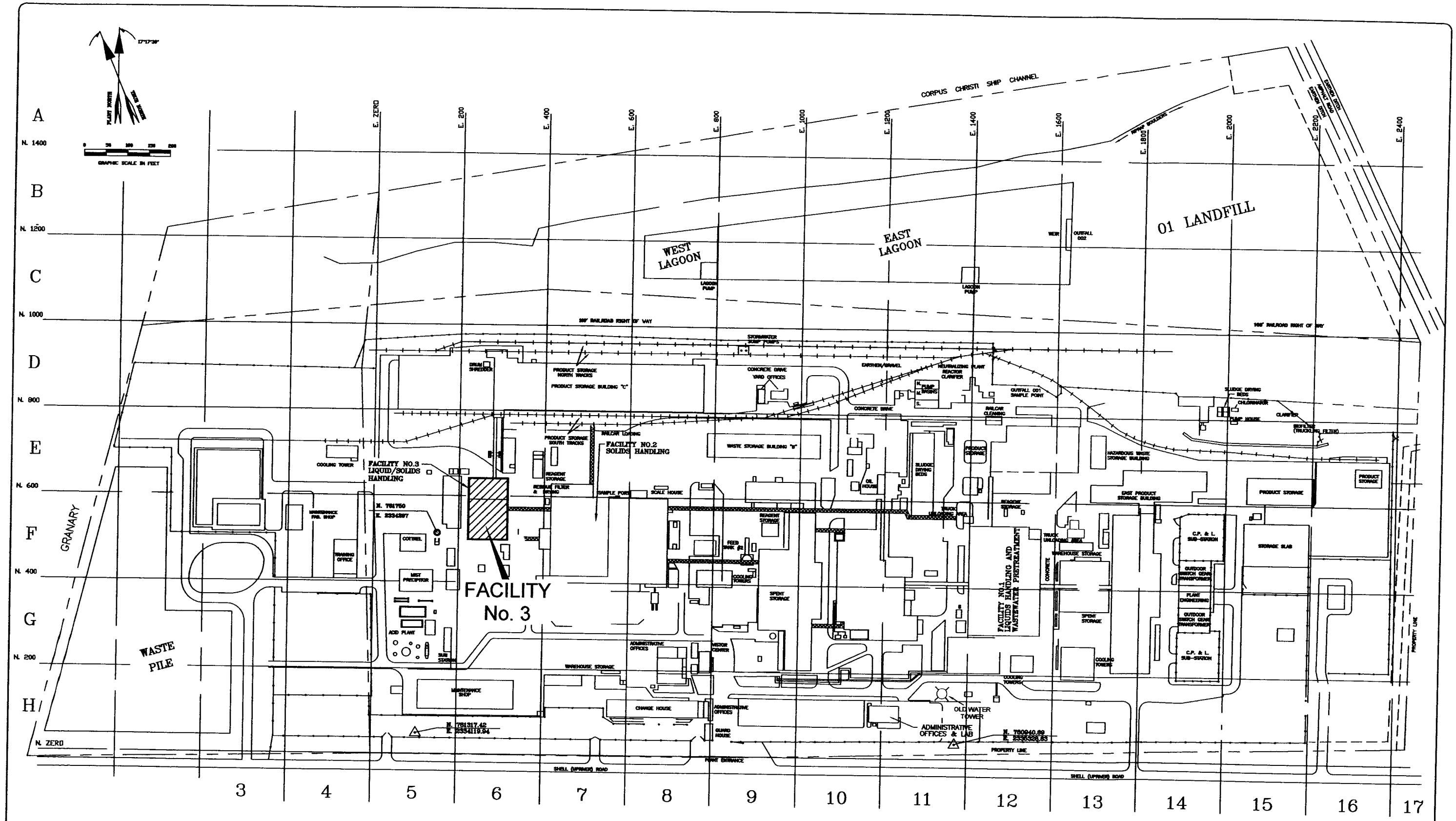
c Background data for arsenic, barium, cadmium, chromium, lead, maganese, mercury, selenium, and silver taken from monitor wells MW-3 and MW-10 during the first year of quarterly groundwater monitoring (April 1999 - April 2000) as part of the East and West Lagoons groundwater monitoring program.

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



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

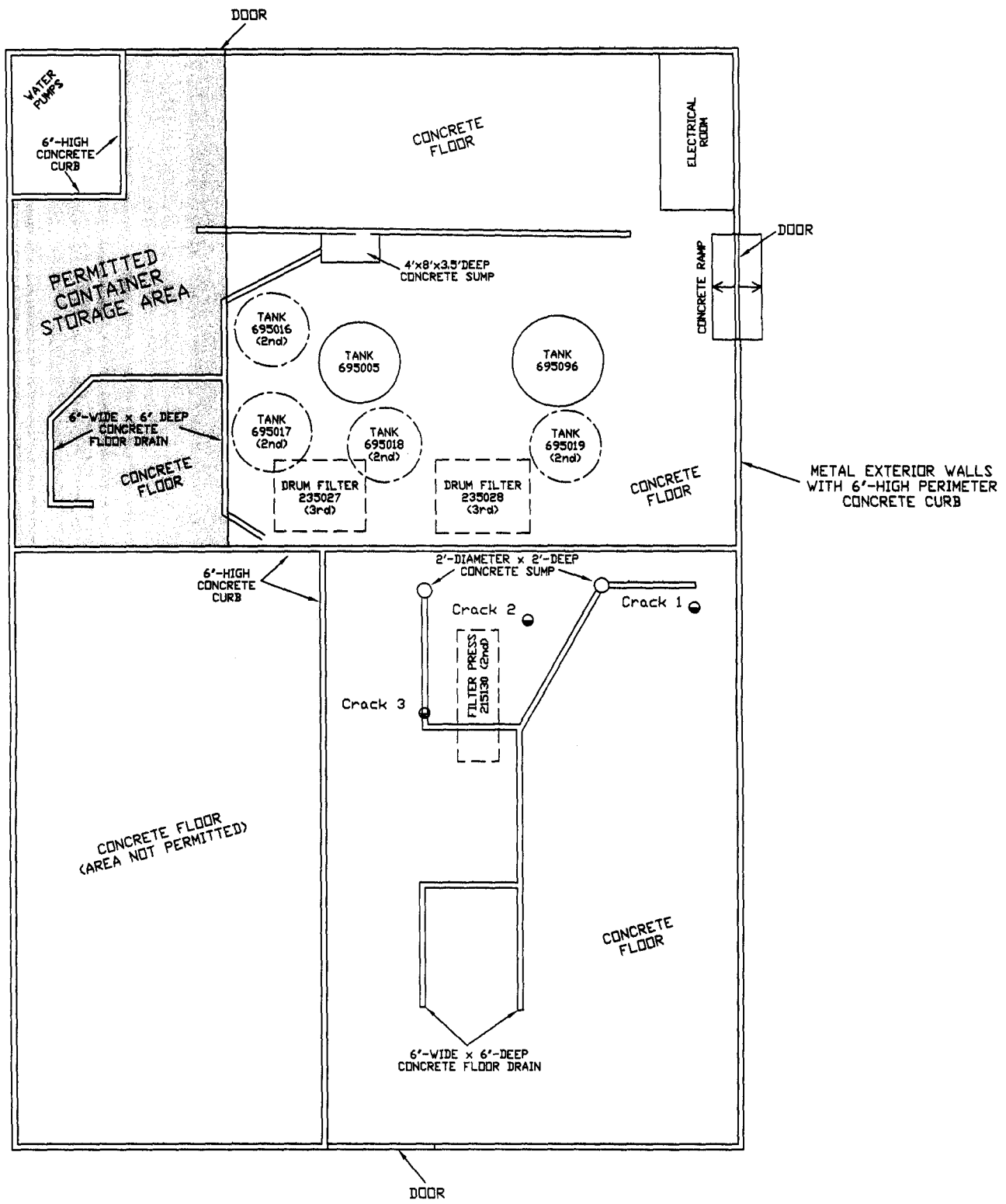
PROJECT NO.: CCCO858.0001	FILE NO:
DRAWING: FAC-3-SITE	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 10OCT2000
CHECKED BY:	DATE:
APPROVED BY:	DATE:

SITE MAP

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE 1

DWG DATE: 25MAR04 | PRJCT NO.: CC000867.000 | FILE: | DRAWING: FACILITY 3 | CHECKED: K. BRANDNER | APPROVED: K. BRANDNER | DRAFTER: LGF



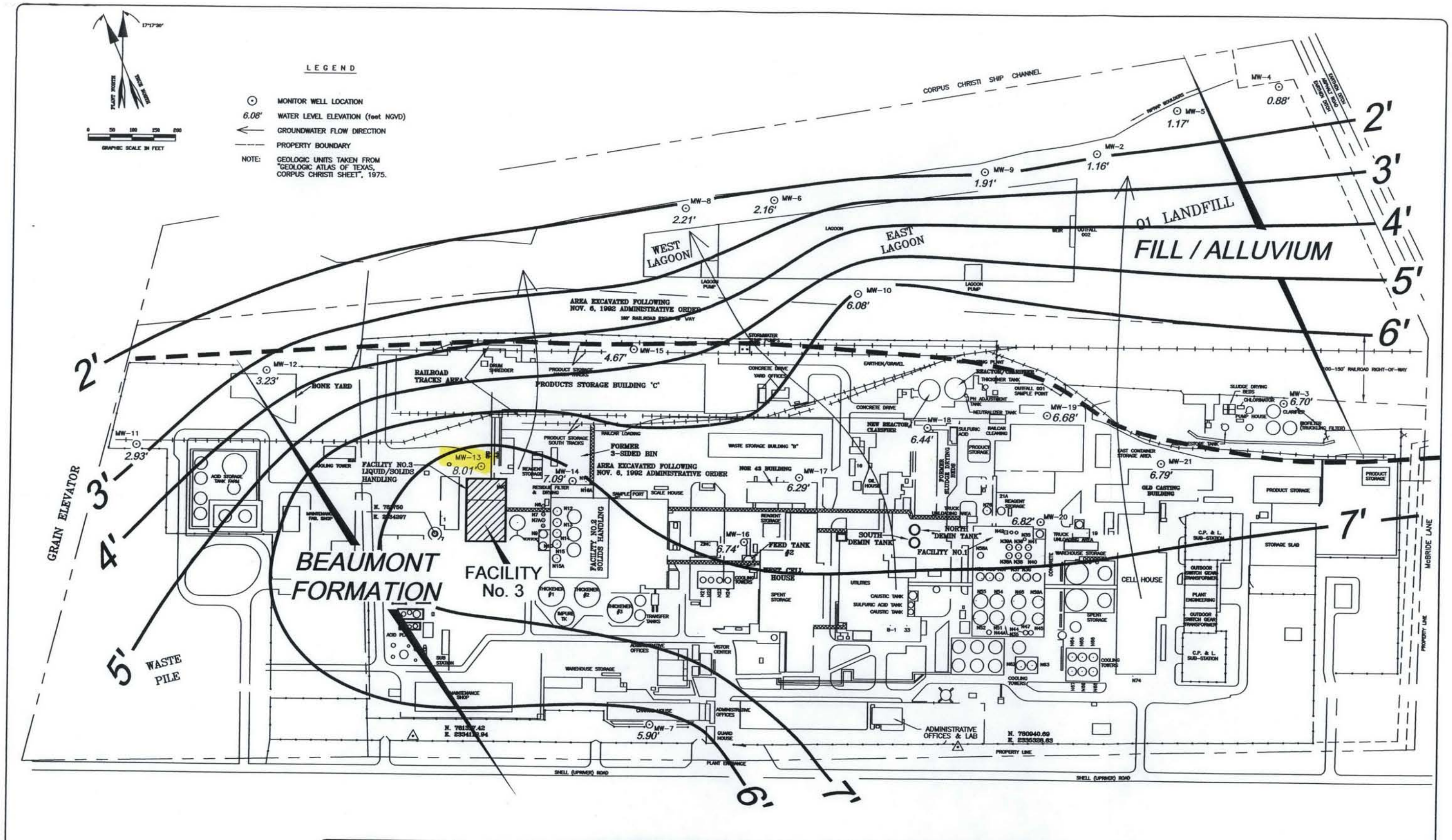
LEGEND

- SOIL BORING LOCATION
- PERMITTED AREA
- TANK ON FIRST FLOOR (GROUND LEVEL)
- TANK ON SECOND FLOOR (2nd)
- FILTER ON SECOND OR THIRD FLOOR (2nd/3rd)

FACILITY No. 3 BUILDING PLAN VIEW

ENCYCLE/TEXAS INC.
CORPUS CHRISTI, TEXAS

FIGURE 2



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.: C0000007.0001	FILE NO:
DRAWING: VT2-02-FAC3	PLOT SIZE: 1=1200
DRAFTED BY:	DATE: 23MAR04
CHECKED BY:	DATE:
APPROVED BY:	DATE:

WATER TABLE MAP
FEBRUARY 11, 2002

ENCYCLE/TEXAS, INC.
CORPUS CHRISTI, TEXAS

FIGURE
3

APPENDICES

APPENDIX A

ARCADIS

Appendix A

Unit Descriptions

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

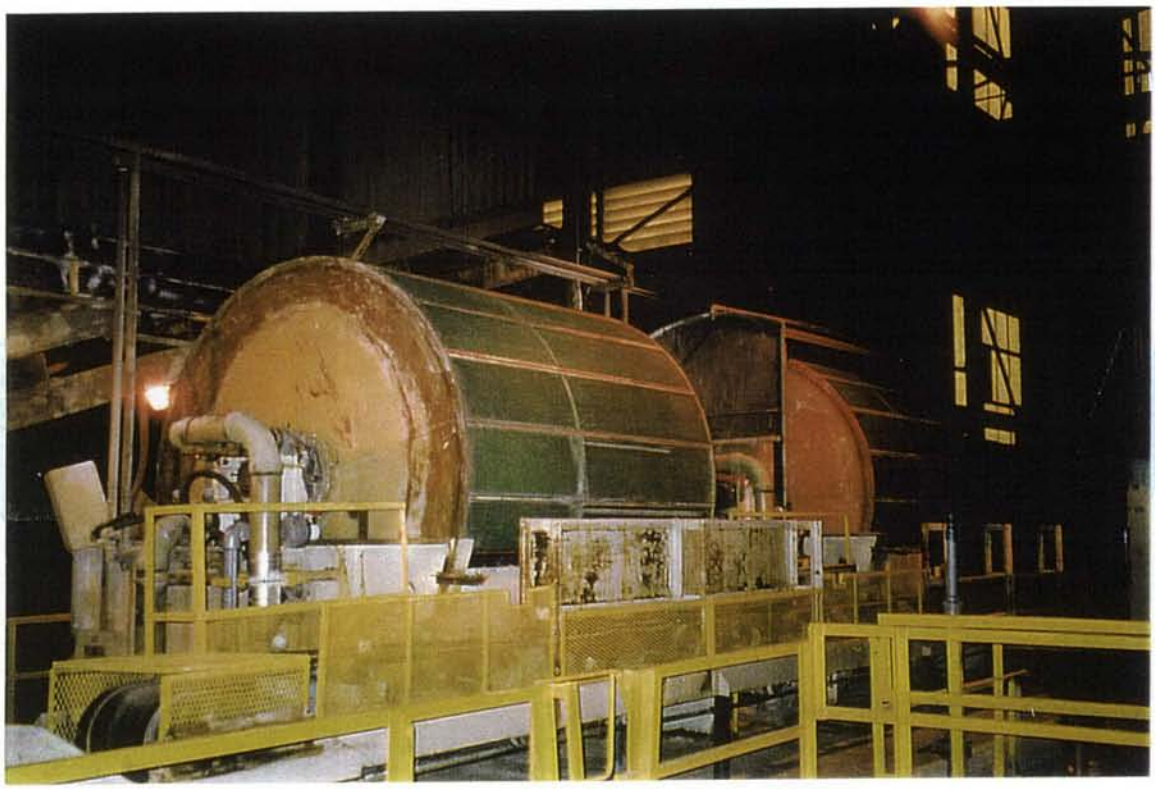
CONSENT DECREE REF. No.[1]	FAC. No.	ENCYCLE NAME	EQUIPMENT No.	HISTORIC USE	TRANSITIONAL DECON	FINAL CLOSURE
	PH	Demin O'flow Tank	225001	Storm Water	Y[3]	Y
T-171	PH	Demin Tank North	226020	Reclaim Storm Water	Y[3]	Y
T-172	PH	Demin Tank South	226022	Reclaim Storm Water	Y[3]	Y
F-1	1	48" Press	215030	Reclaim 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

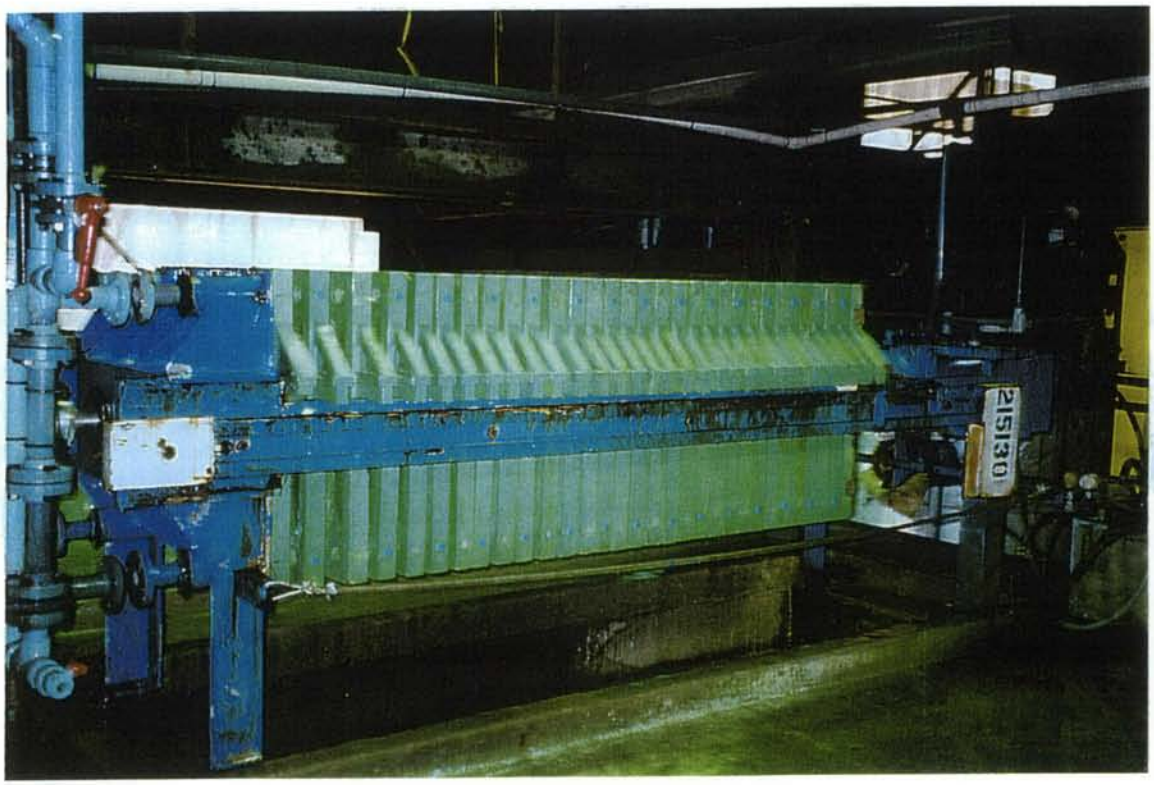
ARCADIS

Appendix B

Site Photographs

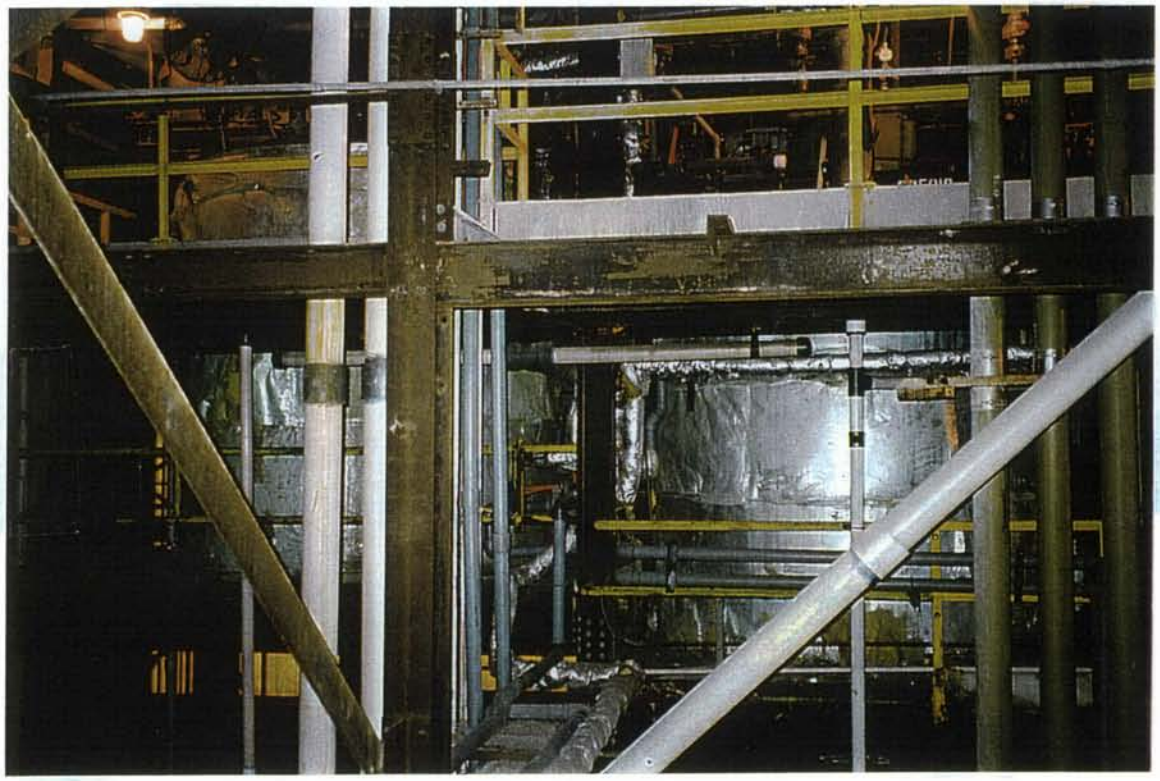


Photograph No. 1. Facility 3 Drum Filter 235028, view facing southwest. Drum Filter 235027 in background. Photograph taken by K. Brandner, January 20, 2004.

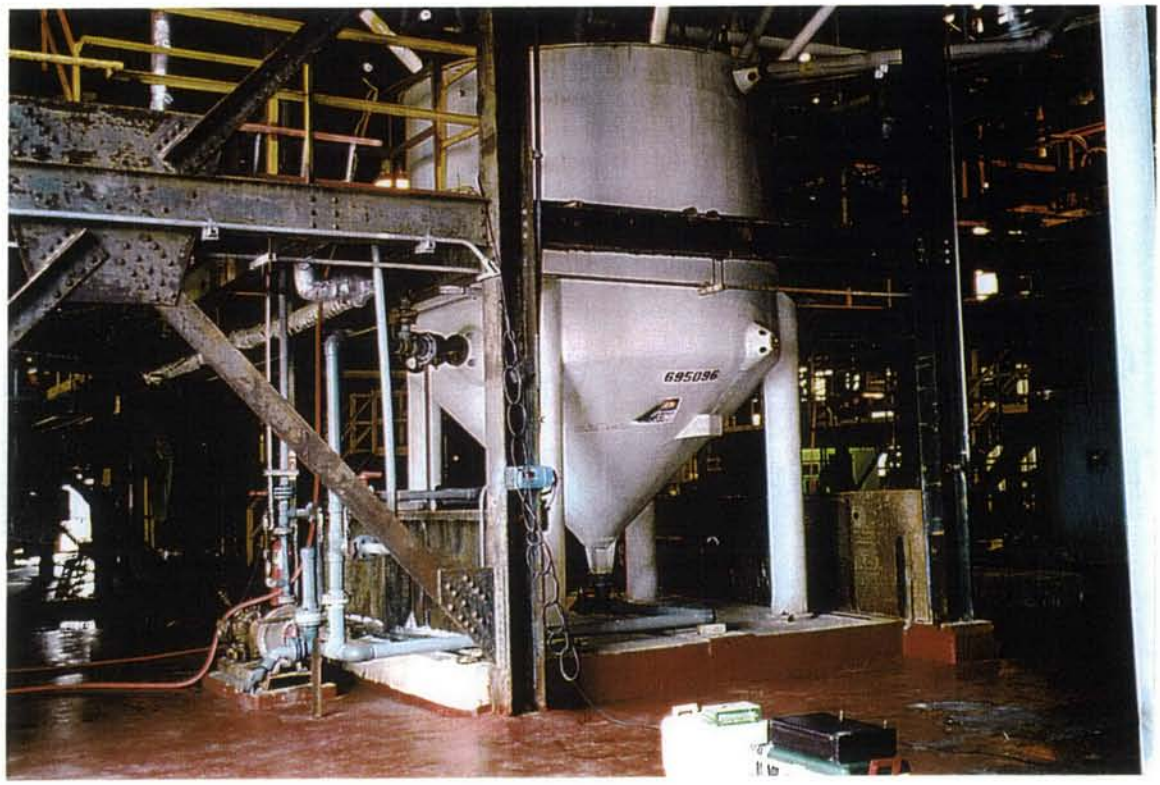


Photograph No. 2. Facility 3 Filter Press 215130, view facing southeast. Photograph taken by K. Brandner, January 13, 2004.

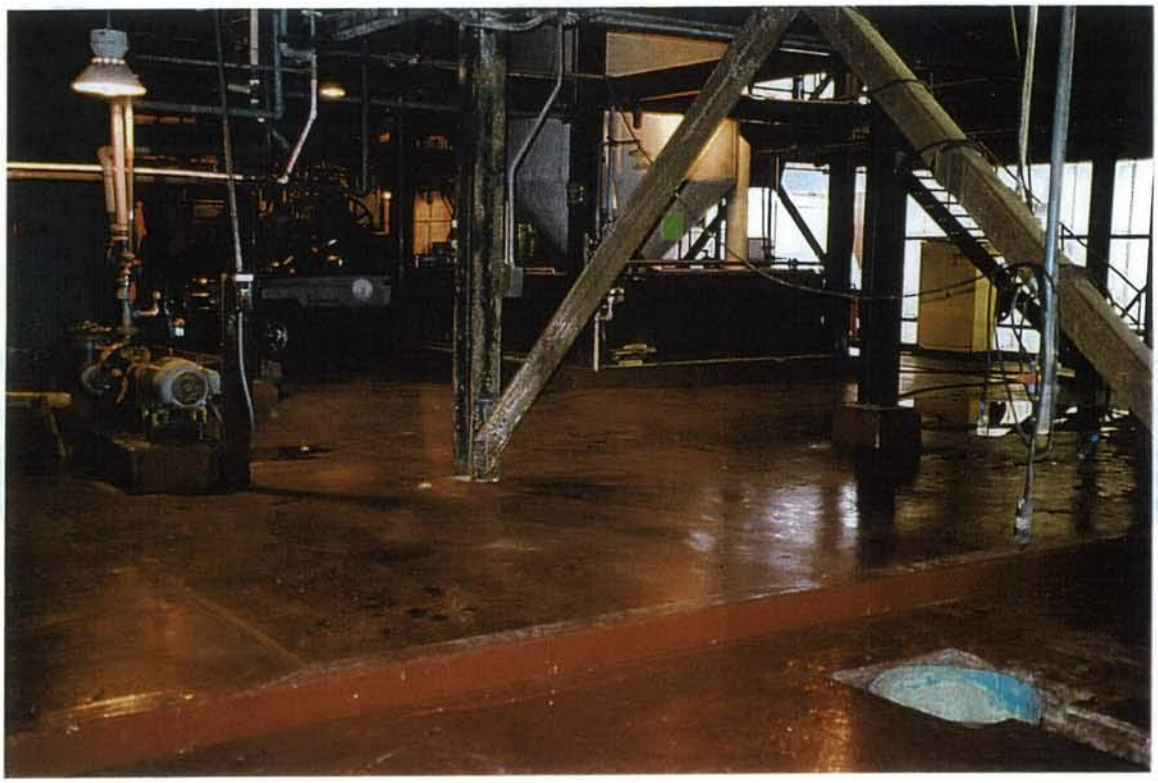
Photograph No. 3. Facility 3 Tank 695005, view facing south. Non-permitted floor in foreground. Photograph taken by K. Brandner, January 20, 2004.



Photograph No. 4. Facility 3 Tank 695018 (right side of photo) and Tank 695017 (left side of photo), view facing north. Photograph taken by K. Brandner, January 13, 2004.



Photograph No. 5. Facility 3 Tank 695096, view facing southwest. Photograph taken by K. Brandner, January 20, 2004.



Photograph No. 6. Facility 3 non-permitted floor near Crack 3, view facing northeast. Tank 695096 in background. Photograph taken by K. Brandner, January 20, 2004.

APPENDIX C

ARCADIS

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

ARCADIS

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

ARCADIS

Appendix E

Laboratory Reports – Rinse Water Samples

SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 222619

Prepared For:

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

Attention: Ken Brandner

Date: 01/19/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

1/19/04
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: 01/19/2004

Job Number.: 222619
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE TEXAS TRUST FUND
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222619-1	DRUM FILTER 235028	Water	01/09/2004	15:00	01/09/2004	16:45
222619-2	DRUM FILTER 235027	Water	01/09/2004	15:15	01/09/2004	16:45
222619-3	TANK 695018	Water	01/09/2004	15:45	01/09/2004	16:45
222619-4	TANK 695019	Water	01/09/2004	16:10	01/09/2004	16:45
222619-5	TANK 695017	Water	01/09/2004	16:25	01/09/2004	16:45
222619-6	TANK 695016	Water	01/09/2004	16:35	01/09/2004	16:45

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: DRUM FILTER 235028
Date Sampled.....: 01/09/2004
Time Sampled.....: 15:00
Sample Matrix.....: Water

Laboratory Sample ID: 222619-1
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	1.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.21	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: DRUM FILTER 235027
Date Sampled.....: 01/09/2004
Time Sampled.....: 15:15
Sample Matrix.....: Water

Laboratory Sample ID: 222619-2
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.1	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.07	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.14	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695018
Date Sampled.....: 01/09/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 222619-3
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.04	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695019
Date Sampled.....: 01/09/2004
Time Sampled.....: 16:10
Sample Matrix.....: Water

Laboratory Sample ID: 222619-4
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.05	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695017
Date Sampled.....: 01/09/2004
Time Sampled.....: 16:25
Sample Matrix.....: Water

Laboratory Sample ID: 222619-5
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.07	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.04	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222619

Date: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695016
Date Sampled.....: 01/09/2004
Time Sampled.....: 16:35
Sample Matrix.....: Water

Laboratory Sample ID: 222619-6
Date Received.....: 01/09/2004
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	01/14/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Barium (Ba), Total	0.1	0.01	mg/L	01/13/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.13	0.01	mg/L	01/13/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Lead (Pb), Total	0.06	0.01	mg/L	01/13/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/13/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/13/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/12/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619

Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 7470A
Method Description.: Mercury (CVAA)
Parameter.....: Mercury (Hg)

Batch.....: 89033
Units.....: mg/L

Analyst...: edr
Test Code.: HG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M011404HG	0.00546		0.005000		109.2	%	90-110	01/14/2004	1459
ICB			-0.000285							01/14/2004	1502
LCS		M011404LG	0.00476		0.0050		95.2	%	85-115	01/14/2004	1506
MB			-0.000067							01/14/2004	1508
MS	222609-8	M011404HG	0.00491		0.005000	-0.000209	102.4	%	85-115	01/14/2004	1525
MSD	222609-8	M011404HG	0.00499	0.00491	0.005000	-0.000209	104.0	%	85-115	01/14/2004	1526
							1.6	R	20		
CCV		M011404HG	0.00471		0.005000		94.2	%	80-120	01/14/2004	1530
CCB			-0.000004							01/14/2004	1533
CCV		M011404HG	0.00456		0.005000		91.2	%	80-120	01/14/2004	1554
CCB			0.000008							01/14/2004	1557

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Arsenic (As)

Batch.....: 88993
Units.....: mg/L

Analyst...: jem
Test Code.: AS

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.99812982		2.00		99.9	%	90-110	01/13/2004	0912
ICV		M0368	1.04183108		1.00		104.2	%	90-110	01/13/2004	0930
ICV		M0356	1.05727883		1.00		105.7	%	90-110	01/13/2004	0945
ICB			-0.0043822							01/13/2004	1003
ICB			-0.0038206							01/13/2004	1016
CCV		M0379	0.99827846		1.00		99.8	%	90-110	01/13/2004	1021
CCB			-0.0032141							01/13/2004	1032
MB		3010	-0.0037949							01/13/2004	1106
LCS		M348	0.44337400		0.500		88.7	%	85-110	01/13/2004	1119
CCV		M0379	1.01388549		1.00		101.4	%	90-110	01/13/2004	1128
CCB			0.01316026							01/13/2004	1143
MD	222636-2		-0.0013691			0.00343485	0.00480395	A	0.0100000	01/13/2004	1147
MS	222636-2	M348	0.55820234		0.500	0.00343485	111.0	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.57790905	0.55820234	0.500	0.00343485	114.9	%	75-125	01/13/2004	1201
							3.5	R	20		
CCV		M0379	0.97174770		1.00		97.2	%	90-110	01/13/2004	1235
CCB			-0.0060712							01/13/2004	1246
MB		3010.	-0.0026079							01/13/2004	1324
CCV		M0379	0.97485503		1.00		97.5	%	90-110	01/13/2004	1328
CCB			0.00133351							01/13/2004	1339
CCB			-0.0016314							01/13/2004	1343
MS	222607-1	M348	0.54128335		0.500	-0.0007369	108.4	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.52190440	0.54128335	0.500	-0.0007369	104.5	%	75-125	01/13/2004	1400
							3.6	R	20		
CCV		M0379	0.97702999		1.00		97.7	%	90-110	01/13/2004	1428
CCB			0.00186610							01/13/2004	1439
CCB			-0.0033795							01/13/2004	1443
CCV		M0379	0.96897690		1.00		96.9	%	90-110	01/13/2004	1524
CCB			0.00300696							01/13/2004	1539
CCV		M0379	0.97966164		1.00		98.0	%	90-110	01/13/2004	1601
CCB			0.00117118							01/13/2004	1616

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619 Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 88993 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	2.00503975		2.00		100.3	%	90-110	01/13/2004	0912
ICV		M0369	0.97743301		1.00		97.7	%	90-110	01/13/2004	0936
ICB			-0.0001635							01/13/2004	1003
ICB			-0.0002586							01/13/2004	1016
CCV		M0379	0.99632149		1.00		99.6	%	90-110	01/13/2004	1021
CCB			-0.0002905							01/13/2004	1032
MB		3010	-0.0000206							01/13/2004	1106
LCS		M348	0.50008283		0.500		100.0	%	90-110	01/13/2004	1119
CCV		M0379	0.96764795		1.00		96.8	%	90-110	01/13/2004	1128
CCB			0.00384101							01/13/2004	1143
MD	222636-2		0.02098088			0.01127988	0.00970100	A	0.0100000	01/13/2004	1147
MS	222636-2	M348	0.48632728		0.500	0.01127988	95.0	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.50883997	0.48632728	0.500	0.01127988	99.5	%	75-125	01/13/2004	1201
							4.5	R	20		
CCV		M0379	0.95527118		1.00		95.5	%	90-110	01/13/2004	1235
CCB			-0.0000232							01/13/2004	1246
		3010.	0.00017206							01/13/2004	1324
.V		M0379	0.96721764		1.00		96.7	%	90-110	01/13/2004	1328
CCB			-0.0005192							01/13/2004	1339
CCB			-0.0000708							01/13/2004	1343
MS	222607-1	M348	0.57003611		0.500	0.08607400	96.8	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.55457456	0.57003611	0.500	0.08607400	93.7	%	75-125	01/13/2004	1400
							2.7	R	20		
CCV		M0379	0.96525263		1.00		96.5	%	90-110	01/13/2004	1428
CCB			-0.0000181							01/13/2004	1439
CCB			-0.0001227							01/13/2004	1443
CCV		M0379	0.96693060		1.00		96.7	%	90-110	01/13/2004	1524
CCB			0.00002258							01/13/2004	1539
CCV		M0379	0.97328838		1.00		97.3	%	90-110	01/13/2004	1601
CCB			-0.0000629							01/13/2004	1616

Test Method.....: SW-846 6010B Batch.....: 88993 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	2.00308452		2.00		100.2	%	90-110	01/13/2004	0912
ICV		M0368	1.00291843		1.00		100.3	%	90-110	01/13/2004	0930
ICV		M0356	1.00355028		1.00		100.4	%	90-110	01/13/2004	0945
ICB			-0.0000639							01/13/2004	1003
ICB			0.00006995							01/13/2004	1016
CCV		M0379	0.98964311		1.00		99.0	%	90-110	01/13/2004	1021
CCB			0.00005642							01/13/2004	1032
MB		3010	0.00038591							01/13/2004	1106
LCS		M348	0.47886615		0.500		95.8	%	87-110	01/13/2004	1119
CCV		M0379	0.91550109		1.00		91.6	%	90-110	01/13/2004	1128
CCB			0.00043501							01/13/2004	1143
MD	222636-2		0.00190217			0.00277954	0.00087737	A	0.0100000	01/13/2004	1147
	222636-2	M348	0.45693280		0.500	0.00277954	90.8	%	75-125	01/13/2004	1155
J	222636-2	M348	0.47849504	0.45693280	0.500	0.00277954	95.1	%	75-125	01/13/2004	1201
							4.6	R	20		

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619 Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 88993 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		M0379	0.92929140		1.00		92.9	%	90-110	01/13/2004	1235
CCB			0.00001441							01/13/2004	1246
MB		3010.	-0.0000571							01/13/2004	1324
CCV		M0379	0.94471513		1.00		94.5	%	90-110	01/13/2004	1328
CCB			-0.0000127							01/13/2004	1339
CCB			0.00013328							01/13/2004	1343
MS	222607-1	M348	0.47247583		0.500	-0.0001470	94.5	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.45211183	0.47247583	0.500	-0.0001470	90.5	%	75-125	01/13/2004	1400
							4.4	R	20		
CCV		M0379	0.94101148		1.00		94.1	%	90-110	01/13/2004	1428
CCB			0.00005942							01/13/2004	1439
CCB			0.00012964							01/13/2004	1443
CCV		M0379	0.94134960		1.00		94.1	%	90-110	01/13/2004	1524
CCB			0.00015980							01/13/2004	1539
CCV		M0379	0.95181876		1.00		95.2	%	90-110	01/13/2004	1601
CCB			-0.0000387							01/13/2004	1616

Test Method.....: SW-846 6010B Batch.....: 88993 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	2.00558199		2.00		100.3	%	90-110	01/13/2004	0912
ICV		M0368	1.00730007		1.00		100.7	%	90-110	01/13/2004	0930
ICV		M0356	1.01741691		1.00		101.7	%	90-110	01/13/2004	0945
ICB			-0.0009661							01/13/2004	1003
ICB			0.00000627							01/13/2004	1016
CCV		M0379	0.98945012		1.00		98.9	%	90-110	01/13/2004	1021
CCB			0.00020192							01/13/2004	1032
MB		3010	-0.0005382							01/13/2004	1106
LCS		M348	0.49073674		0.500		98.1	%	90-110	01/13/2004	1119
CCV		M0379	0.94231341		1.00		94.2	%	90-110	01/13/2004	1128
CCB			0.00070587							01/13/2004	1143
MD	222636-2		0.15946563			0.08371782	62.3	R	20	01/13/2004	1147
MS	222636-2	M348	0.56161790		0.500	0.08371782	95.6	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.58941803	0.56161790	0.500	0.08371782	101.1	%	75-125	01/13/2004	1201
							4.8	R	20		
CCV		M0379	0.94916347		1.00		94.9	%	90-110	01/13/2004	1235
CCB			-0.0003419							01/13/2004	1246
MB		3010.	0.00025970							01/13/2004	1324
CCV		M0379	0.96368869		1.00		96.4	%	90-110	01/13/2004	1328
CCB			0.00009592							01/13/2004	1339
CCB			0.00034063							01/13/2004	1343
MS	222607-1	M348	0.49556498		0.500	0.00239021	98.6	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.47906094	0.49556498	0.500	0.00239021	95.3	%	75-125	01/13/2004	1400
							3.4	R	20		
CCV		M0379	0.96068662		1.00		96.1	%	90-110	01/13/2004	1428
CCB			-0.0002521							01/13/2004	1439
CB			-0.0001147							01/13/2004	1443
CV		M0379	0.96393697		1.00		96.4	%	90-110	01/13/2004	1524
CCB			0.00020402							01/13/2004	1539

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619 Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 88993 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		M0379	0.97005186		1.00		97.0	%	90-110	01/13/2004	1601
CCB			0.00040582							01/13/2004	1616

Test Method.....: SW-846 6010B Batch.....: 88993 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	2.02398095		2.00		101.2	%	90-110	01/13/2004	0912
ICV		M0368	1.02815972		1.00		102.8	%	90-110	01/13/2004	0930
ICV		M0356	1.03348223		1.00		103.3	%	90-110	01/13/2004	0945
ICB			-0.0012686							01/13/2004	1003
ICB			-0.0000120							01/13/2004	1016
CCV		M0379	0.99556517		1.00		99.6	%	90-110	01/13/2004	1021
CCB			-0.0018692							01/13/2004	1032
[illegible]		3010	-0.0001225							01/13/2004	1106
LCS		M348	0.48730557		0.500		97.5	%	87-112	01/13/2004	1119
CCV		M0379	0.93437450		1.00		93.4	%	90-110	01/13/2004	1128
CCB			-0.0052816							01/13/2004	1143
MD	222636-2		-0.0009841			0.00157826	0.00256236	A	0.0100000	01/13/2004	1147
MS	222636-2	M348	0.45410135		0.500	0.00157826	90.5	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.46856675	0.45410135	0.500	0.00157826	93.4	%	75-125	01/13/2004	1201
							3.1	R	20		
CCV		M0379	0.94190061		1.00		94.2	%	90-110	01/13/2004	1235
CCB			-0.0008945							01/13/2004	1246
MB		3010.	-0.0007912							01/13/2004	1324
CCV		M0379	0.96232161		1.00		96.2	%	90-110	01/13/2004	1328
CCB			-0.0005352							01/13/2004	1339
CCB			-0.0000974							01/13/2004	1343
MS	222607-1	M348	0.46958494		0.500	0.00079793	93.8	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.44659111	0.46958494	0.500	0.00079793	89.2	%	75-125	01/13/2004	1400
							5.0	R	20		
CCV		M0379	0.95079435		1.00		95.1	%	90-110	01/13/2004	1428
CCB			-0.0003194							01/13/2004	1439
CCB			-0.0001449							01/13/2004	1443
CCV		M0379	0.94695220		1.00		94.7	%	90-110	01/13/2004	1524
CCB			-0.0002460							01/13/2004	1539
CCV		M0379	0.95401611		1.00		95.4	%	90-110	01/13/2004	1601
CCB			-0.0012515							01/13/2004	1616

Test Method.....: SW-846 6010B Batch.....: 88993 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	2.01216953		2.00		100.6	%	90-110	01/13/2004	0912
[illegible]		M0368	0.99603627		1.00		99.6	%	90-110	01/13/2004	0930
[illegible]		M0356	1.00732287		1.00		100.7	%	90-110	01/13/2004	0945
ICB			0.01224350							01/13/2004	1003

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619 Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 88993 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
ICB			0.00771678							01/13/2004	1016
CCV		M0379	0.98028941		1.00		98.0	%	90-110	01/13/2004	1021
CCB			0.00558434							01/13/2004	1032
MB		3010	0.01137100							01/13/2004	1106
LCS		M348	0.47296818		0.500		94.6	%	82-111	01/13/2004	1119
CCV		M0379	0.94487958		1.00		94.5	%	90-110	01/13/2004	1128
CCB			-0.0163532							01/13/2004	1143
MD	222636-2		-0.0402358			-0.0290683	0.0111675	A	0.0100000	01/13/2004	1147
MS	222636-2	M348	0.47843228		0.500	-0.0290683	101.5	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.49092719	0.47843228	0.500	-0.0290683	104.0	%	75-125	01/13/2004	1201
							2.6	R	20		
CCV		M0379	0.95150666		1.00		95.2	%	90-110	01/13/2004	1235
CCB			0.01295245							01/13/2004	1246
MB		3010.	0.00091984							01/13/2004	1324
CCV		M0379	0.95613042		1.00		95.6	%	90-110	01/13/2004	1328
CCB			-0.0054455							01/13/2004	1339
CB			0.00038678							01/13/2004	1343
S	222607-1	M348	0.46376107		0.500	-0.0306195	98.9	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.44985477	0.46376107	0.500	-0.0306195	96.1	%	75-125	01/13/2004	1400
							3.0	R	20		
CCV		M0379	0.94756958		1.00		94.8	%	90-110	01/13/2004	1428
CCB			0.00271703							01/13/2004	1439
CCB			0.00129717							01/13/2004	1443
CCV		M0379	0.95089048		1.00		95.1	%	90-110	01/13/2004	1524
CCB			0.00121093							01/13/2004	1539
CCV		M0379	0.95659064		1.00		95.7	%	90-110	01/13/2004	1601
CCB			0.00674702							01/13/2004	1616

Test Method.....: SW-846 6010B Batch.....: 88993 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	0.99788010		1.0		99.8	%	90-110	01/13/2004	0912
ICV		M0369	1.00626518		1.00		100.6	%	90-110	01/13/2004	0936
ICB			0.00027026							01/13/2004	1003
ICB			0.00043923							01/13/2004	1016
CCV		M0379	0.48776553		0.50		97.6	%	90-110	01/13/2004	1021
CCB			0.00093444							01/13/2004	1032
MB		3010	0.00102818							01/13/2004	1106
LCS		M348	0.24540242		0.25		98.2	%	87-110	01/13/2004	1119
CCV		M0379	0.48123808		0.50		96.2	%	90-110	01/13/2004	1128
CCB			0.00016965							01/13/2004	1143
MD	222636-2		-0.0011297			-0.0008955	0.0002342	A	0.0050000	01/13/2004	1147
MS	222636-2	M348	0.16704063		0.25	-0.0008955	67.2	%	75-125	01/13/2004	1155
MSD	222636-2	M348	0.15791462	0.16704063	0.25	-0.0008955	63.5	%	75-125	01/13/2004	1201
							5.6	R	20		
CCV		M0379	0.48567646		0.50		97.1	%	90-110	01/13/2004	1235
CB			0.00063207							01/13/2004	1246
		3010.	0.00029613							01/13/2004	1324
CCV		M0379	0.49315917		0.50		98.6	%	90-110	01/13/2004	1328

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222619

Report Date.: 01/19/2004

CUSTOMER: Encycle Texas, Inc.

PROJECT: ENCYCLE TEXAS TRUST FUND

ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Silver (Ag)

Batch.....: 88993
Units.....: mg/L

Analyst...: jem
Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0001814							01/13/2004	1339
CCB			-0.0000107							01/13/2004	1343
MS	222607-1	M348	0.04327791		0.25	-0.0014569	17.9	%	75-125	01/13/2004	1354
MSD	222607-1	M348	0.01232727	0.04327791	0.25	-0.0014569	5.5	%	75-125	01/13/2004	1400
							111.3	R	20		
CCV		M0379	0.49080765		0.50		98.2	%	90-110	01/13/2004	1428
CCB			0.00012272							01/13/2004	1439
CCB			0.00041637							01/13/2004	1443
CCV		M0379	0.49066929		0.50		98.1	%	90-110	01/13/2004	1524
CCB			0.00006479							01/13/2004	1539
CCV		M0379	0.49454568		0.50		98.9	%	90-110	01/13/2004	1601
CCB			0.00102288							01/13/2004	1616

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

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SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/19/2004

(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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/19/2004

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.

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A..CADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Texas Trust Fund

Project Location: Encycle, Corpus Christi, TX

Laboratory: STL

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner/ARCADIS

0.5°C temp blank

222619

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total As, Ba, Cd, Cr, Pb, Hg, Se, Silver (1 pt. poly w/ HNO_3)						Remarks	Total
Drum Filter 235028	L	1/9/04 15:00		1							1
Drum Filter 235027	L	15:15		1							1
Tank 695018	L	15:45		1							1
Tank 695019	L	16:10		1							1
Tank 695017	L	16:25		1							1
Tank 695016	L	16:35		1							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 6

Relinquished by: Kenneth Brandner	Organization: AR CADIS	Date 1/9/04	Time 1645	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CC	Date 1/9/04	Time 1645	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandner ARCADIS & Rich Marcus Encycle. Invoice to Rich Marcus of Encycle. Samples delivered on ice in cooler.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

SEVERN TRENT STL

RECEIVED
JAN 30 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 222665

Prepared For:

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

Attention: Ken Brandner

Date: 01/28/2004

Signature

Date 1/28/04

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 17

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 01/28/2004

Job Number.: 222665
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE TEXAS TRUST FUND
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222665-1	PRESS 215130	Water	01/13/2004	16:00	01/13/2004	17:01
222665-2	TANK 695005	Water	01/13/2004	16:25	01/13/2004	17:01

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222665

Date: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: PRESS 215130
Date Sampled.....: 01/13/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 222665-1
Date Received.....: 01/13/2004
Time Received.....: 17:01

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	01/16/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.08	0.01	mg/L	01/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	01/17/04	jem
SW-846 6010B	Chromium (Cr), Total	0.01	0.01	mg/L	01/17/04	jem
SW-846 6010B	Lead (Pb), Total	0.05	0.01	mg/L	01/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/17/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/14/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222665

Date: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695005
Date Sampled.....: 01/13/2004
Time Sampled.....: 16:25
Sample Matrix.....: Water

Laboratory Sample ID: 222665-2
Date Received.....: 01/13/2004
Time Received.....: 17:01

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	01/16/04	edr
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	01/17/04	jem
SW-846 6010B	Barium (Ba), Total	0.1	0.01	mg/L	01/17/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.07	0.01	mg/L	01/17/04	jem
SW-846 6010B	Chromium (Cr), Total	0.02	0.01	mg/L	01/17/04	jem
SW-846 6010B	Lead (Pb), Total	0.05	0.01	mg/L	01/17/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/17/04	jem
'-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/17/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/14/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 7470A | Batch.....: 89120 | 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		M011604HG	0.00506		0.005000		101.2	%	90-110	01/16/2004	1712
ICB			-0.000021							01/16/2004	1715
LCS		M011604HG	0.00457		0.005000		91.4	%	85-115	01/16/2004	1720
MB			-0.000365							01/16/2004	1722
CCV		M011604HG	0.00501		0.005000		100.2	%	80-120	01/16/2004	1742
CCB			0.000063							01/16/2004	1746
MS	222684-1	M011604HG	0.00468		0.005000	-0.000106	95.7	%	85-115	01/16/2004	1752
MSD	222684-1	M011604HG	0.00436	0.00468	0.005000	-0.000106	89.3	%	85-115	01/16/2004	1754
							7.1	R	20		
CCV		M011604HG	0.00450		0.005000		90.0	%	80-120	01/16/2004	1811
CCB			0.000106							01/16/2004	1814

Test Method.....: SW-846 6010B | Batch.....: 89127 | 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	2.00543842		2.00		100.3	%	90-110	01/16/2004	1658
ICV		M0368	1.05452595		1.00		105.5	%	90-110	01/16/2004	1716
ICV		M0356	1.02481140		1.00		102.5	%	90-110	01/16/2004	1731
ICB			-0.0051354							01/16/2004	1803
ICB			-0.0017677							01/16/2004	1815
CCV		M0379	0.98254120		1.00		98.3	%	90-110	01/16/2004	1821
CCB			-0.0045085							01/16/2004	1836
CCV		M0379	0.99252825		1.00		99.3	%	90-110	01/16/2004	1933
CCB			-0.0059330							01/16/2004	1944
CCV		M0379	0.99666113		1.00		99.7	%	90-110	01/16/2004	2027
CCB			-0.0093948							01/16/2004	2041
CCV		M0379	1.00207425		1.00		100.2	%	90-110	01/16/2004	2131
CCB			-0.0017229							01/16/2004	2146
MB		3010	-0.0021984							01/16/2004	2200
LCS		M348	0.42877453		0.500		85.8	%	85-110	01/16/2004	2207
MS	222642-1	M348	0.62741668		0.500	0.01029210	123.4	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.62762796	0.62741668	0.500	0.01029210	123.5	%	75-125	01/16/2004	2228
							0.0	R	20		
CCV		M0379	1.01489354		1.00		101.5	%	90-110	01/16/2004	2239
CCB			-0.0058420							01/16/2004	2253
MB		3010	-0.0070015							01/16/2004	2319
LCS		M348	0.44322354		0.500		88.6	%	85-110	01/16/2004	2326
CCV		M0379	1.01501986		1.00		101.5	%	90-110	01/16/2004	2341
CCB			-0.0077723							01/16/2004	2355
MS	222654-2	M348	0.60580882		0.500	0.00220809	120.7	%	75-125	01/16/2004	2359
MSD	222654-2	M348	0.61309335	0.60580882	0.500	0.00220809	122.2	%	75-125	01/17/2004	0004
							1.2	R	20		
CCV		M0379	1.01008208		1.00		101.0	%	90-110	01/17/2004	0044
CCB			-0.0042900							01/17/2004	0058
MB		3010	0.00304028							01/17/2004	0120
LCS		M348	0.44354215		0.500		88.7	%	85-110	01/17/2004	0127
		M0379	1.00881708		1.00		100.9	%	90-110	01/17/2004	0141
			0.00210101							01/17/2004	0156
MS	222684-1	M348	0.57436195		0.500	-0.0049869	115.9	%	75-125	01/17/2004	0229

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665 Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89127 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	222684-1	M348	0.56929793	0.57436195	0.500	-0.0049869	114.9	%	75-125	01/17/2004	0234
							0.9	R	20		
CCV		M0379	0.99176087		1.00		99.2	%	90-110	01/17/2004	0240
CCB			0.00044000							01/17/2004	0254
MB		3010	-0.0022860							01/17/2004	0322
CCV		M0379	1.00386704		1.00		100.4	%	90-110	01/17/2004	0344
CCB			-0.0011954							01/17/2004	0358
MB		3010	0.00090079							01/17/2004	0433
LCS		M348	0.42790555		0.500		85.6	%	85-110	01/17/2004	0440
CCV		M0379	1.01056413		1.00		101.1	%	90-110	01/17/2004	0451
CCB			-0.0040887							01/17/2004	0505
MS	222695-4	M348	0.59522241		0.500	0.00687885	117.7	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.59225204	0.59522241	0.500	0.00687885	117.1	%	75-125	01/17/2004	0522
							0.5	R	20		
MB		3050	-0.0063547							01/17/2004	0548
CCV		M0379	1.04560847		1.00		104.6	%	90-110	01/17/2004	0555
CCB			-0.0079765							01/17/2004	0609
LCS		M348	0.58615081		0.500		117.2	%	80-120	01/17/2004	0613
MS	222714-9	M348	0.66073333		0.500	0.10817473	110.5	%	75-125	01/17/2004	0628
MSD	222714-9	M348	0.69210539	0.66073333	0.500	0.10817473	116.8	%	75-125	01/17/2004	0634
							4.6	R	20		
CCV		M0379	1.02835007		1.00		102.8	%	90-110	01/17/2004	0701
CCB			-0.0025339							01/17/2004	0715
CCV		M0379	1.04012295		1.00		104.0	%	90-110	01/17/2004	0748
CCB			0.00433552							01/17/2004	0753

Test Method.....: SW-846 6010B Batch.....: 89127 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	2.01743514		2.00		100.9	%	90-110	01/16/2004	1658
ICV		M0369	1.01824303		1.00		101.8	%	90-110	01/16/2004	1722
ICV		M0369	0.97978454		1.00		98.0	%	90-110	01/16/2004	1739
ICB			-0.0005312							01/16/2004	1803
ICB			0.00032416							01/16/2004	1815
CCV		M0379	0.99224644		1.00		99.2	%	90-110	01/16/2004	1821
CCB			-0.0003475							01/16/2004	1836
CCV		M0379	0.99698885		1.00		99.7	%	90-110	01/16/2004	1933
CCB			-0.0000761							01/16/2004	1944
CCV		M0379	0.99775782		1.00		99.8	%	90-110	01/16/2004	2027
CCB			-0.0005305							01/16/2004	2041
CCV		M0379	0.99706270		1.00		99.7	%	90-110	01/16/2004	2131
CCB			-0.0005606							01/16/2004	2146
MB		3010	0.00002040							01/16/2004	2200
LCS		M348	0.51132963		0.500		102.3	%	90-110	01/16/2004	2207
MS	222642-1	M348	0.62265503		0.500	0.10484930	103.6	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.61856049	0.62265503	0.500	0.10484930	102.7	%	75-125	01/16/2004	2228
							0.7	R	20		
		M0379	0.99742290		1.00		99.7	%	90-110	01/16/2004	2239
CCB			-0.0005920							01/16/2004	2253

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665 Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89127 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
MB		3010	-0.0007886							01/16/2004	2319
LCS		M348	0.52158440		0.500		104.3	%	90-110	01/16/2004	2326
CCV		M0379	0.98965709		1.00		99.0	%	90-110	01/16/2004	2341
CCB			-0.0008049							01/16/2004	2355
MS	222654-2	M348	0.55684800		0.500	0.06303205	98.8	%	75-125	01/16/2004	2359
MSD	222654-2	M348	0.56868760	0.55684800	0.500	0.06303205	101.1	%	75-125	01/17/2004	0004
							2.1	R	20		
CCV		M0379	0.99049845		1.00		99.0	%	90-110	01/17/2004	0044
CCB			-0.0008827							01/17/2004	0058
MB		3010	-0.0005690							01/17/2004	0120
LCS		M348	0.50709315		0.500		101.4	%	90-110	01/17/2004	0127
CCV		M0379	0.97551266		1.00		97.6	%	90-110	01/17/2004	0141
CCB			-0.0010170							01/17/2004	0156
MS	222684-1	M348	0.51585321		0.500	0.02664448	97.8	%	75-125	01/17/2004	0229
MSD	222684-1	M348	0.50948441	0.51585321	0.500	0.02664448	96.6	%	75-125	01/17/2004	0234
							1.2	R	20		
[illegible]		M0379	0.97945457		1.00		97.9	%	90-110	01/17/2004	0240
[illegible]			-0.0009247							01/17/2004	0254
MB		3010	-0.0008371							01/17/2004	0322
CCV		M0379	0.97402934		1.00		97.4	%	90-110	01/17/2004	0344
CCB			-0.0011975							01/17/2004	0358
MB		3010	-0.0010537							01/17/2004	0433
LCS		M348	0.50863761		0.500		101.7	%	90-110	01/17/2004	0440
CCV		M0379	0.98053071		1.00		98.1	%	90-110	01/17/2004	0451
CCB			-0.0008628							01/17/2004	0505
MS	222695-4	M348	0.55563296		0.500	0.04507733	102.1	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.54849385	0.55563296	0.500	0.04507733	100.7	%	75-125	01/17/2004	0522
							1.3	R	20		
MB		3050	0.00023251							01/17/2004	0548
CCV		M0379	0.97833186		1.00		97.8	%	90-110	01/17/2004	0555
CCB			-0.0000104							01/17/2004	0609
LCS		M348	0.56767384		0.500		113.5	%	80-120	01/17/2004	0613
MS	222714-9	M348	2.66692531		0.500	2.37384755	58.6	%	75-125	01/17/2004	0628
MSD	222714-9	M348	2.86567056	2.66692531	0.500	2.37384755	98.4	%	75-125	01/17/2004	0634
							7.2	R	20		
PDS	222714-9	M348C	3.20501801		1.00	2.37384755	83.1	%	75-125	01/17/2004	0640
PSD	222714-9	M348C	3.17846532	3.20501801	1.00	2.37384755	80.5	%	75-125	01/17/2004	0646
							0.8	R	20		
CCV		M0379	0.98134032		1.00		98.1	%	90-110	01/17/2004	0701
CCB			0.00049928							01/17/2004	0715
CCV		M0379	0.97497244		1.00		97.5	%	90-110	01/17/2004	0748
CCB			0.00108198							01/17/2004	0753

Test Method.....: SW-846 6010B Batch.....: 89127 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
		M0370	2.01573631		2.00		100.8	%	90-110	01/16/2004	1658
		M0368	1.00479914		1.00		100.5	%	90-110	01/16/2004	1716
ICV		M0356	0.97886781		1.00		97.9	%	90-110	01/16/2004	1731

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Cadmium (Cd)

Batch.....: 89127
Units.....: mg/L

Analyst...: jem
Test Code.: CD

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICB			0.00042488							01/16/2004	1803
ICB			0.00043044							01/16/2004	1815
CCV		M0379	0.97947691		1.00		97.9	%	90-110	01/16/2004	1821
CCB			0.00009683							01/16/2004	1836
CCV		M0379	0.99037767		1.00		99.0	%	90-110	01/16/2004	1933
CCB			0.00039359							01/16/2004	1944
CCV		M0379	0.99171210		1.00		99.2	%	90-110	01/16/2004	2027
CCB			0.00030805							01/16/2004	2041
CCV		M0379	0.97786325		1.00		97.8	%	90-110	01/16/2004	2131
CCB			0.00044703							01/16/2004	2146
MB		3010	0.00113031							01/16/2004	2200
LCS		M348	0.49484980		0.500		99.0	%	87-110	01/16/2004	2207
MS	222642-1	M348	0.54744059		0.500	0.00025420	109.4	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.54450047	0.54744059	0.500	0.00025420	108.8	%	75-125	01/16/2004	2228
							0.5	R	20		
CCV		M0379	0.98974504		1.00		99.0	%	90-110	01/16/2004	2239
3			0.00039010							01/16/2004	2253
		3010	0.00010287							01/16/2004	2319
LCS		M348	0.51407383		0.500		102.8	%	87-110	01/16/2004	2326
CCV		M0379	0.98850048		1.00		98.9	%	90-110	01/16/2004	2341
CCB			0.00008440							01/16/2004	2355
MS	222654-2	M348	0.52034363		0.500	0.00006042	104.1	%	75-125	01/16/2004	2359
MSD	222654-2	M348	0.53197483	0.52034363	0.500	0.00006042	106.4	%	75-125	01/17/2004	0004
							2.2	R	20		
CCV		M0379	0.98846045		1.00		98.8	%	90-110	01/17/2004	0044
CCB			0.00035701							01/17/2004	0058
MB		3010	0.00040158							01/17/2004	0120
LCS		M348	0.49908644		0.500		99.8	%	87-110	01/17/2004	0127
CCV		M0379	0.96997513		1.00		97.0	%	90-110	01/17/2004	0141
CCB			0.00035582							01/17/2004	0156
MS	222684-1	M348	0.50251527		0.500	0.00004893	100.5	%	75-125	01/17/2004	0229
MSD	222684-1	M348	0.49193064	0.50251527	0.500	0.00004893	98.4	%	75-125	01/17/2004	0234
							2.1	R	20		
CCV		M0379	0.97708446		1.00		97.7	%	90-110	01/17/2004	0240
CCB			0.00022984							01/17/2004	0254
MB		3010	0.00051881							01/17/2004	0322
CCV		M0379	0.96838789		1.00		96.8	%	90-110	01/17/2004	0344
CCB			0.00015299							01/17/2004	0358
MB		3010	0.00022640							01/17/2004	0433
LCS		M348	0.50278545		0.500		100.6	%	87-110	01/17/2004	0440
CCV		M0379	0.97797295		1.00		97.8	%	90-110	01/17/2004	0451
CCB			-0.0000066							01/17/2004	0505
MS	222695-4	M348	0.53017887		0.500	0.01292458	103.5	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.52472790	0.53017887	0.500	0.01292458	102.4	%	75-125	01/17/2004	0522
							1.0	R	20		
MB		3050	-0.0001255							01/17/2004	0548
CCV		M0379	0.93985618		1.00		94.0	%	90-110	01/17/2004	0555
CCB			0.00073205							01/17/2004	0609
LCS		M348	0.50451845		0.500		100.9	%	85-110	01/17/2004	0613
MS	222714-9	M348	0.46250689		0.500	0.01031711	90.4	%	75-125	01/17/2004	0628
`	222714-9	M348	0.43517538	0.46250689	0.500	0.01031711	85.0	%	75-125	01/17/2004	0634
							6.1	R	20		
CCV		M0379	0.92070684		1.00		92.1	%	90-110	01/17/2004	0701

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Cadmium (Cd)
Batch.....: 89127
Units.....: mg/L
Analyst...: jem
Test Code.: CD

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00241190							01/17/2004	0715
CCV		M0379	0.92959500		1.00		93.0	%	90-110	01/17/2004	0748
CCB			0.00283160							01/17/2004	0753

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Chromium (Cr)
Batch.....: 89127
Units.....: mg/L
Analyst...: jem
Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	2.01192981		2.00		100.6	%	90-110	01/16/2004	1658
ICV		M0368	1.00138686		1.00		100.1	%	90-110	01/16/2004	1716
ICV		M0356	0.98455852		1.00		98.5	%	90-110	01/16/2004	1731
ICB			0.00041461							01/16/2004	1803
ICB			-0.0000018							01/16/2004	1815
V		M0379	0.98032020		1.00		98.0	%	90-110	01/16/2004	1821
3			-0.0001725							01/16/2004	1836
CCV		M0379	0.98665581		1.00		98.7	%	90-110	01/16/2004	1933
CCB			-0.0000597							01/16/2004	1944
CCV		M0379	0.98747861		1.00		98.7	%	90-110	01/16/2004	2027
CCB			-0.0004035							01/16/2004	2041
CCV		M0379	0.99048775		1.00		99.0	%	90-110	01/16/2004	2131
CCB			-0.0001256							01/16/2004	2146
MB		3010	0.00016051							01/16/2004	2200
LCS		M348	0.50417726		0.500		100.8	%	90-110	01/16/2004	2207
MS	222642-1	M348	0.52355128		0.500	0.00486775	103.7	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.51920613	0.52355128	0.500	0.00486775	102.9	%	75-125	01/16/2004	2228
							0.8	R	20		
CCV		M0379	0.99083445		1.00		99.1	%	90-110	01/16/2004	2239
CCB			0.00003653							01/16/2004	2253
MB		3010	0.00059874							01/16/2004	2319
LCS		M348	0.50647365		0.500		101.3	%	90-110	01/16/2004	2326
CCV		M0379	0.97363690		1.00		97.4	%	90-110	01/16/2004	2341
CCB			0.00096120							01/16/2004	2355
MS	222654-2	M348	0.56634485		0.500	0.04911643	103.4	%	75-125	01/16/2004	2359
MSD	222654-2	M348	0.58039138	0.56634485	0.500	0.04911643	106.3	%	75-125	01/17/2004	0004
							2.4	R	20		
CCV		M0379	0.97981380		1.00		98.0	%	90-110	01/17/2004	0044
CCB			0.00066969							01/17/2004	0058
MB		3010	0.00038968							01/17/2004	0120
LCS		M348	0.49815986		0.500		99.6	%	90-110	01/17/2004	0127
CCV		M0379	0.97049203		1.00		97.0	%	90-110	01/17/2004	0141
CCB			0.00003625							01/17/2004	0156
MS	222684-1	M348	0.51483145		0.500	0.00045274	102.9	%	75-125	01/17/2004	0229
MSD	222684-1	M348	0.50819625	0.51483145	0.500	0.00045274	101.5	%	75-125	01/17/2004	0234
							1.3	R	20		
CCV		M0379	0.97617737		1.00		97.6	%	90-110	01/17/2004	0240
CCB			0.00253364							01/17/2004	0254
MB		3010	0.00051351							01/17/2004	0322
V		M0379	0.96746505		1.00		96.7	%	90-110	01/17/2004	0344
3			-0.0000143							01/17/2004	0358
MB		3010	-0.0001530							01/17/2004	0433

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89127 | 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
LCS		M348	0.50506805		0.500		101.0	%	90-110	01/17/2004	0440
CCV		M0379	0.98343623		1.00		98.3	%	90-110	01/17/2004	0451
CCB			-0.0000140							01/17/2004	0505
MS	222695-4	M348	0.50722195		0.500	0.00482794	100.5	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.50297675	0.50722195	0.500	0.00482794	99.6	%	75-125	01/17/2004	0522
							0.8	R	20		
MB		3050	-0.0007569							01/17/2004	0548
CCV		M0379	0.95134139		1.00		95.1	%	90-110	01/17/2004	0555
CCB			0.00127086							01/17/2004	0609
LCS		M348	0.50151412		0.500		100.3	%	89-110	01/17/2004	0613
MS	222714-9	M348	0.63237936		0.500	0.13057733	100.4	%	75-125	01/17/2004	0628
MSD	222714-9	M348	0.60629619	0.63237936	0.500	0.13057733	95.1	%	75-125	01/17/2004	0634
							4.2	R	20		
CCV		M0379	0.96146520		1.00		96.1	%	90-110	01/17/2004	0701
CCB			0.00001966							01/17/2004	0715
CCV		M0379	0.95958227		1.00		96.0	%	90-110	01/17/2004	0748
CCB			0.00356939							01/17/2004	0753

Test Method.....: SW-846 6010B | Batch.....: 89127 | 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	2.01829760		2.00		100.9	%	90-110	01/16/2004	1658
ICV		M0368	1.03927929		1.00		103.9	%	90-110	01/16/2004	1716
ICV		M0356	1.01808493		1.00		101.8	%	90-110	01/16/2004	1731
ICB			-0.0009086							01/16/2004	1803
ICB			-0.0002400							01/16/2004	1815
CCV		M0379	0.98847864		1.00		98.8	%	90-110	01/16/2004	1821
CCB			0.00061006							01/16/2004	1836
CCV		M0379	1.00524644		1.00		100.5	%	90-110	01/16/2004	1933
CCB			-0.0005924							01/16/2004	1944
CCV		M0379	1.00716762		1.00		100.7	%	90-110	01/16/2004	2027
CCB			0.00031556							01/16/2004	2041
CCV		M0379	1.00709839		1.00		100.7	%	90-110	01/16/2004	2131
CCB			0.00141148							01/16/2004	2146
MB		3010	0.00202644							01/16/2004	2200
LCS		M348	0.52942688		0.500		105.9	%	87-112	01/16/2004	2207
MS	222642-1	M348	0.51348835		0.500	0.00400024	101.9	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.51013680	0.51348835	0.500	0.00400024	101.2	%	75-125	01/16/2004	2228
							0.7	R	20		
CCV		M0379	1.01902225		1.00		101.9	%	90-110	01/16/2004	2239
CCB			0.00050081							01/16/2004	2253
MB		3010	0.00033998							01/16/2004	2319
LCS		M348	0.53749814		0.500		107.5	%	87-112	01/16/2004	2326
CCV		M0379	1.01616024		1.00		101.6	%	90-110	01/16/2004	2341
CCB			-0.0008871							01/16/2004	2355
MS	222654-2	M348	0.51070568		0.500	0.00272432	101.6	%	75-125	01/16/2004	2359
[illegible]	222654-2	M348	0.52057260	0.51070568	0.500	0.00272432	103.6	%	75-125	01/17/2004	0004
							1.9	R	20		
CCV		M0379	1.01205729		1.00		101.2	%	90-110	01/17/2004	0044

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Lead (Pb)

Batch.....: 89127
Units.....: mg/L

Analyst...: jem
Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000475							01/17/2004	0058
MB		3010	-0.0008648							01/17/2004	0120
LCS		M348	0.53515616		0.500		107.0	%	87-112	01/17/2004	0127
CCV		M0379	1.00968101		1.00		101.0	%	90-110	01/17/2004	0141
CCB			0.00014973							01/17/2004	0156
MS	222684-1	M348	0.49638363		0.500	0.00318870	98.6	%	75-125	01/17/2004	0229
MSD	222684-1	M348	0.49272265	0.49638363	0.500	0.00318870	97.9	%	75-125	01/17/2004	0234
							0.7	R	20		
CCV		M0379	1.00596027		1.00		100.6	%	90-110	01/17/2004	0240
CCB			0.00193401							01/17/2004	0254
MB		3010	0.00259078							01/17/2004	0322
CCV		M0379	1.00391167		1.00		100.4	%	90-110	01/17/2004	0344
CCB			0.00199134							01/17/2004	0358
MB		3010	0.00220828							01/17/2004	0433
LCS		M348	0.53135826		0.500		106.3	%	87-112	01/17/2004	0440
CCV		M0379	1.01694322		1.00		101.7	%	90-110	01/17/2004	0451
3			0.00214080							01/17/2004	0505
	222695-4	M348	0.50974501		0.500	0.00628259	100.7	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.50032696	0.50974501	0.500	0.00628259	98.8	%	75-125	01/17/2004	0522
							1.9	R	20		
MB		3050	0.00303537							01/17/2004	0548
CCV		M0379	1.01393282		1.00		101.4	%	90-110	01/17/2004	0555
CCB			0.00091565							01/17/2004	0609
LCS		M348	0.56951751		0.500		113.9	%	80-120	01/17/2004	0613
MS	222714-9	M348	0.76651910		0.500	0.26143436	101.0	%	75-125	01/17/2004	0628
MSD	222714-9	M348	0.68135258	0.76651910	0.500	0.26143436	84.0	%	75-125	01/17/2004	0634
							11.8	R	20		
CCV		M0379	1.00158226		1.00		100.2	%	90-110	01/17/2004	0701
CCB			0.00462981							01/17/2004	0715
CCV		M0379	1.00424532		1.00		100.4	%	90-110	01/17/2004	0748
CCB			0.00660550							01/17/2004	0753

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)

Batch.....: 89127
Units.....: mg/L

Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.99657221		2.00		99.8	%	90-110	01/16/2004	1658
ICV		M0368	0.98890397		1.00		98.9	%	90-110	01/16/2004	1716
ICV		M0356	0.94948423		1.00		94.9	%	90-110	01/16/2004	1731
ICB			0.00638960							01/16/2004	1803
ICB			0.00119240							01/16/2004	1815
CCV		M0379	0.96744413		1.00		96.7	%	90-110	01/16/2004	1821
CCB			-0.0082791							01/16/2004	1836
CCV		M0379	0.96719972		1.00		96.7	%	90-110	01/16/2004	1933
CCB			0.00142697							01/16/2004	1944
CCV		M0379	0.97101126		1.00		97.1	%	90-110	01/16/2004	2027
CCB			0.00568435							01/16/2004	2041
'		M0379	0.96549825		1.00		96.5	%	90-110	01/16/2004	2131
			-0.0097118							01/16/2004	2142
MB		3010	-0.0093253							01/16/2004	2200

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)

Batch.....: 89127
Units.....: mg/L

Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M348	0.50795199		0.500		101.6	%	82-111	01/16/2004	2207
MS	222642-1	M348	0.50397944		0.500	0.00235279	100.3	%	75-125	01/16/2004	2222
MSD	222642-1	M348	0.50438937	0.50397944	0.500	0.00235279	100.4	%	75-125	01/16/2004	2228
							0.1	R	20		
CCV		M0379	0.99124960		1.00		99.1	%	90-110	01/16/2004	2239
CCB			0.00366102							01/16/2004	2253
MB		3010	0.00811382							01/16/2004	2319
LCS		M348	0.50525603		0.500		101.1	%	82-111	01/16/2004	2326
CCV		M0379	0.98725676		1.00		98.7	%	90-110	01/16/2004	2341
CCB			-0.0008270							01/16/2004	2355
MS	222654-2	M348	0.55154446		0.500	-0.0198319	114.3	%	75-125	01/16/2004	2359
MSD	222654-2	M348	0.54277529	0.55154446	0.500	-0.0198319	112.5	%	75-125	01/17/2004	0004
							1.6	R	20		
CCV		M0379	0.99868951		1.00		99.9	%	90-110	01/17/2004	0044
CCB			0.00791269							01/17/2004	0058
MB		3010	-0.0008854							01/17/2004	0120
`S		M348	0.50406538		0.500		100.8	%	82-111	01/17/2004	0127
.V		M0379	0.99222440		1.00		99.2	%	90-110	01/17/2004	0141
CCB			-0.0078356							01/17/2004	0156
MS	222684-1	M348	0.50402625		0.500	-0.0000809	100.8	%	75-125	01/17/2004	0229
MSD	222684-1	M348	0.50338898	0.50402625	0.500	-0.0000809	100.7	%	75-125	01/17/2004	0234
							0.1	R	20		
CCV		M0379	0.98603690		1.00		98.6	%	90-110	01/17/2004	0240
CCB			0.00238092							01/17/2004	0254
MB		3010	-0.0022931							01/17/2004	0322
CCV		M0379	0.99386491		1.00		99.4	%	90-110	01/17/2004	0344
CCB			-0.0060905							01/17/2004	0358
MB		3010	-0.0013462							01/17/2004	0433
LCS		M348	0.49181560		0.500		98.4	%	82-111	01/17/2004	0440
CCV		M0379	1.00613678		1.00		100.6	%	90-110	01/17/2004	0451
CCB			-0.0064850							01/17/2004	0505
MS	222695-4	M348	0.51494194		0.500	-0.0161400	106.2	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.49380388	0.51494194	0.500	-0.0161400	102.0	%	75-125	01/17/2004	0522
							4.2	R	20		
MB		3050	0.00450525							01/17/2004	0548
CCV		M0379	1.05399749		1.00		105.4	%	90-110	01/17/2004	0555
CCB			-0.0001995							01/17/2004	0609
LCS		M348	0.55787382		0.500		111.6	%	80-120	01/17/2004	0613
MS	222714-9	M348	0.43027862		0.500	-0.0487972	95.8	%	75-125	01/17/2004	0628
MSD	222714-9	M348	0.42605305	0.43027862	0.500	-0.0487972	95.0	%	75-125	01/17/2004	0634
							1.0	R	20		
CCV		M0379	1.02523716		1.00		102.5	%	90-110	01/17/2004	0701
CCB			0.00428725							01/17/2004	0715
CCV		M0379	1.03919159		1.00		103.9	%	90-110	01/17/2004	0748
CCB			0.00414113							01/17/2004	0753

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222665 Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89127 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	1.02005460		1.0		102.0	%	90-110	01/16/2004	1658
ICV		M0369	1.07959361		1.00		108.0	%	90-110	01/16/2004	1722
ICV		M0369	1.04347610		1.00		104.3	%	90-110	01/16/2004	1739
ICB			-0.0015365							01/16/2004	1803
ICB			-0.0003434							01/16/2004	1815
CCV		M0379	0.50110500		0.50		100.2	%	90-110	01/16/2004	1821
CCB			-0.0010241							01/16/2004	1836
CCV		M0379	0.50476647		0.50		101.0	%	90-110	01/16/2004	1933
CCB			-0.0005706							01/16/2004	1944
CCV		M0379	0.50574164		0.50		101.1	%	90-110	01/16/2004	2027
CCB			-0.0020393							01/16/2004	2041
CCV		M0379	0.50005220		0.50		100.0	%	90-110	01/16/2004	2131
CCB			-0.0010912							01/16/2004	2146
MB		3010	-0.0001624							01/16/2004	2200
LCS		M348	0.25900903		0.25		103.6	%	87-110	01/16/2004	2207
CCV		M0379	0.50723085		0.50		101.4	%	90-110	01/16/2004	2239
^CB			-0.0015409							01/16/2004	2253
3		3010	-0.0016853							01/16/2004	2319
LCS		M348	0.26840690		0.25		107.4	%	87-110	01/16/2004	2326
CCV		M0379	0.50831335		0.50		101.7	%	90-110	01/16/2004	2341
CCB			-0.0006062							01/16/2004	2355
CCV		M0379	0.50685492		0.50		101.4	%	90-110	01/17/2004	0044
CCB			-0.0012627							01/17/2004	0058
MB		3010	-0.0031223							01/17/2004	0120
LCS		M348	0.24649644		0.25		98.6	%	87-110	01/17/2004	0127
CCV		M0379	0.50394619		0.50		100.8	%	90-110	01/17/2004	0141
CCB			-0.0014809							01/17/2004	0156
CCV		M0379	0.50630287		0.50		101.3	%	90-110	01/17/2004	0240
CCB			-0.0019399							01/17/2004	0254
MB		3010	-0.0002883							01/17/2004	0322
CCV		M0379	0.50776070		0.50		101.6	%	90-110	01/17/2004	0344
CCB			-0.0010012							01/17/2004	0358
MB		3010	0.00010134							01/17/2004	0433
LCS		M348	0.26468016		0.25		105.9	%	87-110	01/17/2004	0440
CCV		M0379	0.51166503		0.50		102.3	%	90-110	01/17/2004	0451
CCB			-0.0018125							01/17/2004	0505
MS	222695-4	M348	0.25790607		0.25	-0.0030397	104.4	%	75-125	01/17/2004	0517
MSD	222695-4	M348	0.25538210	0.25790607	0.25	-0.0030397	103.4	%	75-125	01/17/2004	0522
							1.0	R	20		
MB		3050	-0.0011901							01/17/2004	0548
CCV		M0379	0.50684458		0.50		101.4	%	90-110	01/17/2004	0555
CCB			-0.0006744							01/17/2004	0609
LCS		M348	0.26984488		0.25		107.9	%	81-110	01/17/2004	0613
MS	222714-9	M348	0.25528410		0.25	-0.0012093	102.6	%	75-125	01/17/2004	0628
MSD	222714-9	M348	0.24141776	0.25528410	0.25	-0.0012093	97.1	%	75-125	01/17/2004	0634
							5.6	R	20		
CCV		M0379	0.50212094		0.50		100.4	%	90-110	01/17/2004	0701
CCB			-0.0005573							01/17/2004	0715
CCV		M0379	0.49983616		0.50		100.0	%	90-110	01/17/2004	0748
CCB			-0.0004215							01/17/2004	0753

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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/28/2004

(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

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SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/28/2004

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.

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ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle Texas Trust Fund

Project Location: Encycle, Facility #3

Laboratory: STL Corpus Christi

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner/ARCADIS

13.8°C
Just sampled
222665

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag (1 pt. poly w/HNO3)						Remarks	Total
Press 215130	L	1/13/04 16:00		1							1
Tank 695005	L	↓ 16:25		1							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 2

Relinquished by: Ken Brandner	Organization: ARCADIS	Date 1/13/04	Time 1701	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-C	Date 1/13/04	Time 1701	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal Turnaround, results to Ken Brandner and Rick Marcus. Invoice to Rick Marcus. Samples delivered in cooler with ice.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

SEVERN TRENT STL

RECEIVED
JAN 30 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 222744

Prepared For:

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

Attention: Ken Brandner

Date: 01/28/2004

Signature

Date 1/28/04

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 16

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 01/28/2004

Job Number.: 222744
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE TEXAS TRUST FUND
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222744-1	DRUM FILTER 235028	Water	01/16/2004	15:45	01/16/2004	16:50
222744-2	FAC.3 FLOOR NE END	Water	01/16/2004	16:15	01/16/2004	16:50
222744-3	FAC.3 FLOOR S END	Water	01/16/2004	16:35	01/16/2004	16:50

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222744

Date: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: DRUM FILTER 235028
Date Sampled.....: 01/16/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 222744-1
Date Received.....: 01/16/2004
Time Received.....: 16:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/19/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222744

Date: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FAC.3 FLOOR NE END
Date Sampled.....: 01/16/2004
Time Sampled.....: 16:15
Sample Matrix.....: Water

Laboratory Sample ID: 222744-2
Date Received.....: 01/16/2004
Time Received.....: 16:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	01/23/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 6010B	Barium (Ba), Total	0.09	0.01	mg/L	01/20/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.11	0.01	mg/L	01/20/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 6010B	Lead (Pb), Total	0.10	0.01	mg/L	01/20/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/20/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/19/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222744

Date: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FAC.3 FLOOR S END
Date Sampled.....: 01/16/2004
Time Sampled.....: 16:35
Sample Matrix.....: Water

Laboratory Sample ID: 222744-3
Date Received.....: 01/16/2004
Time Received.....: 16:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7470A	Mercury (Hg), Total	<0.002	0.002	mg/L	01/23/04	edr
SW-846 6010B	Arsenic (As), Total	0.02	0.01	mg/L	01/20/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	01/20/04	jem
SW-846 6010B	Cadmium (Cd), Total	0.02	0.01	mg/L	01/20/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 6010B	Lead (Pb), Total	0.13	0.01	mg/L	01/20/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/20/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/20/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/19/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 7470A | Batch.....: 89364 | 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		M012304HG	0.00477		0.005000		95.4	%	90-110	01/23/2004	1416
ICB			-0.000080							01/23/2004	1420
LCS		M012304LG	0.00505		0.0050		101.0	%	85-115	01/23/2004	1423
MB			-0.000054							01/23/2004	1425
MS	222759-2	M012304HG	0.00473		0.005000	-0.000016	94.9	%	85-115	01/23/2004	1437
MSD	222759-2	M012304HG	0.00484	0.00473	0.005000	-0.000016	97.1	%	85-115	01/23/2004	1439
							2.3	R	20		
CCV		M012304HG	0.00483		0.005000		96.6	%	80-120	01/23/2004	1450
CCB			-0.000001							01/23/2004	1453
CCV		M012304HG	0.00480		0.005000		96.0	%	80-120	01/23/2004	1514
CCB			0.000028							01/23/2004	1518
LCS		M012304HG	0.00497		0.005000		99.4	%	85-115	01/23/2004	1520
MB			-0.000057							01/23/2004	1521
MS	222801-1	M012304HG	0.00502		0.005000	-0.000044	101.3	%	85-115	01/23/2004	1527
MSD	222801-1	M012304HG	0.00479	0.00502	0.005000	-0.000044	96.7	%	85-115	01/23/2004	1528
							4.7	R	20		
CCV		M012304HG	0.00466		0.005000		93.2	%	80-120	01/23/2004	1535
CB			-0.000031							01/23/2004	1539

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	1.99438989		2.00		99.7	%	90-110	01/20/2004	1550
ICV		M0368	1.06805262		1.00		106.8	%	90-110	01/20/2004	1608
ICV		M0356	1.08673714		1.00		108.7	%	90-110	01/20/2004	1623
ICB			-0.0069699							01/20/2004	1644
ICB			-0.0018761							01/20/2004	1657
CCV		M0379	1.05057652		1.00		105.1	%	90-110	01/20/2004	1700
CCB			-0.0017438							01/20/2004	1706
CCB			-0.0035967							01/20/2004	1711
MB		3010.	-0.0001968							01/20/2004	1807
LCS		M348	0.44904981		0.500		89.8	%	85-110	01/20/2004	1810
MS	222765-1	M348	0.56124397		0.500	-0.0011389	112.5	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.53461654	0.56124397	0.500	-0.0011389	107.2	%	75-125	01/20/2004	1846
							4.9	R	20		
CCV		M0379	1.03721312		1.00		103.7	%	90-110	01/20/2004	1852
CCB			-0.0055438							01/20/2004	1858
MB		3010	-0.0047671							01/20/2004	1941
CCV		M0379	1.03152857		1.00		103.2	%	90-110	01/20/2004	1948
CCB			-0.0020819							01/20/2004	2003
MS	222722-2	M348	0.57289377		0.500	0.01608484	111.4	%	75-125	01/20/2004	2035
MSD	222722-2	M348	0.53763402	0.57289377	0.500	0.01608484	104.3	%	75-125	01/20/2004	2041
							6.4	R	20		
CCV		M0379	1.04439087		1.00		104.4	%	90-110	01/20/2004	2051
CCB			-0.0026781							01/20/2004	2056
MB		3050	-0.0069287							01/20/2004	2131
LCS		M348	0.52941712		0.500		105.9	%	85-110	01/20/2004	2139
CV		M0379	1.02757252		1.00		102.8	%	90-110	01/20/2004	2149
CB			-0.0045664							01/20/2004	2200

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744 Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89213 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	222745-1	M348	0.50458116		0.500	0.01901253	97.1	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.52325346	0.50458116	0.500	0.01901253	100.8	%	75-125	01/20/2004	2217
							3.6	R	20		
CCV		M0379	1.02378372		1.00		102.4	%	90-110	01/20/2004	2250
CCB			-0.0079466							01/20/2004	2305
CCB			-0.0014971							01/20/2004	2352
CCB			-0.0028923							01/21/2004	0001
MS	222746-22	M348	0.60107428		0.500	0.04380741	111.5	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.60544799	0.60107428	0.500	0.04380741	112.3	%	75-125	01/21/2004	0036
							0.7	R	20		
CCV		M0379	1.03003846		1.00		103.0	%	90-110	01/21/2004	0045
CCB			-0.0036222							01/21/2004	0051

Test Method.....: SW-846 6010B Batch.....: 89213 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	1.99743478		2.00		99.9	%	90-110	01/20/2004	1550
ICV		M0369	1.00411576		1.00		100.4	%	90-110	01/20/2004	1614
ICB			-0.0022417							01/20/2004	1644
ICB			-0.0018784							01/20/2004	1657
CCV		M0379	1.06191967		1.00		106.2	%	90-110	01/20/2004	1700
CCB			-0.0018272							01/20/2004	1706
CCB			-0.0020687							01/20/2004	1711
MB		3010.	-0.0013166							01/20/2004	1807
LCS		M348	0.50879519		0.500		101.8	%	90-110	01/20/2004	1810
MS	222765-1	M348	0.57941674		0.500	0.07439443	101.0	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.55691092	0.57941674	0.500	0.07439443	96.5	%	75-125	01/20/2004	1846
							4.0	R	20		
CCV		M0379	1.03896181		1.00		103.9	%	90-110	01/20/2004	1852
CCB			-0.0018534							01/20/2004	1858
MB		3010	-0.0017763							01/20/2004	1941
CCV		M0379	1.04065111		1.00		104.1	%	90-110	01/20/2004	1948
CCB			-0.0020220							01/20/2004	2003
MS	222722-2	M348	0.58264542		0.500	0.04354560	107.8	%	75-125	01/20/2004	2035
MSD	222722-2	M348	0.52859209	0.58264542	0.500	0.04354560	97.0	%	75-125	01/20/2004	2041
							9.7	R	20		
CCV		M0379	1.04209226		1.00		104.2	%	90-110	01/20/2004	2051
CCB			-0.0019421							01/20/2004	2056
CCV		M0379	1.05831070		1.00		105.8	%	90-110	01/20/2004	2149
CCB			-0.0014717							01/20/2004	2200
MS	222745-1	M348	3.27880507		0.500	2.71079103	113.6	%	75-125	01/20/2004	2211
MSD	222745-1	M348	3.07687953	3.27880507	0.500	2.71079103	73.2	%	75-125	01/20/2004	2217
							6.4	R	20		
CCV		M0379	1.04208113		1.00		104.2	%	90-110	01/20/2004	2250
CCB			-0.0009780							01/20/2004	2305
CCB			-0.0011192							01/20/2004	2352
CCB			-0.0011526							01/21/2004	0001
CCV		M0379	1.03941331		1.00		103.9	%	90-110	01/21/2004	0045
CCB			-0.0013349							01/21/2004	0051

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	1.98704016		2.00		99.4	%	90-110	01/20/2004	1550
ICV		M0368	1.03381017		1.00		103.4	%	90-110	01/20/2004	1608
ICV		M0356	1.03703456		1.00		103.7	%	90-110	01/20/2004	1623
ICB			-0.0001956							01/20/2004	1644
ICB			-0.0002356							01/20/2004	1657
CCV		M0379	1.05194997		1.00		105.2	%	90-110	01/20/2004	1700
CCB			-0.0000077							01/20/2004	1706
CCB			-0.0001961							01/20/2004	1711
MB		3010.	-0.0002192							01/20/2004	1807
LCS		M348	0.50035844		0.500		100.1	%	87-110	01/20/2004	1810
MS	222765-1	M348	0.49640225		0.500	-0.0002660	99.3	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.47833394	0.49640225	0.500	-0.0002660	95.7	%	75-125	01/20/2004	1846
							3.7	R	20		
CCV		M0379	1.03154792		1.00		103.2	%	90-110	01/20/2004	1852
CCB			-0.0001784							01/20/2004	1858
MB		3010	0.00046292							01/20/2004	1941
CCV		M0379	1.02824845		1.00		102.8	%	90-110	01/20/2004	1948
CCB			-0.0001404							01/20/2004	2003
MS	222722-2	M348	0.53722658		0.500	0.00006077	107.4	%	75-125	01/20/2004	2035
MSD	222722-2	M348	0.48460536	0.53722658	0.500	0.00006077	96.9	%	75-125	01/20/2004	2041
							10.3	R	20		
CCV		M0379	1.03278079		1.00		103.3	%	90-110	01/20/2004	2051
CCB			0.00003572							01/20/2004	2056
MB		3050	-0.0002063							01/20/2004	2131
LCS		M348	0.48964735		0.500		97.9	%	87-110	01/20/2004	2139
CCV		M0379	1.01265872		1.00		101.3	%	90-110	01/20/2004	2149
CCB			0.00008441							01/20/2004	2200
MS	222745-1	M348	0.45381414		0.500	0.00804478	89.2	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.46893492	0.45381414	0.500	0.00804478	92.2	%	75-125	01/20/2004	2217
							3.3	R	20		
CCV		M0379	0.99823100		1.00		99.8	%	90-110	01/20/2004	2250
CCB			-0.0000263							01/20/2004	2305
CCB			0.00021236							01/20/2004	2352
CCB			0.00006918							01/21/2004	0001
MS	222746-22	M348	0.45510604		0.500	-0.0008344	91.2	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.45868705	0.45510604	0.500	-0.0008344	91.9	%	75-125	01/21/2004	0036
							0.8	R	20		
CCV		M0379	0.99736364		1.00		99.7	%	90-110	01/21/2004	0045
CCB			0.00032344							01/21/2004	0051

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	1.99668942		2.00		99.8	%	90-110	01/20/2004	1550
ICV		M0368	1.03999784		1.00		104.0	%	90-110	01/20/2004	1608
ICV		M0356	1.05603275		1.00		105.6	%	90-110	01/20/2004	1623
ICB			-0.0010627							01/20/2004	1644
ICB			-0.0006892							01/20/2004	1657
CCV		M0379	1.05367674		1.00		105.4	%	90-110	01/20/2004	1700

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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			-0.0005424							01/20/2004	1706
CCB			-0.0008920							01/20/2004	1711
MB		3010.	-0.0009606							01/20/2004	1807
LCS		M348	0.50514566		0.500		101.0	%	90-110	01/20/2004	1810
MS	222765-1	M348	0.51294358		0.500	0.00010384	102.6	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.49484482	0.51294358	0.500	0.00010384	98.9	%	75-125	01/20/2004	1846
							3.6	R	20		
CCV		M0379	1.03610268		1.00		103.6	%	90-110	01/20/2004	1852
CCB			-0.0005244							01/20/2004	1858
MB		3010	-0.0010113							01/20/2004	1941
CCV		M0379	1.03437573		1.00		103.4	%	90-110	01/20/2004	1948
CCB			-0.0011003							01/20/2004	2003
MS	222722-2	M348	0.53221494		0.500	0.00440468	105.6	%	75-125	01/20/2004	2035
MSD	222722-2	M348	0.48139933	0.53221494	0.500	0.00440468	95.4	%	75-125	01/20/2004	2041
							10.0	R	20		
CCV		M0379	1.03768110		1.00		103.8	%	90-110	01/20/2004	2051
CCB			-0.0009563							01/20/2004	2056
B		3050	-0.0012181							01/20/2004	2131
LCS		M348	0.51244040		0.500		102.5	%	90-110	01/20/2004	2139
CCV		M0379	1.05159277		1.00		105.2	%	90-110	01/20/2004	2149
CCB			-0.0007037							01/20/2004	2200
MS	222745-1	M348	0.60655518		0.500	0.11838261	97.6	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.62636677	0.60655518	0.500	0.11838261	101.6	%	75-125	01/20/2004	2217
							3.2	R	20		
CCV		M0379	1.03543096		1.00		103.5	%	90-110	01/20/2004	2250
CCB			-0.0011403							01/20/2004	2305
CCB			-0.0004866							01/20/2004	2352
CCB			-0.0011597							01/21/2004	0001
MS	222746-22	M348	0.50695445		0.500	0.01303606	98.8	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.50810837	0.50695445	0.500	0.01303606	99.0	%	75-125	01/21/2004	0036
							0.2	R	20		
CCV		M0379	1.03687463		1.00		103.7	%	90-110	01/21/2004	0045
CCB			-0.0005971							01/21/2004	0051

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	1.99993489		2.00		100.0	%	90-110	01/20/2004	1550
ICV		M0368	1.05293902		1.00		105.3	%	90-110	01/20/2004	1608
ICV		M0356	1.07374535		1.00		107.4	%	90-110	01/20/2004	1623
ICB			-0.0035595							01/20/2004	1644
ICB			-0.0011213							01/20/2004	1657
CCV		M0379	1.06278801		1.00		106.3	%	90-110	01/20/2004	1700
CCB			-0.0024968							01/20/2004	1706
CCB			-0.0017320							01/20/2004	1711
MB		3010.	-0.0036438							01/20/2004	1807
LCS		M348	0.51124579		0.500		102.2	%	87-112	01/20/2004	1810
S	222765-1	M348	0.49949284		0.500	0.00157426	99.6	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.47872105	0.49949284	0.500	0.00157426	95.4	%	75-125	01/20/2004	1846
							4.2	R	20		

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Lead (Pb)

Batch.....: 89213
Units.....: mg/L

Analyst...: jem
Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0379	1.05026923		1.00		105.0	%	90-110	01/20/2004	1852
CCB			-0.0000626							01/20/2004	1858
MB		3010	-0.0000743							01/20/2004	1941
CCV		M0379	1.03975722		1.00		104.0	%	90-110	01/20/2004	1948
CCB			-0.0027538							01/20/2004	2003
MS	222722-2	M348	0.50610014		0.500	-0.0025724	101.7	%	75-125	01/20/2004	2035
MSD	222722-2	M348	0.47513900	0.50610014	0.500	-0.0025724	95.5	%	75-125	01/20/2004	2041
							6.3	R	20		
CCV		M0379	1.05075093		1.00		105.1	%	90-110	01/20/2004	2051
CCB			0.00026495							01/20/2004	2056
MB		3050	-0.0011498							01/20/2004	2131
LCS		M348	0.50593415		0.500		101.2	%	87-112	01/20/2004	2139
CCV		M0379	1.02569952		1.00		102.6	%	90-110	01/20/2004	2149
CCB			-0.0024706							01/20/2004	2200
MS	222745-1	M348	0.90962850		0.500	0.42367101	97.2	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.92183678	0.90962850	0.500	0.42367101	99.6	%	75-125	01/20/2004	2217
							1.3	R	20		
CV		M0379	1.02819162		1.00		102.8	%	90-110	01/20/2004	2250
CB			-0.0018049							01/20/2004	2305
CCB			-0.0014596							01/20/2004	2352
CCB			-0.0026627							01/21/2004	0001
MS	222746-22	M348	0.43930895		0.500	-0.0189372	91.6	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.44784644	0.43930895	0.500	-0.0189372	93.4	%	75-125	01/21/2004	0036
							1.9	R	20		
CCV		M0379	1.03336414		1.00		103.3	%	90-110	01/21/2004	0045
CCB			-0.0008440							01/21/2004	0051

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)

Batch.....: 89213
Units.....: mg/L

Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	2.00518186		2.00		100.3	%	90-110	01/20/2004	1550
ICV		M0368	1.02977661		1.00		103.0	%	90-110	01/20/2004	1608
ICV		M0356	1.03623702		1.00		103.6	%	90-110	01/20/2004	1623
ICB			0.00290339							01/20/2004	1644
ICB			0.00845748							01/20/2004	1657
CCV		M0379	1.03654962		1.00		103.7	%	90-110	01/20/2004	1700
CCB			0.00480539							01/20/2004	1706
CCB			0.00573317							01/20/2004	1711
MB		3010.	0.00248557							01/20/2004	1807
LCS		M348	0.49132942		0.500		98.3	%	82-111	01/20/2004	1810
MS	222765-1	M348	0.50019739		0.500	-0.0070976	101.5	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.48073893	0.50019739	0.500	-0.0070976	97.6	%	75-125	01/20/2004	1846
							4.0	R	20		
CCV		M0379	1.03447993		1.00		103.4	%	90-110	01/20/2004	1852
CCB			0.00634168							01/20/2004	1858
MB		3010	-0.0018564							01/20/2004	1941
CCV		M0379	1.01118003		1.00		101.1	%	90-110	01/20/2004	1948
CB			0.00474468							01/20/2004	2003
MS	222722-2	M348	0.50567720		0.500	0.00355187	100.4	%	75-125	01/20/2004	2035

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744 | Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	222722-2	M348	0.46190243	0.50567720	0.500	0.00355187	91.7	%	75-125	01/20/2004	2041
							9.0	R	20		
CCV		M0379	1.03107267		1.00		103.1	%	90-110	01/20/2004	2051
CCB			0.00906431							01/20/2004	2056
MB		3050	0.00475292							01/20/2004	2131
LCS		M348	0.49155739		0.500		98.3	%	82-111	01/20/2004	2139
CCV		M0379	1.01414724		1.00		101.4	%	90-110	01/20/2004	2149
CCB			-0.0003665							01/20/2004	2200
MS	222745-1	M348	0.40886189		0.500	-0.0540627	92.6	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.42588058	0.40886189	0.500	-0.0540627	96.0	%	75-125	01/20/2004	2217
							4.1	R	20		
CCV		M0379	1.02653805		1.00		102.7	%	90-110	01/20/2004	2250
CCB			0.00329584							01/20/2004	2305
CCB			0.00759319							01/20/2004	2352
CCB			0.00234580							01/21/2004	0001
MS	222746-22	M348	0.55742063		0.500	0.03541814	104.4	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.55306735	0.55742063	0.500	0.03541814	103.5	%	75-125	01/21/2004	0036
							0.8	R	20		
CCV		M0379	1.02412963		1.00		102.4	%	90-110	01/21/2004	0045
CCB			0.00430813							01/21/2004	0051

Test Method.....: SW-846 6010B | Batch.....: 89213 | 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	0.99170872		1.0		99.2	%	90-110	01/20/2004	1550
ICV		M0369	1.01786551		1.00		101.8	%	90-110	01/20/2004	1614
ICB			-0.0008468							01/20/2004	1644
ICB			-0.0014772							01/20/2004	1657
CCV		M0379	0.51629862		0.50		103.3	%	90-110	01/20/2004	1700
CCB			0.00030999							01/20/2004	1706
CCB			-0.0008492							01/20/2004	1711
MB		3010.	-0.0004729							01/20/2004	1807
LCS		M348	0.24506952		0.25		98.0	%	87-110	01/20/2004	1810
MS	222765-1	M348	0.20019419		0.25	-0.0008936	80.4	%	75-125	01/20/2004	1841
MSD	222765-1	M348	0.22280185	0.20019419	0.25	-0.0008936	89.5	%	75-125	01/20/2004	1846
							10.7	R	20		
CCV		M0379	0.50810374		0.50		101.6	%	90-110	01/20/2004	1852
CCB			0.00173120							01/20/2004	1858
MB		3010	-0.0003784							01/20/2004	1941
CCV		M0379	0.50669776		0.50		101.3	%	90-110	01/20/2004	1948
CCB			-0.0006197							01/20/2004	2003
CCV		M0379	0.50695246		0.50		101.4	%	90-110	01/20/2004	2051
CCB			-0.0002580							01/20/2004	2056
MB		3050	0.00021946							01/20/2004	2131
LCS		M348	0.24625619		0.25		98.5	%	87-110	01/20/2004	2139
CCV		M0379	0.50948417		0.50		101.9	%	90-110	01/20/2004	2149
CCB			-0.0003577							01/20/2004	2200
S	222745-1	M348	0.23276859		0.25	-0.0012390	93.6	%	75-125	01/20/2004	2211
MSD	222745-1	M348	0.23940385	0.23276859	0.25	-0.0012390	96.3	%	75-125	01/20/2004	2217
							2.8	R	20		

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222744

Report Date.: 01/28/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Silver (Ag)

Batch.....: 89213
Units.....: mg/L

Analyst...: jem
Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M0379	0.50586350		0.50		101.2	%	90-110	01/20/2004	2250
CCB			-0.0007727							01/20/2004	2305
CCB			-0.0001745							01/20/2004	2352
CCB			0.00022005							01/21/2004	0001
MS	222746-22	M348	0.24900304		0.25	-0.0168966	106.4	%	75-125	01/21/2004	0030
MSD	222746-22	M348	0.25219623	0.24900304	0.25	-0.0168966	107.6	%	75-125	01/21/2004	0036
							1.3	R	20		
CCV		M0379	0.50514541		0.50		101.0	%	90-110	01/21/2004	0045
CCB			-0.0004083							01/21/2004	0051

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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/28/2004

(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

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SEVERN TRENT STL

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/28/2004

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.

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ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle / Texas Trust Fund

Project Location: Corpus Christi, TX

Laboratory: STL Corpus Christi

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Ken Brandner / ARCADIS

2.8°C

222744

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Cadmium (16 oz poly w/HNO3)	Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag (16 oz. poly w/HNO3)					Remarks	Total
Drum Filter 235028	L	1/16/04 15:45		1							1
Fac. 3 Floor N End	↓	↓ 16:15			1						1
Fac. 3 Floor S end	↓	↓ 16:35			1						1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 3

Relinquished by: Ken Brandner	Organization: ARCADIS	Date 1/16/04	Time 1650	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CC	Date 1/16/04	Time 1650	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Results to Rich Marcus and Ken Brandner. Invoice to Rich Marcus. Samples delivered in cooler with ice.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

SEVERN TRENT STL

RECEIVED
FEB 16 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 222789

Prepared For:

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

Attention: Ken Brandner

Date: 02/12/2004

Signature

Date 2/12/04

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 47

SEVERN TRENT STL

CASE NARRATIVE

Job Number 222789

February 2, 2004

Cyanide Analysis

Sample 222789-1 was analyzed for cyanide using EPA Method 9010B and 9012. The percent recovery results for the matrix spikes associated with this sample were below the acceptance criteria. The associated LCS was within acceptable limits and it appears the out of control data are due to the sample matrix.

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

Olga Verónica McDonald
Project Manager

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 02/12/2004

Job Number.: 222789
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE TEXAS TRUST FUND
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222789-1	FAC 3-PERMITTED FLOOR	Water	01/20/2004	16:00	01/20/2004	16:40
222789-2	FAC 3-PERMITTED FLOOR DUP	Water	01/20/2004	16:00	01/20/2004	16:40
222789-3	FIELD BLANK	Water	01/20/2004	16:20	01/20/2004	16:40
222789-4	TANK 695096	Water	01/20/2004	16:25	01/20/2004	16:40

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222789

Date: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FAC 3-PERMITTED FLOOR
Date Sampled.....: 01/20/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 222789-1
Date Received.....: 01/20/2004
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	01/23/04	edr
EPA 9010B/9012	Cyanide, Total	<0.02	0.02	mg/L	01/22/04	dev
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	01/21/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Cobalt (Co), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Copper (Cu), Total	0.04	0.01	mg/L	01/21/04	jem
SW-846 6010B	Lead (Pb), Total	0.09	0.01	mg/L	01/21/04	jem
SW-846 6010B	Manganese (Mn), Total	0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Nickel (Ni), Total	0.09	0.01	mg/L	01/21/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/21/04	jem
SW-846 6010B	Tin (Sn), Total	<0.02	0.02	mg/L	01/21/04	jem
SW-846 6010B	Vanadium (V), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Zinc (Zn), Total	0.17	0.01	mg/L	01/21/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/21/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222789

Date: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FAC 3-PERMITTED FLOOR DUP
Date Sampled.....: 01/20/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 222789-2
Date Received.....: 01/20/2004
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	01/23/04	edr
EPA 9010B/9012	Cyanide, Total	<0.02	0.02	mg/L	01/22/04	dev
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Barium (Ba), Total	0.11	0.01	mg/L	01/21/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Cobalt (Co), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Copper (Cu), Total	0.05	0.01	mg/L	01/21/04	jem
SW-846 6010B	Lead (Pb), Total	0.13	0.01	mg/L	01/21/04	jem
SW-846 6010B	Manganese (Mn), Total	0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Nickel (Ni), Total	0.11	0.01	mg/L	01/21/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/21/04	jem
SW-846 6010B	Tin (Sn), Total	<0.02	0.02	mg/L	01/21/04	jem
SW-846 6010B	Vanadium (V), Total	<0.01	0.01	mg/L	01/21/04	jem
SW-846 6010B	Zinc (Zn), Total	0.21	0.01	mg/L	01/21/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/21/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222789

Date: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FIELD BLANK
Date Sampled.....: 01/20/2004
Time Sampled.....: 16:20
Sample Matrix.....: Water

Laboratory Sample ID: 222789-3
Date Received.....: 01/20/2004
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	01/23/04	edr
EPA 9010B/9012	Cyanide, Total	<0.02	0.02	mg/L	01/22/04	dev
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Barium (Ba), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Cobalt (Co), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Copper (Cu), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Lead (Pb), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Manganese (Mn), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Nickel (Ni), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/22/04	jem
SW-846 6010B	Tin (Sn), Total	<0.02	0.02	mg/L	01/22/04	jem
SW-846 6010B	Vanadium (V), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Zinc (Zn), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/21/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222789

Date: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: TANK 695096
Date Sampled.....: 01/20/2004
Time Sampled.....: 16:25
Sample Matrix.....: Water

Laboratory Sample ID: 222789-4
Date Received.....: 01/20/2004
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	01/23/04	edr
SW-846 6010B	Arsenic (As), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Barium (Ba), Total	0.10	0.01	mg/L	01/22/04	jem
SW-846 6010B	Cadmium (Cd), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Chromium (Cr), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Lead (Pb), Total	0.02	0.01	mg/L	01/22/04	jem
SW-846 6010B	Selenium (Se), Total	<0.01	0.01	mg/L	01/22/04	jem
SW-846 6010B	Silver (Ag), Total	<0.005	0.005	mg/L	01/22/04	jem
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			01/21/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 | Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 7470A | Batch.....: 89364 | 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		M012304HG	0.00477		0.005000		95.4	%	90-110	01/23/2004	1416
ICB			-0.000080							01/23/2004	1420
LCS		M012304LG	0.00505		0.0050		101.0	%	85-115	01/23/2004	1423
MB			-0.000054							01/23/2004	1425
MS	222759-2	M012304HG	0.00473		0.005000	-0.000016	94.9	%	85-115	01/23/2004	1437
MSD	222759-2	M012304HG	0.00484	0.00473	0.005000	-0.000016	97.1	%	85-115	01/23/2004	1439
							2.3	R	20		
CCV		M012304HG	0.00483		0.005000		96.6	%	80-120	01/23/2004	1450
CCB			-0.000001							01/23/2004	1453
CCV		M012304HG	0.00480		0.005000		96.0	%	80-120	01/23/2004	1514
CCB			0.000028							01/23/2004	1518
LCS		M012304HG	0.00497		0.005000		99.4	%	85-115	01/23/2004	1520
MB			-0.000057							01/23/2004	1521
MS	222801-1	M012304HG	0.00502		0.005000	-0.000044	101.3	%	85-115	01/23/2004	1527
MSD	222801-1	M012304HG	0.00479	0.00502	0.005000	-0.000044	96.7	%	85-115	01/23/2004	1528
							4.7	R	20		
CCV		M012304HG	0.00466		0.005000		93.2	%	80-120	01/23/2004	1535
CB			-0.000031							01/23/2004	1539

Test Method.....: EPA 9010B/9012A | Batch.....: 89346 | 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		012204	0.0012							01/22/2004	1445
CCV		CN40122E	0.3735		0.397		94.1	%	80-120	01/22/2004	1450
MB		012204	0.0036							01/22/2004	1455
LCS		CN40122P	0.0383		0.0478		80.1	%	76-117	01/22/2004	1500
LCS		CN40122Q	0.0766		0.0957		80.0	%	76-117	01/22/2004	1505
LCS		CN40122R	0.1477		0.191		77.3	%	76-117	01/22/2004	1510
MS	222789-1	CN40122O	0.0388		0.0478	0.0044	72.0	%	75-125	01/22/2004	1520
MSD	222789-1	CN40122O	0.0345	0.0388	0.0478	0.0044	63.0	%	75-125	01/22/2004	1525
							11.7	R	20		
CCB		012204	0.0017							01/22/2004	1540
CCV		CN40122E	0.3832		0.397		96.5	%	80-120	01/22/2004	1545

Test Method.....: SW-846 6010B | Batch.....: 89271 | 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	1.97552130		2.00		98.8	%	90-110	01/21/2004	1054
ICV		M0368	1.04209233		1.00		104.2	%	90-110	01/21/2004	1112
ICV		M0356	1.04361366		1.00		104.4	%	90-110	01/21/2004	1127
CCB			-0.0028906							01/21/2004	1141
ICB			-0.0035428							01/21/2004	1151
CV		M0379	1.03070021		1.00		103.1	%	90-110	01/21/2004	1207
B			-0.0027333							01/21/2004	1218
CCV		M0379	1.01315820		1.00		101.3	%	90-110	01/21/2004	1307

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 | Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89271 | 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			-0.0004598							01/21/2004	1316
CCV		M0379	1.00894149		1.00		100.9	%	90-110	01/21/2004	1410
CCB			-0.0005716							01/21/2004	1421
MB		3050.	-0.0004502							01/21/2004	1628
LCS		M348	0.55164329		0.500		110.3	%	82-110	01/21/2004	1632
PDS	222714-9	M348C	0.76524236		1.00	0.10678136	65.8	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.78709580	0.76524236	1.00	0.10678136	68.0	%	75-125	01/21/2004	1652
							2.8	R	20		
CCV		M0379	1.01929231		1.00		101.9	%	90-110	01/21/2004	1710
CCB			0.00018803							01/21/2004	1719
MB		3050.	-0.0017544							01/21/2004	1757
LCS		M348	0.54474101		0.500		108.9	%	85-110	01/21/2004	1800
CCV		M0379	0.99116009		1.00		99.1	%	90-110	01/21/2004	1810
CCB			0.00205800							01/21/2004	1819
PDS	222710-3	M348C	0.85470295		1.00	0.03007716	82.5	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.85174119	0.85470295	1.00	0.03007716	82.2	%	75-125	01/21/2004	1845
							0.3	R	20		
CCV		M0379	0.99087405		1.00		99.1	%	90-110	01/21/2004	1909
CCB			0.00200112							01/21/2004	1920
CCV		M0379	0.99489444		1.00		99.5	%	90-110	01/21/2004	2007
CCB			-0.0033862							01/21/2004	2016
MB		3010	-0.0002342							01/21/2004	2023
LCS		M348	0.45590050		0.500		91.2	%	85-110	01/21/2004	2030
RIN			-0.0029730							01/21/2004	2036
MS	222684-1	M348	0.55239075		0.500	0.00380496	109.7	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.53804001	0.55239075	0.500	0.00380496	106.8	%	75-125	01/21/2004	2100
							2.6	R	20		
CCV		M0379	0.99542676		1.00		99.5	%	90-110	01/21/2004	2115
CCB			-0.0000488							01/21/2004	2126
CCV		M0379	0.99672442		1.00		99.7	%	90-110	01/21/2004	2217
CCB			0.00105419							01/21/2004	2226
MB		3010	-0.0004172							01/21/2004	2233
LCS		M348	0.51878273		0.500		103.8	%	85-110	01/21/2004	2241
CCV		M0379	0.99844440		1.00		99.8	%	90-110	01/21/2004	2313
CCB			-0.0003698							01/21/2004	2324
MS	222775-3	M348	0.51596580		0.500	-0.0030984	103.8	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.51213538	0.51596580	0.500	-0.0030984	103.0	%	75-125	01/21/2004	2344
							0.7	R	20		
CCV		M0379	1.00938860		1.00		100.9	%	90-110	01/22/2004	0012
CCB			-0.0003426							01/22/2004	0023

Test Method.....: SW-846 6010B | Batch.....: 89271 | 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	1.99050321		2.00		99.5	%	90-110	01/21/2004	1054
ICV		M0369	1.00679996		1.00		100.7	%	90-110	01/21/2004	1118
CCB			0.00007694							01/21/2004	1141
CB			-0.0000536							01/21/2004	1151
CCV		M0379	1.03622727		1.00		103.6	%	90-110	01/21/2004	1207

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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			-0.0012256							01/21/2004	1218
CCV		M0379	1.03337114		1.00		103.3	%	90-110	01/21/2004	1307
CCB			-0.0012657							01/21/2004	1316
CCV		M0379	1.01089745		1.00		101.1	%	90-110	01/21/2004	1410
CCB			-0.0010562							01/21/2004	1421
MB		3050.	0.00943975							01/21/2004	1628
LCS		M348	0.55001707		0.500		110.0	%	89-110	01/21/2004	1632
CCV		M0379	1.03447243		1.00		103.4	%	90-110	01/21/2004	1710
CCB			-0.0008349							01/21/2004	1719
MB		3050.	0.00388047							01/21/2004	1757
LCS		M348	0.53090671		0.500		106.2	%	90-110	01/21/2004	1800
CCV		M0379	1.00463527		1.00		100.5	%	90-110	01/21/2004	1810
CCB			-0.0009750							01/21/2004	1819
CCV		M0379	1.00575414		1.00		100.6	%	90-110	01/21/2004	1909
CCB			-0.0008638							01/21/2004	1920
CCV		M0379	1.00260209		1.00		100.3	%	90-110	01/21/2004	2007
CCB			-0.0007154							01/21/2004	2016
3		3010	-0.0009869							01/21/2004	2023
LCS		M348	0.50646286		0.500		101.3	%	90-110	01/21/2004	2030
RIN			-0.0015650							01/21/2004	2036
MS	222684-1	M348	0.53785102		0.500	0.02795681	102.0	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.53450418	0.53785102	0.500	0.02795681	101.3	%	75-125	01/21/2004	2100
							0.6	R	20		
CCV		M0379	1.00057999		1.00		100.1	%	90-110	01/21/2004	2115
CCB			-0.0011729							01/21/2004	2126
CCV		M0379	1.00267688		1.00		100.3	%	90-110	01/21/2004	2217
CCB			-0.0010482							01/21/2004	2226
MB		3010	-0.0011487							01/21/2004	2233
LCS		M348	0.50065963		0.500		100.1	%	90-110	01/21/2004	2241
CCV		M0379	1.00322454		1.00		100.3	%	90-110	01/21/2004	2313
CCB			-0.0008427							01/21/2004	2324
MS	222775-3	M348	0.53763243		0.500	0.03283282	101.0	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.52842931	0.53763243	0.500	0.03283282	99.1	%	75-125	01/21/2004	2344
							1.7	R	20		
CCV		M0379	1.00556940		1.00		100.6	%	90-110	01/22/2004	0012
CCB			-0.0010105							01/22/2004	0023

Test Method.....: SW-846 6010B Batch.....: 89271 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	1.99810559		2.00		99.9	%	90-110	01/21/2004	1054
ICV		M0368	1.03592832		1.00		103.6	%	90-110	01/21/2004	1112
ICV		M0356	1.01936636		1.00		101.9	%	90-110	01/21/2004	1127
CCB			-0.0000891							01/21/2004	1141
ICB			-0.0001732							01/21/2004	1151
CCV		M0379	1.03355737		1.00		103.4	%	90-110	01/21/2004	1207
CCB			-0.0001426							01/21/2004	1218
CCV		M0379	1.02934003		1.00		102.9	%	90-110	01/21/2004	1307
CCB			-0.0000640							01/21/2004	1316

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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		M0379	1.00325891		1.00		100.3	%	90-110	01/21/2004	1410
CCB			-0.0000696							01/21/2004	1421
MB		3050.	0.00465909							01/21/2004	1628
LCS		M348	0.51285492		0.500		102.6	%	85-110	01/21/2004	1632
PDS	222714-9	M348C	0.63040613		1.00	0.00644478	62.4	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.66074606	0.63040613	1.00	0.00644478	65.4	%	75-125	01/21/2004	1652
							4.7	R	20		
CCV		M0379	0.99571174		1.00		99.6	%	90-110	01/21/2004	1710
CCB			0.00011670							01/21/2004	1719
MB		3050.	0.00020800							01/21/2004	1757
LCS		M348	0.50193365		0.500		100.4	%	87-110	01/21/2004	1800
CCV		M0379	0.97024689		1.00		97.0	%	90-110	01/21/2004	1810
CCB			0.00012575							01/21/2004	1819
PDS	222710-3	M348C	0.80540180		1.00	0.00485503	80.1	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.79478303	0.80540180	1.00	0.00485503	79.0	%	75-125	01/21/2004	1845
							1.3	R	20		
CCV		M0379	0.97270153		1.00		97.3	%	90-110	01/21/2004	1909
CCB			0.00009589							01/21/2004	1920
CCV		M0379	0.97047904		1.00		97.0	%	90-110	01/21/2004	2007
CCB			0.00009934							01/21/2004	2016
MB		3010	0.00004153							01/21/2004	2023
LCS		M348	0.48994290		0.500		98.0	%	87-110	01/21/2004	2030
RIN			0.00003873							01/21/2004	2036
MS	222684-1	M348	0.49887006		0.500	-0.0001723	99.8	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.49281250	0.49887006	0.500	-0.0001723	98.6	%	75-125	01/21/2004	2100
							1.2	R	20		
CCV		M0379	0.97782181		1.00		97.8	%	90-110	01/21/2004	2115
CCB			0.00016385							01/21/2004	2126
CCV		M0379	0.98903274		1.00		98.9	%	90-110	01/21/2004	2217
CCB			0.00025092							01/21/2004	2226
MB		3010	0.00007789							01/21/2004	2233
LCS		M348	0.49035487		0.500		98.1	%	87-110	01/21/2004	2241
CCV		M0379	1.00397320		1.00		100.4	%	90-110	01/21/2004	2313
CCB			-0.0000553							01/21/2004	2324
MS	222775-3	M348	0.50366589		0.500	-0.0001388	100.8	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.49710464	0.50366589	0.500	-0.0001388	99.4	%	75-125	01/21/2004	2344
							1.3	R	20		
CCV		M0379	1.01650419		1.00		101.7	%	90-110	01/22/2004	0012
CCB			-0.0000023							01/22/2004	0023

Test Method.....: SW-846 6010B Batch.....: 89271 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	1.99805806		2.00		99.9	%	90-110	01/21/2004	1054
ICV		M0368	1.03883777		1.00		103.9	%	90-110	01/21/2004	1112
ICV		M0356	1.02853975		1.00		102.9	%	90-110	01/21/2004	1127
CCB			-0.0006570							01/21/2004	1141
B			-0.0005815							01/21/2004	1151
CCV		M0379	1.03138932		1.00		103.1	%	90-110	01/21/2004	1207

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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			-0.0005033							01/21/2004	1218
CCV		M0379	1.02970277		1.00		103.0	%	90-110	01/21/2004	1307
CCB			-0.0006032							01/21/2004	1316
CCV		M0379	1.00303771		1.00		100.3	%	90-110	01/21/2004	1410
CCB			-0.0004765							01/21/2004	1421
MB		3050.	0.00027344							01/21/2004	1628
LCS		M348	0.53763528		0.500		107.5	%	89-110	01/21/2004	1632
PDS	222714-9	M348C	0.79762793		1.00	0.13859116	65.9	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.81947205	0.79762793	1.00	0.13859116	68.1	%	75-125	01/21/2004	1652
							2.7	R	20		
CCV		M0379	1.02955907		1.00		103.0	%	90-110	01/21/2004	1710
CCB			-0.0004754							01/21/2004	1719
MB		3050.	0.00113832							01/21/2004	1757
LCS		M348	0.53000840		0.500		106.0	%	90-110	01/21/2004	1800
CCV		M0379	1.00412586		1.00		100.4	%	90-110	01/21/2004	1810
CCB			-0.0000998							01/21/2004	1819
PDS	222710-3	M348C	0.97480990		1.00	0.13467991	84.0	%	75-125	01/21/2004	1839
SD	222710-3	M348C	0.96718629	0.97480990	1.00	0.13467991	83.3	%	75-125	01/21/2004	1845
							0.8	R	20		
CCV		M0379	1.00746989		1.00		100.7	%	90-110	01/21/2004	1909
CCB			-0.0003475							01/21/2004	1920
CCV		M0379	1.00365562		1.00		100.4	%	90-110	01/21/2004	2007
CCB			-0.0003211							01/21/2004	2016
MB		3010	-0.0004875							01/21/2004	2023
LCS		M348	0.51113050		0.500		102.2	%	90-110	01/21/2004	2030
RIN			-0.0009771							01/21/2004	2036
MS	222684-1	M348	0.52373628		0.500	0.00033497	104.7	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.51910196	0.52373628	0.500	0.00033497	103.8	%	75-125	01/21/2004	2100
							0.9	R	20		
CCV		M0379	1.00479015		1.00		100.5	%	90-110	01/21/2004	2115
CCB			-0.0002634							01/21/2004	2126
CCV		M0379	1.01245643		1.00		101.2	%	90-110	01/21/2004	2217
CCB			-0.0001381							01/21/2004	2226
MB		3010	-0.0004961							01/21/2004	2233
LCS		M348	0.50561887		0.500		101.1	%	90-110	01/21/2004	2241
CCV		M0379	1.02071683		1.00		102.1	%	90-110	01/21/2004	2313
CCB			-0.0002740							01/21/2004	2324
MS	222775-3	M348	0.51360716		0.500	-0.0002581	102.8	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.50705040	0.51360716	0.500	-0.0002581	101.5	%	75-125	01/21/2004	2344
							1.3	R	20		
CCV		M0379	1.02330452		1.00		102.3	%	90-110	01/22/2004	0012
CCB			-0.0003752							01/22/2004	0023

Test Method.....: SW-846 6010B Batch.....: 89271 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
PS		M0370	1.98580498		2.00		99.3	%	90-110	01/21/2004	1054
CV		M0368	1.02807283		1.00		102.8	%	90-110	01/21/2004	1112
ICV		M0356	1.03747499		1.00		103.7	%	90-110	01/21/2004	1127

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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
CCB			-0.0001417							01/21/2004	1141
ICB			0.00005021							01/21/2004	1151
CCV		M0379	1.01580162		1.00		101.6	%	90-110	01/21/2004	1207
CCB			0.00006889							01/21/2004	1218
CCV		M0379	1.00792856		1.00		100.8	%	90-110	01/21/2004	1307
CCB			-0.0001237							01/21/2004	1316
CCV		M0379	0.99571531		1.00		99.6	%	90-110	01/21/2004	1410
CCB			-0.0000778							01/21/2004	1421
MB		3050.	0.00025396							01/21/2004	1628
LCS		M348	0.53266328		0.500		106.5	%	90-110	01/21/2004	1632
PDS	222714-9	M348C	0.69583235		1.00	0.06431390	63.2	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.72149701	0.69583235	1.00	0.06431390	65.7	%	75-125	01/21/2004	1652
							3.6	R	20		
CCV		M0379	1.01536347		1.00		101.5	%	90-110	01/21/2004	1710
CCB			0.00016882							01/21/2004	1719
MB		3050.	0.00037104							01/21/2004	1757
LCS		M348	0.52534662		0.500		105.1	%	90-110	01/21/2004	1800
CCV		M0379	0.98850240		1.00		98.9	%	90-110	01/21/2004	1810
CCB			0.00010056							01/21/2004	1819
PDS	222710-3	M348C	0.86366224		1.00	0.04850343	81.5	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.85568839	0.86366224	1.00	0.04850343	80.7	%	75-125	01/21/2004	1845
							0.9	R	20		
CCV		M0379	0.99254954		1.00		99.3	%	90-110	01/21/2004	1909
CCB			0.00003008							01/21/2004	1920
CCV		M0379	0.98877549		1.00		98.9	%	90-110	01/21/2004	2007
CCB			0.00036006							01/21/2004	2016
MB		3010	-0.0000731							01/21/2004	2023
LCS		M348	0.50350159		0.500		100.7	%	90-110	01/21/2004	2030
RIN			-0.0000588							01/21/2004	2036
MS	222684-1	M348	0.48272698		0.500	0.00043301	96.5	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.48058470	0.48272698	0.500	0.00043301	96.0	%	75-125	01/21/2004	2100
							0.4	R	20		
CCV		M0379	0.97923699		1.00		97.9	%	90-110	01/21/2004	2115
CCB			0.00029510							01/21/2004	2126
CCV		M0379	0.98355245		1.00		98.4	%	90-110	01/21/2004	2217
CCB			0.00042346							01/21/2004	2226
MB		3010	0.00009696							01/21/2004	2233
LCS		M348	0.49470191		0.500		98.9	%	90-110	01/21/2004	2241
CCV		M0379	0.99647679		1.00		99.6	%	90-110	01/21/2004	2313
CCB			-0.0004819							01/21/2004	2324
MS	222775-3	M348	0.50530669		0.500	0.00068992	100.9	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.49821688	0.50530669	0.500	0.00068992	99.5	%	75-125	01/21/2004	2344
							1.4	R	20		
CCV		M0379	1.00288207		1.00		100.3	%	90-110	01/22/2004	0012
CCB			0.00031132							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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		M0370	1.99896745		2.00		99.9	%	90-110	01/21/2004	1054
ICV		M0368	1.04572821		1.00		104.6	%	90-110	01/21/2004	1112
ICV		M0356	1.03452221		1.00		103.5	%	90-110	01/21/2004	1127
CCB			0.00090568							01/21/2004	1141
ICB			-0.0003599							01/21/2004	1151
CCV		M0379	1.06065768		1.00		106.1	%	90-110	01/21/2004	1207
CCB			0.00704480							01/21/2004	1218
CCV		M0379	1.06078105		1.00		106.1	%	90-110	01/21/2004	1307
CCB			0.00521944							01/21/2004	1316
CCV		M0379	1.03842603		1.00		103.8	%	90-110	01/21/2004	1410
CCB			0.00298205							01/21/2004	1421
MB		3050	0.00832197							01/21/2004	1625
LCS		M348	0.59649463		0.500		119.3	%	80-120	01/21/2004	1632
PDS	222714-9	M348C	0.86311642		1.00	0.13944391	72.4	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.89477021	0.86311642	1.00	0.13944391	75.5	%	75-125	01/21/2004	1652
							3.6	R	20		
CCV		M0379	1.06351693		1.00		106.4	%	90-110	01/21/2004	1710
CB			0.00303402							01/21/2004	1719
MB		3050.	-0.0045780							01/21/2004	1757
LCS		M348	0.55024016		0.500		110.0	%	89-112	01/21/2004	1800
CCV		M0379	1.03376409		1.00		103.4	%	90-110	01/21/2004	1810
CCB			0.00358362							01/21/2004	1819
PDS	222710-3	M348C	1.02500007		1.00	0.10626879	91.9	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	1.01449484	1.02500007	1.00	0.10626879	90.8	%	75-125	01/21/2004	1845
							1.0	R	20		
CCV		M0379	1.03979520		1.00		104.0	%	90-110	01/21/2004	1909
CCB			0.00336904							01/21/2004	1920
CCV		M0379	1.03716508		1.00		103.7	%	90-110	01/21/2004	2007
CCB			0.00393025							01/21/2004	2016
MB		3010	0.00441090							01/21/2004	2023
LCS		M348	0.51705215		0.500		103.4	%	89-112	01/21/2004	2030
RIN			-0.0103976							01/21/2004	2036
MS	222684-1	M348	0.50566483		0.500	-0.0147492	104.1	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.50015245	0.50566483	0.500	-0.0147492	103.0	%	75-125	01/21/2004	2100
							1.1	R	20		
CCV		M0379	1.04043405		1.00		104.0	%	90-110	01/21/2004	2115
CCB			0.00662828							01/21/2004	2126
CCV		M0379	1.03228141		1.00		103.2	%	90-110	01/21/2004	2217
CCB			0.00470593							01/21/2004	2226
MB		3010	0.00599899							01/21/2004	2233
LCS		M348	0.51681645		0.500		103.4	%	89-112	01/21/2004	2241
CCV		M0379	1.03840786		1.00		103.8	%	90-110	01/21/2004	2313
CCB			0.00707109							01/21/2004	2324
MS	222775-3	M348	0.56170164		0.500	-0.0092880	114.2	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.55858742	0.56170164	0.500	-0.0092880	113.6	%	75-125	01/21/2004	2344
							0.6	R	20		
CCV		M0379	1.03054583		1.00		103.1	%	90-110	01/22/2004	0012
CCB			0.00453942							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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	1.99737648		2.00		99.9	%	90-110	01/21/2004	1054
ICV		M0368	1.05015718		1.00		105.0	%	90-110	01/21/2004	1112
ICV		M0356	1.03157579		1.00		103.2	%	90-110	01/21/2004	1127
CCB			-0.0019173							01/21/2004	1141
ICB			-0.0017525							01/21/2004	1151
CCV		M0379	1.03542538		1.00		103.5	%	90-110	01/21/2004	1207
CCB			-0.0012147							01/21/2004	1218
CCV		M0379	1.01991382		1.00		102.0	%	90-110	01/21/2004	1307
CCB			-0.0011928							01/21/2004	1316
CCV		M0379	1.00685144		1.00		100.7	%	90-110	01/21/2004	1410
CCB			-0.0011992							01/21/2004	1421
MB		3050.	0.00436155							01/21/2004	1628
LCS		M348	0.52142974		0.500		104.3	%	86-110	01/21/2004	1632
PDS	222714-9	M348C	0.84186239		1.00	0.21315256	62.9	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.86661753	0.84186239	1.00	0.21315256	65.3	%	75-125	01/21/2004	1652
							2.9	R	20		
CCV		M0379	1.01385234		1.00		101.4	%	90-110	01/21/2004	1710
CCB			-0.0017324							01/21/2004	1719
MB		3050.	-0.0019714							01/21/2004	1757
LCS		M348	0.51354353		0.500		102.7	%	87-112	01/21/2004	1800
CCV		M0379	0.98135249		1.00		98.1	%	90-110	01/21/2004	1810
CCB			-0.0018064							01/21/2004	1819
PDS	222710-3	M348C	0.97905452		1.00	0.17181066	80.7	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.96681033	0.97905452	1.00	0.17181066	79.5	%	75-125	01/21/2004	1845
							1.3	R	20		
CCV		M0379	0.99054620		1.00		99.1	%	90-110	01/21/2004	1909
CCB			-0.0006781							01/21/2004	1920
CCV		M0379	0.98864626		1.00		98.9	%	90-110	01/21/2004	2007
CCB			-0.0012507							01/21/2004	2016
MB		3010	-0.0016628							01/21/2004	2023
LCS		M348	0.50348240		0.500		100.7	%	87-112	01/21/2004	2030
RIN			-0.0013982							01/21/2004	2036
MS	222684-1	M348	0.50366515		0.500	-0.0009889	100.9	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.49244483	0.50366515	0.500	-0.0009889	98.7	%	75-125	01/21/2004	2100
							2.3	R	20		
CCV		M0379	0.99093469		1.00		99.1	%	90-110	01/21/2004	2115
CCB			-0.0006276							01/21/2004	2126
CCV		M0379	1.00215170		1.00		100.2	%	90-110	01/21/2004	2217
CCB			-0.0002936							01/21/2004	2226
MB		3010	-0.0018021							01/21/2004	2233
LCS		M348	0.50686325		0.500		101.4	%	87-112	01/21/2004	2241
CCV		M0379	1.01719054		1.00		101.7	%	90-110	01/21/2004	2313
CCB			0.00136687							01/21/2004	2324
MS	222775-3	M348	0.51404080		0.500	-0.0016682	103.1	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.50929619	0.51404080	0.500	-0.0016682	102.2	%	75-125	01/21/2004	2344
							0.9	R	20		
CCV		M0379	1.02980415		1.00		103.0	%	90-110	01/22/2004	0012
CCB			-0.0008630							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789

Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Manganese (Mn)

Batch.....: 89271
Units.....: mg/L

Analyst...: jem
Test Code.: MN

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0370	1.99680279		2.00		99.8	%	90-110	01/21/2004	1054
ICV		M0368	1.01999889		1.00		102.0	%	90-110	01/21/2004	1112
ICV		M0356	0.96656092		1.00		96.7	%	90-110	01/21/2004	1127
CCB			-0.0002977							01/21/2004	1141
ICB			-0.0003011							01/21/2004	1151
CCV		M0379	1.03093463		1.00		103.1	%	90-110	01/21/2004	1207
CCB			-0.0003623							01/21/2004	1218
CCV		M0379	1.02751467		1.00		102.8	%	90-110	01/21/2004	1307
CCB			-0.0003352							01/21/2004	1316
CCV		M0379	1.00273433		1.00		100.3	%	90-110	01/21/2004	1410
CCB			-0.0004170							01/21/2004	1421
MB		3050.	0.00171299							01/21/2004	1628
LCS		M348	0.53685174		0.500		107.4	%	88-110	01/21/2004	1632
PDS	222714-9	M348C	3.12251723		1.00	2.51080493	61.2	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	3.14211036	3.12251723	1.00	2.51080493	63.1	%	75-125	01/21/2004	1652
							0.6	R	20		
CCV		M0379	1.02884871		1.00		102.9	%	90-110	01/21/2004	1710
CCB			-0.0003004							01/21/2004	1719
MB		3050.	0.00251813							01/21/2004	1757
LCS		M348	0.52670228		0.500		105.3	%	88-110	01/21/2004	1800
CCV		M0379	1.00156777		1.00		100.2	%	90-110	01/21/2004	1810
CCB			-0.0002179							01/21/2004	1819
PDS	222710-3	M348C	4.02584325		1.00	3.26735494	75.8	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	4.00689274	4.02584325	1.00	3.26735494	74.0	%	75-125	01/21/2004	1845
							0.5	R	20		
CCV		M0379	1.00450472		1.00		100.5	%	90-110	01/21/2004	1909
CCB			-0.0001825							01/21/2004	1920
CCV		M0379	0.99896437		1.00		99.9	%	90-110	01/21/2004	2007
CCB			-0.0002794							01/21/2004	2016
MB		3010	-0.0003056							01/21/2004	2023
LCS		M348	0.50699885		0.500		101.4	%	88-110	01/21/2004	2030
RIN			-0.0001023							01/21/2004	2036
MS	222684-1	M348	0.50921539		0.500	0.00002668	101.8	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.50535012	0.50921539	0.500	0.00002668	101.1	%	75-125	01/21/2004	2100
							0.8	R	20		
CCV		M0379	0.99777576		1.00		99.8	%	90-110	01/21/2004	2115
CCB			-0.0002204							01/21/2004	2126
CCV		M0379	0.99872236		1.00		99.9	%	90-110	01/21/2004	2217
CCB			-0.0001048							01/21/2004	2226
MB		3010	-0.0001130							01/21/2004	2233
LCS		M348	0.50060646		0.500		100.1	%	88-110	01/21/2004	2241
CCV		M0379	1.00712116		1.00		100.7	%	90-110	01/21/2004	2313
CCB			0.00000128							01/21/2004	2324
MS	222775-3	M348	0.50951520		0.500	0.00022068	101.9	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.50485329	0.50951520	0.500	0.00022068	100.9	%	75-125	01/21/2004	2344
							0.9	R	20		
CCV		M0379	1.00728830		1.00		100.7	%	90-110	01/22/2004	0012
CCB			-0.0001307							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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		M0370	2.00556695		2.00		100.3	%	90-110	01/21/2004	1054
ICV		M0368	1.04471276		1.00		104.5	%	90-110	01/21/2004	1112
ICV		M0356	1.04102285		1.00		104.1	%	90-110	01/21/2004	1127
CCB			-0.0001419							01/21/2004	1141
ICB			0.00021329							01/21/2004	1151
CCV		M0379	1.03958568		1.00		104.0	%	90-110	01/21/2004	1207
CCB			0.00085582							01/21/2004	1218
CCV		M0379	1.03670240		1.00		103.7	%	90-110	01/21/2004	1307
CCB			0.00050903							01/21/2004	1316
CCV		M0379	1.01035251		1.00		101.0	%	90-110	01/21/2004	1410
CCB			0.00081933							01/21/2004	1421
MB		3050.	-0.0007708							01/21/2004	1628
LCS		M348	0.53612886		0.500		107.2	%	89-110	01/21/2004	1632
PDS	222714-9	M348C	0.77271823		1.00	0.13800824	63.5	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.80215711	0.77271823	1.00	0.13800824	66.4	%	75-125	01/21/2004	1652
							3.7	R	20		
CCV		M0379	1.03607121		1.00		103.6	%	90-110	01/21/2004	1710
CCB			0.00085537							01/21/2004	1719
MB		3050.	-0.0009310							01/21/2004	1757
LCS		M348	0.52815697		0.500		105.6	%	90-112	01/21/2004	1800
CCV		M0379	1.00911273		1.00		100.9	%	90-110	01/21/2004	1810
CCB			0.00101169							01/21/2004	1819
PDS	222710-3	M348C	0.92723278		1.00	0.10182093	82.5	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.91673770	0.92723278	1.00	0.10182093	81.5	%	75-125	01/21/2004	1845
							1.1	R	20		
CCV		M0379	1.01180842		1.00		101.2	%	90-110	01/21/2004	1909
CCB			0.00142647							01/21/2004	1920
CCV		M0379	1.00836724		1.00		100.8	%	90-110	01/21/2004	2007
CCB			0.00102687							01/21/2004	2016
MB		3010	0.00099314							01/21/2004	2023
LCS		M348	0.51299695		0.500		102.6	%	90-112	01/21/2004	2030
RIN			-0.0012240							01/21/2004	2036
MS	222684-1	M348	0.48166410		0.500	0.00112534	96.1	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.48022101	0.48166410	0.500	0.00112534	95.8	%	75-125	01/21/2004	2100
							0.3	R	20		
CCV		M0379	1.01086211		1.00		101.1	%	90-110	01/21/2004	2115
CCB			0.00096253							01/21/2004	2126
CCV		M0379	1.01969559		1.00		102.0	%	90-110	01/21/2004	2217
CCB			0.00075102							01/21/2004	2226
MB		3010	0.00125738							01/21/2004	2233
LCS		M348	0.50920036		0.500		101.8	%	90-112	01/21/2004	2241
CCV		M0379	1.03160532		1.00		103.2	%	90-110	01/21/2004	2313
CCB			0.00089007							01/21/2004	2324
MS	222775-3	M348	0.52118190		0.500	0.00562996	103.1	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.51378484	0.52118190	0.500	0.00562996	101.6	%	75-125	01/21/2004	2344
							1.4	R	20		
CCV		M0379	1.03645774		1.00		103.6	%	90-110	01/22/2004	0012
CCB			0.00093653							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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	2.00368757		2.00		100.2	%	90-110	01/21/2004	1054
ICV		M0368	1.01329561		1.00		101.3	%	90-110	01/21/2004	1112
ICV		M0356	0.99098409		1.00		99.1	%	90-110	01/21/2004	1127
CCB			0.00267216							01/21/2004	1141
ICB			0.00701098							01/21/2004	1151
CCV		M0379	1.01317461		1.00		101.3	%	90-110	01/21/2004	1207
CCB			0.00030583							01/21/2004	1218
CCV		M0379	1.01315002		1.00		101.3	%	90-110	01/21/2004	1307
CCB			0.00484674							01/21/2004	1316
CCV		M0379	0.99186281		1.00		99.2	%	90-110	01/21/2004	1410
CCB			0.00063303							01/21/2004	1421
MB		3050.	-0.0020247							01/21/2004	1628
LCS		M348	0.52035708		0.500		104.1	%	80-110	01/21/2004	1632
PDS	222714-9	M348C	0.59170953		1.00	-0.0867483	67.8	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.60944268	0.59170953	1.00	-0.0867483	69.6	%	75-125	01/21/2004	1652
							3.0	R	20		
CCV		M0379	1.01169982		1.00		101.2	%	90-110	01/21/2004	1710
CCB			-0.0051796							01/21/2004	1719
MB		3050.	0.00415784							01/21/2004	1757
LCS		M348	0.50297648		0.500		100.6	%	82-111	01/21/2004	1800
CCV		M0379	0.98017845		1.00		98.0	%	90-110	01/21/2004	1810
CCB			0.00001369							01/21/2004	1819
PDS	222710-3	M348C	0.79457045		1.00	-0.0495442	84.4	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.77520296	0.79457045	1.00	-0.0495442	82.5	%	75-125	01/21/2004	1845
							2.5	R	20		
CCV		M0379	0.98137549		1.00		98.1	%	90-110	01/21/2004	1909
CCB			0.00510172							01/21/2004	1920
CCV		M0379	0.98317723		1.00		98.3	%	90-110	01/21/2004	2007
CCB			-0.0034012							01/21/2004	2016
MB		3010	-0.0010778							01/21/2004	2023
LCS		M348	0.49283880		0.500		98.6	%	82-111	01/21/2004	2030
RIN			0.00919611							01/21/2004	2036
MS	222684-1	M348	0.50785104		0.500	-0.0134383	104.3	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.48967575	0.50785104	0.500	-0.0134383	100.6	%	75-125	01/21/2004	2100
							3.6	R	20		
CCV		M0379	0.97561319		1.00		97.6	%	90-110	01/21/2004	2115
CCB			0.00499129							01/21/2004	2126
CCV		M0379	0.99193455		1.00		99.2	%	90-110	01/21/2004	2217
CCB			0.00148866							01/21/2004	2226
MB		3010	0.00069344							01/21/2004	2233
LCS		M348	0.48073357		0.500		96.1	%	82-111	01/21/2004	2241
CCV		M0379	0.99899799		1.00		99.9	%	90-110	01/21/2004	2313
CCB			0.00864220							01/21/2004	2324
MS	222775-3	M348	0.49152762		0.500	0.00608395	97.1	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.49266239	0.49152762	0.500	0.00608395	97.3	%	75-125	01/21/2004	2344
							0.2	R	20		
CCV		M0379	1.01410391		1.00		101.4	%	90-110	01/22/2004	0012
CCB			-0.0010716							01/22/2004	0018

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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	0.99571190		1.0		99.6	%	90-110	01/21/2004	1054
ICV		M0369	1.03270964		1.00		103.3	%	90-110	01/21/2004	1118
CCB			-0.0007147							01/21/2004	1141
ICB			0.00011870							01/21/2004	1151
CCV		M0379	0.51027890		0.50		102.1	%	90-110	01/21/2004	1207
CCB			-0.0005644							01/21/2004	1218
CCV		M0379	0.50975744		0.50		102.0	%	90-110	01/21/2004	1307
CCB			-0.0003104							01/21/2004	1316
CCV		M0379	0.49995899		0.50		100.0	%	90-110	01/21/2004	1410
CCB			-0.0003956							01/21/2004	1421
MB		3050.	0.00020706							01/21/2004	1628
LCS		M348	0.26181524		0.25		104.7	%	81-110	01/21/2004	1632
PDS	222714-9	M348C	0.32960739		0.50	-0.0025183	66.4	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.19994819	0.32960739	0.50	-0.0025183	40.5	%	75-125	01/21/2004	1652
							49.0	R	20		
CCV		M0379	0.50680903		0.50		101.4	%	90-110	01/21/2004	1710
CCB			-0.0002316							01/21/2004	1719
MB		3050.	-0.0008176							01/21/2004	1757
LCS		M348	0.25548531		0.25		102.2	%	87-110	01/21/2004	1800
CCV		M0379	0.49641803		0.50		99.3	%	90-110	01/21/2004	1810
CCB			-0.0010549							01/21/2004	1819
PDS	222710-3	M348C	0.52140008		0.50	-0.0012153	104.5	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.50118313	0.52140008	0.50	-0.0012153	100.5	%	75-125	01/21/2004	1845
							4.0	R	20		
CCV		M0379	0.49707301		0.50		99.4	%	90-110	01/21/2004	1909
CCB			-0.0003227							01/21/2004	1920
CCV		M0379	0.49542984		0.50		99.1	%	90-110	01/21/2004	2007
CCB			0.00029221							01/21/2004	2016
MB		3010	-0.0006198							01/21/2004	2023
LCS		M348	0.25099666		0.25		100.4	%	87-110	01/21/2004	2030
RIN			-0.0002493							01/21/2004	2036
MS	222684-1	M348	0.09743145		0.25	-0.0011071	39.4	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.10412069	0.09743145	0.25	-0.0011071	42.1	%	75-125	01/21/2004	2100
							6.6	R	20		
CCV		M0379	0.49221744		0.50		98.4	%	90-110	01/21/2004	2115
CCB			-0.0003966							01/21/2004	2126
CCV		M0379	0.49166395		0.50		98.3	%	90-110	01/21/2004	2217
CCB			0.00065302							01/21/2004	2226
MB		3010	0.00027305							01/21/2004	2233
CCV		M0379	0.49970785		0.50		99.9	%	90-110	01/21/2004	2313
CCB			-0.0005023							01/21/2004	2324
MS	222775-3	M348	0.24498228		0.25	-0.0004590	98.2	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.21789800	0.24498228	0.25	-0.0004590	87.3	%	75-125	01/21/2004	2344
							11.7	R	20		
CCV		M0379	0.49628871		0.50		99.3	%	90-110	01/22/2004	0012
CCB			-0.0000087							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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
RS		M0371	2.03775490		2.00		101.9	%	90-110	01/21/2004	1057
ICV		M0374	0.99795800		1.00		99.8	%	90-110	01/21/2004	1136
CCB			0.00649154							01/21/2004	1141
ICB			0.00535615							01/21/2004	1151
CCV		M0379	2.06548756		2.00		103.3	%	90-110	01/21/2004	1207
CCB			0.00237316							01/21/2004	1218
CCV		M0379	2.02720614		2.00		101.4	%	90-110	01/21/2004	1307
CCB			-0.0012976							01/21/2004	1316
CCV		M0379	1.99702985		2.00		99.9	%	90-110	01/21/2004	1410
CCB			0.00135901							01/21/2004	1421
MB		3050	-0.0005319							01/21/2004	1625
LCS		M348	1.08072543		1.00		108.1	%	82-111	01/21/2004	1632
PDS	222714-9	M348C	1.13774889		2.00	-0.0117884	57.5	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	1.38800384	1.13774889	2.00	-0.0117884	70.0	%	75-125	01/21/2004	1652
							19.8	R	20		
CCV		M0379	2.01777392		2.00		100.9	%	90-110	01/21/2004	1710
CCB			0.00060736							01/21/2004	1719
3		3050.	0.00273801							01/21/2004	1757
LCS		M348	1.06176845		1.00		106.2	%	83-118	01/21/2004	1800
CCV		M0379	1.94833978		2.00		97.4	%	90-110	01/21/2004	1810
CCB			0.00020316							01/21/2004	1819
PDS	222710-3	M348C	1.81277022		2.00	-0.0116911	91.2	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	1.84212626	1.81277022	2.00	-0.0116911	92.7	%	75-125	01/21/2004	1845
							1.6	R	20		
CCV		M0379	1.96307841		2.00		98.2	%	90-110	01/21/2004	1909
CCB			0.00057050							01/21/2004	1920
CCV		M0379	1.95689721		2.00		97.8	%	90-110	01/21/2004	2007
CCB			0.00053752							01/21/2004	2016
MB		3010	-0.0035323							01/21/2004	2023
LCS		M348	0.99495905		1.00		99.5	%	83-118	01/21/2004	2030
RIN			-0.0082278							01/21/2004	2036
MS	222684-1	M348	1.00972944		1.00	-0.0242343	103.4	%	75-125	01/21/2004	2054
MSD	222684-1	M348	1.01089798	1.00972944	1.00	-0.0242343	103.5	%	75-125	01/21/2004	2100
							0.1	R	20		
CCV		M0379	1.97756597		2.00		98.9	%	90-110	01/21/2004	2115
CCB			0.00434584							01/21/2004	2126
CCV		M0379	1.98648139		2.00		99.3	%	90-110	01/21/2004	2217
CCB			0.00171838							01/21/2004	2226
MB		3010	-0.0041916							01/21/2004	2233
LCS		M348	1.01179054		1.00		101.2	%	83-118	01/21/2004	2241
CCV		M0379	1.99873856		2.00		99.9	%	90-110	01/21/2004	2313
CCB			0.00224020							01/21/2004	2324
MS	222775-3	M348	1.02471456		1.00	-0.0070668	103.2	%	75-125	01/21/2004	2339
MSD	222775-3	M348	1.02077094	1.02471456	1.00	-0.0070668	102.8	%	75-125	01/21/2004	2344
							0.4	R	20		
CCV		M0379	2.02322768		2.00		101.2	%	90-110	01/22/2004	0012
CCB			0.00164137							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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		M0370	2.00040512		2.00		100.0	%	90-110	01/21/2004	1054
ICV		M0368	1.00258407		1.00		100.3	%	90-110	01/21/2004	1112
ICV		M0356	0.98972892		1.00		99.0	%	90-110	01/21/2004	1127
CCB			-0.0005902							01/21/2004	1141
ICB			-0.0006307							01/21/2004	1151
CCV		M0379	1.00100208		1.00		100.1	%	90-110	01/21/2004	1207
CCB			-0.0002668							01/21/2004	1218
CCV		M0379	1.00169799		1.00		100.2	%	90-110	01/21/2004	1307
CCB			0.00018312							01/21/2004	1316
CCV		M0379	0.97779857		1.00		97.8	%	90-110	01/21/2004	1410
CCB			-0.0001497							01/21/2004	1421
MB		3050.	-0.0005513							01/21/2004	1628
LCS		M348	0.51811887		0.500		103.6	%	87-110	01/21/2004	1632
PDS	222714-9	M348C	0.90001363		1.00	0.25162876	64.8	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	0.92202068	0.90001363	1.00	0.25162876	67.0	%	75-125	01/21/2004	1652
							2.4	R	20		
CCV		M0379	1.00106091		1.00		100.1	%	90-110	01/21/2004	1710
CCB			-0.0000441							01/21/2004	1719
MB		3050.	-0.0007328							01/21/2004	1757
LCS		M348	0.51089340		0.500		102.2	%	89-110	01/21/2004	1800
CCV		M0379	0.97783639		1.00		97.8	%	90-110	01/21/2004	1810
CCB			-0.0003744							01/21/2004	1819
PDS	222710-3	M348C	1.00296246		1.00	0.18196810	82.1	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	0.99474275	1.00296246	1.00	0.18196810	81.3	%	75-125	01/21/2004	1845
							0.8	R	20		
CCV		M0379	0.97927129		1.00		97.9	%	90-110	01/21/2004	1909
CCB			-0.0002682							01/21/2004	1920
CCV		M0379	0.97623004		1.00		97.6	%	90-110	01/21/2004	2007
CCB			0.00080846							01/21/2004	2016
MB		3010	-0.0002450							01/21/2004	2023
LCS		M348	0.49252415		0.500		98.5	%	89-110	01/21/2004	2030
RIN			-0.0001372							01/21/2004	2036
MS	222684-1	M348	0.51734975		0.500	0.00189151	103.1	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.51277138	0.51734975	0.500	0.00189151	102.2	%	75-125	01/21/2004	2100
							0.9	R	20		
CCV		M0379	0.97166129		1.00		97.2	%	90-110	01/21/2004	2115
CCB			-0.0002309							01/21/2004	2126
CCV		M0379	0.97448363		1.00		97.4	%	90-110	01/21/2004	2217
CCB			0.00022665							01/21/2004	2226
MB		3010	0.00012892							01/21/2004	2233
LCS		M348	0.48622433		0.500		97.2	%	89-110	01/21/2004	2241
CCV		M0379	0.98361398		1.00		98.4	%	90-110	01/21/2004	2313
CCB			0.00000387							01/21/2004	2324
MS	222775-3	M348	0.48885912		0.500	-0.0002356	97.8	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.48467452	0.48885912	0.500	-0.0002356	97.0	%	75-125	01/21/2004	2344
							0.9	R	20		
CCV		M0379	0.97884235		1.00		97.9	%	90-110	01/22/2004	0012
CCB			-0.0005879							01/22/2004	0023

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222789 Report Date.: 02/12/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89271 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		M0370	1.99887217		2.00		99.9	%	90-110	01/21/2004	1054
ICV		M0368	1.02667736		1.00		102.7	%	90-110	01/21/2004	1112
ICV		M0356	1.02071653		1.00		102.1	%	90-110	01/21/2004	1127
CCB			-0.0011434							01/21/2004	1141
ICB			-0.0012170							01/21/2004	1151
CCV		M0379	1.02736329		1.00		102.7	%	90-110	01/21/2004	1207
CCB			0.00067905							01/21/2004	1218
CCV		M0379	1.02531573		1.00		102.5	%	90-110	01/21/2004	1307
CCB			0.00078659							01/21/2004	1316
CCV		M0379	0.99743953		1.00		99.7	%	90-110	01/21/2004	1410
CCB			0.00034181							01/21/2004	1421
MB		3050	0.00048943							01/21/2004	1625
LCS		M348	0.51680973		0.500		103.4	%	85-110	01/21/2004	1632
PDS	222714-9	M348C	1.09260998		1.00	0.47214288	62.0	%	75-125	01/21/2004	1646
PSD	222714-9	M348C	1.11997031	1.09260998	1.00	0.47214288	64.8	%	75-125	01/21/2004	1652
							2.5	R	20		
CCV		M0379	0.98741367		1.00		98.7	%	90-110	01/21/2004	1710
CCB			0.00108162							01/21/2004	1719
MB		3050.	0.03176787							01/21/2004	1757
LCS		M348	0.51412040		0.500		102.8	%	86-110	01/21/2004	1800
CCV		M0379	0.96015005		1.00		96.0	%	90-110	01/21/2004	1810
CCB			0.00080984							01/21/2004	1819
PDS	222710-3	M348C	1.13335578		1.00	0.34852970	78.5	%	75-125	01/21/2004	1839
PSD	222710-3	M348C	1.12530736	1.13335578	1.00	0.34852970	77.7	%	75-125	01/21/2004	1845
							0.7	R	20		
CCV		M0379	0.96126513		1.00		96.1	%	90-110	01/21/2004	1909
CCB			0.00052500							01/21/2004	1920
CCV		M0379	0.95654323		1.00		95.7	%	90-110	01/21/2004	2007
CCB			0.00057934							01/21/2004	2016
MB		3010	-0.0018066							01/21/2004	2023
LCS		M348	0.48337463		0.500		96.7	%	86-110	01/21/2004	2030
RIN			-0.0019040							01/21/2004	2036
MS	222684-1	M348	0.50285976		0.500	0.00343024	99.9	%	75-125	01/21/2004	2054
MSD	222684-1	M348	0.49850947	0.50285976	0.500	0.00343024	99.0	%	75-125	01/21/2004	2100
							0.9	R	20		
CCV		M0379	0.97837492		1.00		97.8	%	90-110	01/21/2004	2115
CCB			0.00025556							01/21/2004	2126
CCV		M0379	0.99054885		1.00		99.1	%	90-110	01/21/2004	2217
CCB			-0.0004253							01/21/2004	2226
MB		3010	-0.0025430							01/21/2004	2233
LCS		M348	0.48697366		0.500		97.4	%	86-110	01/21/2004	2241
CCV		M0379	1.00494585		1.00		100.5	%	90-110	01/21/2004	2313
CCB			0.00036885							01/21/2004	2324
MS	222775-3	M348	0.50117666		0.500	-0.0007987	100.4	%	75-125	01/21/2004	2339
MSD	222775-3	M348	0.49546575	0.50117666	0.500	-0.0007987	99.3	%	75-125	01/21/2004	2344
							1.1	R	20		
CCV		M0379	1.00770860		1.00		100.8	%	90-110	01/22/2004	0012
CCB			-0.0000891							01/22/2004	0023

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

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Original

Subcontract Laboratory

Report

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Certificate of Analysis

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ANALYTICAL REPORT

Encycle/Asarco

Lot #: I4A220292

Olga McDonald

STL Corpus Christi
1733 North Padre Island Drive
Corpus Christi, TX 78408

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

February 6, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

February 6, 2004

STL LOT NUMBER: **I4A220292**

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 January 22, 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

I4A220292

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
222789-1 01/20/04 16:00 001				
Cadmium	83.3	1.0	ug/L	SW846 6020
Antimony	3.2 J	1.0	ug/L	SW846 6020
Thallium	2.6	1.0	ug/L	SW846 6020
222789-2 01/20/04 16:00 002				
Cadmium	57.0	1.0	ug/L	SW846 6020
Antimony	2.1 J	1.0	ug/L	SW846 6020
Thallium	1.6	1.0	ug/L	SW846 6020

ANALYTICAL METHODS SUMMARY

I4A220292

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
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

I4A220292

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F8ENV	001	222789-1	01/20/04	16:00
F8EN1	002	222789-2	01/20/04	16:00
F8EN4	003	222789-3	01/20/04	16:25

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

I4A220292

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 6020		4026449	
	WATER	SW846 6010B		4026449	4026199
002	WATER	SW846 6020		4026449	
	WATER	SW846 6010B		4026449	4026199
003	WATER	SW846 6020		4026449	
	WATER	SW846 6010B		4026449	4026199

STL CORPUS CHRISTI

Client Sample ID: 222789-1

TOTAL Metals

Lot-Sample #...: I4A220292-001 **Matrix.....:** WATER
Date Sampled...: 01/20/04 16:00 **Date Received..:** 01/22/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4026449						
Bismuth	ND	0.20	mg/L	SW846 6010B	01/26-01/27/04	F8ENV1AE
		Dilution Factor: 1		Analysis Time..: 14:42	MS Run #.....: 4026199	
Cadmium	**83.3**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8ENV1AA**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....:	
Antimony	**3.2 J**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8ENV1AC**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....:	
Thallium	**2.6**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8ENV1AD**
		Dilution Factor: 1		Analysis Time..: 19:51	MS Run #.....:	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL CORPUS CHRISTI

Client Sample ID: 222789-2

TOTAL Metals

Lot-Sample #...: I4A220292-002 Matrix.....: WATER
Date Sampled...: 01/20/04 16:00 Date Received..: 01/22/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4026449						
Bismuth	ND	0.20	mg/L	SW846 6010B	01/26-01/27/04	F8EN11AE
		Dilution Factor: 1		Analysis Time..: 04:47	MS Run #.....: 4026199	
Cadmium	**57.0**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8EN11AA**
		Dilution Factor: 1		Analysis Time..: 19:58	MS Run #.....:	
Antimony	**2.1 J**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8EN11AC**
		Dilution Factor: 1		Analysis Time..: 19:58	MS Run #.....:	
Thallium	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8EN11AD**
		Dilution Factor: 1		Analysis Time..: 19:58	MS Run #.....:	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL CORPUS CHRISTI

Client Sample ID: 222789-3

TOTAL Metals

Lot-Sample #...: I4A220292-003 **Matrix.....:** WATER
Date Sampled...: 01/20/04 16:25 **Date Received..:** 01/22/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4026449						
Bismuth	ND	0.20	mg/L	SW846 6010B	01/26-01/27/04	F8EN41AE
		Dilution Factor: 1		Analysis Time..: 14:52	MS Run #.....: 4026199	
Cadmium	ND	1.0	ug/L	SW846 6020	01/26-01/29/04	F8EN41AA
		Dilution Factor: 1		Analysis Time..: 20:04	MS Run #.....:	
Antimony	ND	1.0	ug/L	SW846 6020	01/26-01/29/04	F8EN41AC
		Dilution Factor: 1		Analysis Time..: 20:04	MS Run #.....:	
Thallium	ND	1.0	ug/L	SW846 6020	01/26-01/29/04	F8EN41AD
		Dilution Factor: 1		Analysis Time..: 20:04	MS Run #.....:	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I4A220292 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4A260000-449 **Prep Batch #...:** 4026449						
Antimony	**1.1**	**1.0**	**ug/L**	**SW846 6020**	**01/26-01/29/04**	**F8KCH1AJ**
		Dilution Factor: 1				
		Analysis Time..: 19:39				
Bismuth	ND	0.20	mg/L	SW846 6010B	01/26-01/27/04	F8KCH1AD
		Dilution Factor: 1				
		Analysis Time..: 14:27				
Cadmium	ND	1.0	ug/L	SW846 6020	01/26-01/29/04	F8KCH1AH
		Dilution Factor: 1				
		Analysis Time..: 19:39				
Thallium	ND	1.0	ug/L	SW846 6020	01/26-01/29/04	F8KCH1AK
		Dilution Factor: 1				
		Analysis Time..: 19:39				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4A220292 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4A260000-449 **Prep Batch #...:** 4026449					
Bismuth	102	(80 - 120)	SW846 6010B	01/26-01/27/04	F8KCH1AF
		Dilution Factor: 1	Analysis Time..: 14:32		
Cadmium	1010 N	(80 - 120)	SW846 6020	01/26-01/29/04	F8KCH1AL
		Dilution Factor: 1	Analysis Time..: 19:45		
Antimony	1010 N	(80 - 120)	SW846 6020	01/26-01/29/04	F8KCH1AM
		Dilution Factor: 1	Analysis Time..: 19:45		
Thallium	999 N	(80 - 120)	SW846 6020	01/26-01/29/04	F8KCH1AN
		Dilution Factor: 1	Analysis Time..: 19:45		

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 #...: I4A220292 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4A260000-449 **Prep Batch #...:** 4026449							
Bismuth	0.500	0.508	mg/L	102	SW846 6010B	01/26-01/27/04	F8KCH1AF
			Dilution Factor: 1		Analysis Time..: 14:32		
Cadmium	50.0	506 N	ug/L	1010	SW846 6020	01/26-01/29/04	F8KCH1AL
			Dilution Factor: 1		Analysis Time..: 19:45		
Antimony	50.0	505 N	ug/L	1010	SW846 6020	01/26-01/29/04	F8KCH1AM
			Dilution Factor: 1		Analysis Time..: 19:45		
Thallium	50.0	499 N	ug/L	999	SW846 6020	01/26-01/29/04	F8KCH1AN
			Dilution Factor: 1		Analysis Time..: 19:45		

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 #...: I4A220292 **Matrix.....:** WATER
Date Sampled...: 01/20/04 13:11 **Date Received..:** 01/21/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A210205-002 **Prep Batch #...:** 4026449							
Bismuth	100	(75 - 125)			SW846 6010B	01/26-01/27/04	F8A3G1AF
	99	(75 - 125)	1.2	(0-20)	SW846 6010B	01/26-01/27/04	F8A3G1AG

Dilution Factor: 1
Analysis Time..: 15:27
MS Run #.....: 4026199

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4A220292 **Matrix.....:** WATER
Date Sampled...: 01/20/04 13:11 **Date Received..:** 01/21/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A210205-002 **Prep Batch #...:** 4026449									
Bismuth									
	ND	0.500	0.506	mg/L	100		SW846 6010B	01/26-01/27/04	F8A3G1AF
	ND	0.500	0.500	mg/L	99	1.2	SW846 6010B	01/26-01/27/04	F8A3G1AG

Dilution Factor: 1
Analysis Time..: 15:27
MS Run #.....: 4026199

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Report Attachment

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.1 COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2 Fluoride: Preliminary Bellack distillation not performed.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
Iowa OA-1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples are not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

SEVERN TRENT STL

CHAIN-OF-CUSTODY ADDENDUM

Lot No: J4A220292

RECEIVED BY: [signature]

COC NUMBER:

DATE/TIME RECEIVED: 1-22-04 0900

QUOTE/PROFILE: 56822

UNPACKED DATE/TIME: 1-22-04 1000

CLIENT/PROJECT:

SAMPLES LOGGED IN: CC

LOG-IN REVIEWED: [illegible]

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

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

See Additional Comments: ☐ YES ☐ NO

Packing Material Used: (circle)
None / Absorbent / Paper / Bubble Wrap

Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT: CC **PYROMETER #:** 85

The temperature of the container(s) is: *[acceptable tolerance 4°C ± 2°; (NC, WI: 1-4.4°C)]*

30°C										

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:**

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: ☐ 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 VOAs 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

9 SHIPPING DOCUMENTATION

Air/freight bill is available and attached to COC: ☐ YES ☑ NO Air bill #: 7925 5449 1547

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:

COC Addendum number is noted in the 'Comments' section of COC, as required for Horizon LIMS. ☐ YES ☑ N/A

Project Management: [signature] Date: 2/6/04

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SEVERN TRENT **STL**

STL-Austin

No. 22047

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: STL Corpus Christi	PROJECT NAME/NUMBER:
SEND REPORT TO: Olga McDonald	**BILLING INFORMATION**
ADDRESS: 1733 N.P.I.D. Corpus Christi, TX 78408	BILL TO: Same
	ADDRESS:
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: ICP-MS Sb, Cd, Tl, Bi	REMARKS/PRECAUTIONS
	222789-1	1/20/04	1600	water	P500	HNO_3	1	✓	Encycle/ABARCO Pricing
	↓ -2	↓	1600	↓	↓	↓	↓	✓	Attn: Neil Salcher
	↓ -3	↓	1625	↓	↓	↓	↓	✓	3.0° C 1-22-04 CI

SAMPLER: SHIPMENT METHOD: 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: Christine Whitmore	1/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1455	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: [signature]	1-22-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL Austin	TIME 0900	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**

STL-Austin

No. 22047

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: STL Corpus Christi	PROJECT NAME/NUMBER:
SEND REPORT TO: Olga McDonald	**BILLING INFORMATION**
ADDRESS: 1733 N.P.I.D.	BILL TO: Same
Corpus Christi, TX 78408	ADDRESS:
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: ICP-MS Sb, Cd, Tl, Bi	REMARKS/PRECAUTIONS
	222789-1	1/20/04	1600	water	P500	HNO_3	1	✓	Encycle/ASARCO Pricing
	-2	↓	1600	↓	↓	↓	↓	✓	Attn: Neil Salcher
	-3	↓	1625	↓	↓	↓	↓	✓	5.0° C 1-22-04 CL

SAMPLER: SHIPMENT METHOD: 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: Christie Whitmire	1/21/04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL-CC	TIME 1455	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
1. RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	1-22-04	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: STL Austin	TIME 0900	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

STL8222-500 (12/02)

End of

Subcontract Laboratory

Report(s)

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/12/2004

(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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/12/2004

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.

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ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

222789

5.3°C Just sampled

Project Number/Name: Encyle-Texas Trust Fund

Project Location: Corpus Christi, TX

Laboratory: STL Corpus Christi

Project Manager: Ken Brandon

Sampler(s)/Affiliation: Ken Brandon / ARCADIS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total Sb, As, Ba, Bi, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Ag, Thallium, Tin, V, Zn (2 16-oz poly w/ HNO3)		Total Cyanide (32 oz poly w/ NaOH)		Total As, Ba, Cd, Cr, Pb, Hg, Se, Ag (16 oz poly w/ HNO3)		Remarks	Total
Fac 3-Permit Hed Floor	L	1/20/04 16:00		2		1					3
Fac 3-Permit Hed Floor DUP	L	16:00		2		1					3
Field Blank	L	16:20		2		1					3
Tank 695096	L	16:25						1			1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 10

Relinquished by: Kenneth Brandon	Organization: ARCADIS	Date 1/20/04	Time 1640	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CC	Date 1/20/04	Time 1640	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Normal turnaround. Results to Ken Brandon. Invoice to Rich Marcus of Encyle. Samples delivered in coolers with ice.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AG 05-12/01

APPENDIX F

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

ARCADIS

Appendix F

Encycle Constituents of Concern

APPENDIX G

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".

ARCADIS

Appendix G

Soil Background Concentrations

APPENDIX H

ARCADIS

Appendix H

Laboratory Reports – Soil Samples

SEVERN TRENT STL

RECEIVED
MAR 0 1 2004
BY:

ANALYTICAL REPORT

JOB NUMBER: 222804

Prepared For:

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

Attention: Ken Brandner

Date: 02/24/2004

Signature

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

2/26/04
Date

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

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

TOTAL # OF PAGES 45

SEVERN TRENT STL

CASE NARRATIVE

Job Number 222804

February 24, 2004

Total Metals Analysis

Sample 222804-1 was analyzed for total metals using EPA Method 6010B. The percent recovery result for barium in the matrix spike duplicate associated with this sample was above the acceptance criteria. The associated LCS was within acceptable limits and it appears the data are due to the sample matrix.

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

Olga Verónica McDonald
Project Manager

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 02/24/2004

Job Number.: 222804
Customer...: Encycle Texas, Inc.
Attn.....: Richard Marcus

Project Number.....: 98000084
Customer Project ID....: ENCYCLE TEXAS TRUST FUND
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222804-1	FACILITY 3,CRACK 1,0-0.5'	Soil	01/21/2004	09:25	01/21/2004	13:57
222804-2	FACILITY 3,CRACK 1,2-2.5'	Soil	01/21/2004	09:35	01/21/2004	13:57
222804-3	FACILITY 3,CRACK 2,0-0.5'	Soil	01/21/2004	10:00	01/21/2004	13:57
222804-4	FACILITY 3,CRACK 2,1.5-2'	Soil	01/21/2004	10:10	01/21/2004	13:57
222804-5	FACILITY 3,CRACK 3,0-0.5'	Soil	01/21/2004	10:40	01/21/2004	13:57
222804-6	FACILITY 3,CRACK 3,2-2.5'	Soil	01/21/2004	10:50	01/21/2004	13:57

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 1,0-0.5'
Date Sampled.....: 01/21/2004
Time Sampled.....: 09:25
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-1
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	1.1	0.2	mg/Kg	01/26/04	edr
EPA 9010B/9014	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	01/22/04	cnw
EPA 9013	Cyanide Extraction for Solids & Oils, Solid	Complete			01/21/04	cnw
SW-846 6010B	Arsenic (As), Solid	5	1	mg/Kg	01/22/04	jem
SW-846 6010B	Barium (Ba), Solid	24	1	mg/Kg	01/22/04	jem
SW-846 6010B	Chromium (Cr), Solid	4	1	mg/Kg	01/22/04	jem
SW-846 6010B	Cobalt (Co), Solid	4	1	mg/Kg	01/22/04	jem
SW-846 6010B	Copper (Cu), Solid	6	1	mg/Kg	01/22/04	jem
SW-846 6010B	Lead (Pb), Solid	7	1	mg/Kg	01/22/04	jem
SW-846 6010B	Manganese (Mn), Solid	188	1	mg/Kg	01/22/04	jem
SW-846 6010B	Nickel (Ni), Solid	2060	1	mg/Kg	01/22/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	01/22/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	01/22/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	01/22/04	jem
SW-846 6010B	Vanadium (V), Solid	10	1	mg/Kg	01/22/04	jem
SW-846 6010B	Zinc (Zn), Solid	4060	1	mg/Kg	01/22/04	jem
SW-846 3010A	Acid Digestion, Total Metals, SPLP	Complete			02/10/04	hmz
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			01/22/04	hmz
SW-846 6010B	SPLP Metals Analysis (ICAP)					
	Cadmium (Cd)	0.02	0.01	mg/L	02/11/04	jem
	Nickel (Ni)	0.62	0.01	mg/L	02/11/04	jem
SW-846 1312	Synthetic Precipitation Leaching Proc.					
	Metals Analysis	Complete			02/09/04	hmz
	Glass Jar Extraction - West	Complete			02/09/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 1,2-2.5'
Date Sampled.....: 01/21/2004
Time Sampled.....: 09:35
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-2
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.1	0.1	mg/Kg	02/11/04	edr
SW-846 6010B	Nickel (Ni), Solid	230	1	mg/Kg	02/09/04	jem
SW-846 6010B	Zinc (Zn), Solid	1400	1	mg/Kg	02/09/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			02/09/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 2,0-0.5'
Date Sampled.....: 01/21/2004
Time Sampled.....: 10:00
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-3
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.1	0.1	mg/Kg	01/26/04	edr
EPA 9010B/9014	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	01/22/04	cnw
EPA 9013	Cyanide Extraction for Solids & Oils, Solid	Complete			01/21/04	cnw
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	01/22/04	jem
SW-846 6010B	Barium (Ba), Solid	27	1	mg/Kg	01/22/04	jem
SW-846 6010B	Chromium (Cr), Solid	5	1	mg/Kg	01/22/04	jem
SW-846 6010B	Cobalt (Co), Solid	3	1	mg/Kg	01/22/04	jem
SW-846 6010B	Copper (Cu), Solid	4	1	mg/Kg	01/22/04	jem
SW-846 6010B	Lead (Pb), Solid	4	1	mg/Kg	01/22/04	jem
SW-846 6010B	Manganese (Mn), Solid	123	1	mg/Kg	01/22/04	jem
SW-846 6010B	Nickel (Ni), Solid	2340	1	mg/Kg	01/22/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	01/22/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	01/22/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	01/22/04	jem
SW-846 6010B	Vanadium (V), Solid	11	1	mg/Kg	01/22/04	jem
SW-846 6010B	Zinc (Zn), Solid	338	1	mg/Kg	01/22/04	jem
SW-846 3010A	Acid Digestion, Total Metals, SPLP	Complete			02/10/04	hmz
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			01/22/04	hmz
SW-846 6010B	SPLP Metals Analysis (ICAP)					
	Cadmium (Cd)	0.03	0.01	mg/L	02/11/04	jem
	Nickel (Ni)	0.93	0.01	mg/L	02/11/04	jem
SW-846 1312	Synthetic Precipitation Leaching Proc.					
	Metals Analysis	Complete			02/09/04	hmz
	Glass Jar Extraction - West	Complete			02/09/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 2,1.5-2'
Date Sampled.....: 01/21/2004
Time Sampled.....: 10:10
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-4
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Nickel (Ni), Solid	2220	1	mg/Kg	02/09/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			02/09/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 3,0-0.5'
Date Sampled.....: 01/21/2004
Time Sampled.....: 10:40
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-5
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.1	0.1	mg/Kg	01/26/04	edr
EPA 9010B/9014	Cyanide, Total, Solid	<1.0	1.0	mg/Kg	01/22/04	cnw
EPA 9013	Cyanide Extraction for Solids & Oils, Solid	Complete			01/21/04	cnw
SW-846 6010B	Arsenic (As), Solid	11	1	mg/Kg	01/22/04	jem
SW-846 6010B	Barium (Ba), Solid	104	1	mg/Kg	01/22/04	jem
SW-846 6010B	Chromium (Cr), Solid	5	1	mg/Kg	01/22/04	jem
SW-846 6010B	Cobalt (Co), Solid	6	1	mg/Kg	01/22/04	jem
SW-846 6010B	Copper (Cu), Solid	7	1	mg/Kg	01/22/04	jem
SW-846 6010B	Lead (Pb), Solid	4	1	mg/Kg	01/22/04	jem
SW-846 6010B	Manganese (Mn), Solid	257	1	mg/Kg	01/22/04	jem
SW-846 6010B	Nickel (Ni), Solid	3050	1	mg/Kg	01/22/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	01/22/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	01/22/04	jem
SW-846 6010B	Tin (Sn), Solid	<2	2	mg/Kg	01/22/04	jem
SW-846 6010B	Vanadium (V), Solid	14	1	mg/Kg	01/22/04	jem
SW-846 6010B	Zinc (Zn), Solid	7590	1	mg/Kg	01/22/04	jem
SW-846 3010A	Acid Digestion, Total Metals, SPLP	Complete			02/10/04	hmz
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			01/22/04	hmz
SW-846 6010B	SPLP Metals Analysis (ICAP)					
	Cadmium (Cd)	0.77	0.01	mg/L	02/11/04	jem
	Nickel (Ni)	36.9	0.01	mg/L	02/11/04	jem
SW-846 1312	Synthetic Precipitation Leaching Proc.					
	Metals Analysis	Complete			02/09/04	hmz
	Glass Jar Extraction - West	Complete			02/09/04	hmz

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 222804

Date: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST ATTN: Richard Marcus

Customer Sample ID: FACILITY 3,CRACK 3,2-2.5'
Date Sampled.....: 01/21/2004
Time Sampled.....: 10:50
Sample Matrix.....: Soil

Laboratory Sample ID: 222804-6
Date Received.....: 01/21/2004
Time Received.....: 13:57

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Nickel (Ni), Solid	1500	1	mg/Kg	02/09/04	jem
SW-846 6010B	Zinc (Zn), Solid	2770	1	mg/Kg	02/09/04	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			02/09/04	hmz

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 7471A Batch.....: 89408 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/Kg Test Code.: HGL
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M012604HG	0.00508		0.005000		101.6	%	90-110	01/26/2004	1305
ICB			0.000167							01/26/2004	1307
LCS		M012604LG	0.00492		0.0050		98.4	%	85-115	01/26/2004	1314
MB			0.000106							01/26/2004	1316
MS	222746-22	M012604HG	0.00498		0.005000	0.000217	95.3	%	85-115	01/26/2004	1402
MSD	222746-22	M012604HG	0.00474	0.00498	0.005000	0.000217	90.5	%	85-115	01/26/2004	1404
							4.9	R	20		
CCV		M012604HG	0.00459		0.005000		91.8	%	80-120	01/26/2004	1405
CCB			-0.000146							01/26/2004	1409
CCV		M012604HG	0.00483		0.005000		96.6	%	80-120	01/26/2004	1430
CCB			0.000149							01/26/2004	1434

Test Method.....: SW-846 7471A Batch.....: 89977 Analyst...: edr
Method Description.: Mercury (CVAA) Units.....: mg/Kg Test Code.: HGL
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M021104HG	0.00517		0.005000		103.4	%	90-110	02/11/2004	1232
ICB			0.000019							02/11/2004	1235
LCS		M021104LG	0.00499		0.0050		99.8	%	85-115	02/11/2004	1239
MB			0.000013							02/11/2004	1240
MS	223096-1	M021104HG	0.00521		0.005000	0.000095	102.3	%	85-115	02/11/2004	1248
MSD	223096-1	M021104HG	0.00529	0.00521	0.005000	0.000095	103.9	%	85-115	02/11/2004	1250
							1.5	R	20		
CCV		M021104HG	0.00523		0.005000		104.6	%	80-120	02/11/2004	1258
CCB			0.000145							02/11/2004	1301

Test Method.....: EPA 9010B/9014 Batch.....: 89302 Analyst...: cnw
Method Description.: Cyanide (Colorimetric, Manual) 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		012204	-0.0012							01/22/2004	0930
CCV		CW40122E	100.8323		99.2		101.6	%	80-120	01/22/2004	0954
MB		012204	-0.0010							01/22/2004	1018
LCS		CW40122A	0.0484		0.0478		101.3	%	76-117	01/22/2004	1042
LCS		CW40122B	0.1040		0.0957		108.7	%	76-117	01/22/2004	1106
LCS		CW40122C	0.2071		0.191		108.4	%	76-117	01/22/2004	1130
EB		EX31113B	-0.0306							01/22/2004	1154
MS	222757-1	CW40122D	2.8260		2.39	0.3361	104.2	%	75-125	01/22/2004	1242
MSD	222757-1	CW40122D	3.2892	2.8260	2.39	0.3361	123.6	%	75-125	01/22/2004	1306
							15.1	R	20		
CCB		012204	-0.0028							01/22/2004	1506
CCV		CW40122E	107.5878		99.2		108.5	%	80-120	01/22/2004	1530

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 | Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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	1.96826358		2.00		98.4	%	90-110	01/22/2004	1014
ICV		M0368	1.08020461		1.00		108.0	%	90-110	01/22/2004	1033
ICV		M0356	1.06203942		1.00		106.2	%	90-110	01/22/2004	1048
ICB			-0.0056944							01/22/2004	1108
ICB			-0.0012623							01/22/2004	1121
CCV		M0379	1.02762026		1.00		102.8	%	90-110	01/22/2004	1125
CCB			-0.0008651							01/22/2004	1130
CCB			0.00030434							01/22/2004	1134
CCV		M0379	1.02493439		1.00		102.5	%	90-110	01/22/2004	1229
CCB			0.00010047							01/22/2004	1243
CCV		M0379	1.02645178		1.00		102.6	%	90-110	01/22/2004	1333
CCB			-0.0009319							01/22/2004	1348
CCV		M0379	1.02814164		1.00		102.8	%	90-110	01/22/2004	1428
CCB			0.00362210							01/22/2004	1442
MB		3050	-0.0020237							01/22/2004	1635
LCS		M348	0.54191666		0.500		108.4	%	85-110	01/22/2004	1642
MS	222804-1	M348	0.55555050		0.500	0.07404303	96.3	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.56321040	0.55555050	0.500	0.07404303	97.8	%	75-125	01/22/2004	1717
							1.4	R	20		
CCV		M0379	1.02078353		1.00		102.1	%	90-110	01/22/2004	1723
CCB			0.00095381							01/22/2004	1737
CCV		M0379	1.01923615		1.00		101.9	%	90-110	01/22/2004	1800
CCB			0.00057664							01/22/2004	1815

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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	2.00373680		2.00		100.2	%	90-110	01/22/2004	1014
ICV		M0369	0.99730593		1.00		99.7	%	90-110	01/22/2004	1038
ICB			0.00041953							01/22/2004	1108
ICB			-0.0012333							01/22/2004	1121
CCV		M0379	1.03568344		1.00		103.6	%	90-110	01/22/2004	1125
CCB			0.00075458							01/22/2004	1130
CCB			0.00051763							01/22/2004	1134
CCV		M0379	1.02987210		1.00		103.0	%	90-110	01/22/2004	1229
CCB			0.00056703							01/22/2004	1243
CCV		M0379	1.02888599		1.00		102.9	%	90-110	01/22/2004	1333
CCB			0.00083652							01/22/2004	1348
CCV		M0379	1.03341461		1.00		103.3	%	90-110	01/22/2004	1428
CCB			0.00081319							01/22/2004	1442
MB		3050	-0.0013770							01/22/2004	1635
LCS		M348	0.52043361		0.500		104.1	%	90-110	01/22/2004	1642
MS	222804-1	M348	0.77820747		0.500	0.27786630	100.1	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.96104800	0.77820747	0.500	0.27786630	136.6	%	75-125	01/22/2004	1717
							21.0	R	20		
CCV		M0379	1.02129688		1.00		102.1	%	90-110	01/22/2004	1723
CCB			0.00101778							01/22/2004	1737
CCV		M0379	1.02466187		1.00		102.5	%	90-110	01/22/2004	1800
CCB			0.00103618							01/22/2004	1815

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 | Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 90033 | Analyst...: jem
Method Description.: SPLP 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	1.99419622		2.00		99.7	%	90-110	02/11/2004	1348
ICV		M0368	1.01169041		1.00		101.2	%	90-110	02/11/2004	1407
ICV		M0356	1.00110739		1.00		100.1	%	90-110	02/11/2004	1422
ICB			-0.0003576							02/11/2004	1453
CCV		M0379	0.99974631		1.00		100.0	%	90-110	02/11/2004	1459
CCB			-0.0002849							02/11/2004	1505
CCB			-0.0004598							02/11/2004	1510
CCV		M0379	0.96695359		1.00		96.7	%	90-110	02/11/2004	1558
CCB			-0.0004326							02/11/2004	1613
CCV		M0379	0.95994532		1.00		96.0	%	90-110	02/11/2004	1659
CCB			-0.0003017							02/11/2004	1714
CCV		M0379	0.95992031		1.00		96.0	%	90-110	02/11/2004	1749
CCB			0.00017591							02/11/2004	1754
CCV		M0379	0.95932133		1.00		95.9	%	90-110	02/11/2004	1904
CCB			-0.0003653							02/11/2004	1919
MB		3010	-0.0003122							02/11/2004	1922
'CS		M348	0.48466993		0.500		96.9	%	87-110	02/11/2004	1930
:V		M0379	0.98456954		1.00		98.5	%	90-110	02/11/2004	2007
CCB			-0.0003319							02/11/2004	2022
MS	223092-1	M348	0.49868704		0.500	-0.0007074	99.9	%	75-125	02/11/2004	2034
MSD	223092-1	M348	0.48924527	0.49868704	0.500	-0.0007074	98.0	%	75-125	02/11/2004	2039
							1.9	R	20		
CCV		M0379	0.96677535		1.00		96.7	%	90-110	02/11/2004	2122
CCB			-0.0003349							02/11/2004	2133
CCV		M0379	0.99499549		1.00		99.5	%	90-110	02/11/2004	2222
CCB			-0.0003896							02/11/2004	2236
CCV		M0379	1.00680352		1.00		100.7	%	90-110	02/11/2004	2322
CCB			-0.0002210							02/11/2004	2333

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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	1.99899307		2.00		99.9	%	90-110	01/22/2004	1014
ICV		M0368	1.05584933		1.00		105.6	%	90-110	01/22/2004	1033
ICV		M0356	1.04532284		1.00		104.5	%	90-110	01/22/2004	1048
ICB			-0.0002232							01/22/2004	1108
ICB			-0.0001221							01/22/2004	1121
CCV		M0379	1.02658980		1.00		102.7	%	90-110	01/22/2004	1125
CCB			0.00004509							01/22/2004	1130
CCB			-0.0001894							01/22/2004	1134
CCV		M0379	1.02264118		1.00		102.3	%	90-110	01/22/2004	1229
CCB			-0.0002778							01/22/2004	1243
CCV		M0379	1.02332483		1.00		102.3	%	90-110	01/22/2004	1333
CCB			-0.0002852							01/22/2004	1348
CCV		M0379	1.02987804		1.00		103.0	%	90-110	01/22/2004	1428
CCB			0.00033507							01/22/2004	1442
MB		3050	-0.0000336							01/22/2004	1635
:S		M348	0.51457157		0.500		102.9	%	90-110	01/22/2004	1642
MS	222804-1	M348	0.52757301		0.500	0.04088451	97.3	%	75-125	01/22/2004	1711

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89307 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
MSD	222804-1	M348	0.53554308	0.52757301	0.500	0.04088451	98.9	%	75-125	01/22/2004	1717
							1.5	R	20		
CCV		M0379	1.02065008		1.00		102.1	%	90-110	01/22/2004	1723
CCB			0.00013576							01/22/2004	1737
CCV		M0379	1.02474382		1.00		102.5	%	90-110	01/22/2004	1800
CCB			-0.0000450							01/22/2004	1815

Test Method.....: SW-846 6010B Batch.....: 89307 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		M0370	1.95099683		2.00		97.5	%	90-110	01/22/2004	1014
ICV		M0368	1.03108562		1.00		103.1	%	90-110	01/22/2004	1033
ICV		M0356	1.04058670		1.00		104.1	%	90-110	01/22/2004	1048
CB			0.00007412							01/22/2004	1108
ICB			-0.0001075							01/22/2004	1121
CCV		M0379	1.00501607		1.00		100.5	%	90-110	01/22/2004	1125
CCB			-0.0000112							01/22/2004	1130
CCB			-0.0003993							01/22/2004	1134
CCV		M0379	1.00117469		1.00		100.1	%	90-110	01/22/2004	1229
CCB			-0.0005192							01/22/2004	1243
CCV		M0379	1.00500641		1.00		100.5	%	90-110	01/22/2004	1333
CCB			0.00005978							01/22/2004	1348
CCV		M0379	1.01130600		1.00		101.1	%	90-110	01/22/2004	1428
CCB			-0.0005513							01/22/2004	1442
MB		3050	0.00004622							01/22/2004	1635
LCS		M348	0.50688363		0.500		101.4	%	90-110	01/22/2004	1642
MS	222804-1	M348	0.48832203		0.500	0.05743894	86.2	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.50144282	0.48832203	0.500	0.05743894	88.8	%	75-125	01/22/2004	1717
							2.7	R	20		
CCV		M0379	1.00579522		1.00		100.6	%	90-110	01/22/2004	1723
CCB			0.00008842							01/22/2004	1737
CCV		M0379	1.00660189		1.00		100.7	%	90-110	01/22/2004	1800
CCB			-0.0003405							01/22/2004	1815

Test Method.....: SW-846 6010B Batch.....: 89307 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		M0370	2.01711603		2.00		100.9	%	90-110	01/22/2004	1014
ICV		M0368	1.08076889		1.00		108.1	%	90-110	01/22/2004	1033
ICV		M0356	1.06745400		1.00		106.7	%	90-110	01/22/2004	1048
ICB			0.00289692							01/22/2004	1108
ICB			0.00236463							01/22/2004	1121
CCV		M0379	1.06722907		1.00		106.7	%	90-110	01/22/2004	1125
CB			0.00563350							01/22/2004	1130
CCB			0.00459178							01/22/2004	1134

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 | Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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		M0379	1.06447015		1.00		106.4	%	90-110	01/22/2004	1229
CCB			0.00152829							01/22/2004	1243
CCV		M0379	1.04475432		1.00		104.5	%	90-110	01/22/2004	1333
CCB			0.00241583							01/22/2004	1348
CCV		M0379	1.03736447		1.00		103.7	%	90-110	01/22/2004	1428
CCB			-0.0005141							01/22/2004	1442
MB		3050	-0.0058215							01/22/2004	1635
LCS		M348	0.53765246		0.500		107.5	%	89-112	01/22/2004	1642
MS	222804-1	M348	0.55388290		0.500	0.07194786	96.4	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.56722076	0.55388290	0.500	0.07194786	99.1	%	75-125	01/22/2004	1717
							2.4	R	20		
CCB			0.00006687							01/22/2004	1737
CCV		M0379	1.02977050		1.00		103.0	%	90-110	01/22/2004	1800
CCB			0.00059981							01/22/2004	1815

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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	1.99770832		2.00		99.9	%	90-110	01/22/2004	1014
ICV		M0368	1.06844877		1.00		106.8	%	90-110	01/22/2004	1033
ICV		M0356	1.04588746		1.00		104.6	%	90-110	01/22/2004	1048
ICB			-0.0011463							01/22/2004	1108
ICB			-0.0010335							01/22/2004	1121
CCV		M0379	1.03284578		1.00		103.3	%	90-110	01/22/2004	1125
CCB			0.00051838							01/22/2004	1130
CCB			-0.0017449							01/22/2004	1134
CCV		M0379	1.02632752		1.00		102.6	%	90-110	01/22/2004	1229
CCB			-0.0010061							01/22/2004	1243
CCV		M0379	1.03101403		1.00		103.1	%	90-110	01/22/2004	1333
CCB			-0.0007373							01/22/2004	1348
CCV		M0379	1.03994362		1.00		104.0	%	90-110	01/22/2004	1428
CCB			-0.0016716							01/22/2004	1442
MB		3050	-0.0011309							01/22/2004	1635
LCS		M348	0.50843730		0.500		101.7	%	87-112	01/22/2004	1642
MS	222804-1	M348	0.52031478		0.500	0.10644452	82.8	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.53857404	0.52031478	0.500	0.10644452	86.4	%	75-125	01/22/2004	1717
							3.4	R	20		
CCV		M0379	1.02582961		1.00		102.6	%	90-110	01/22/2004	1723
CCB			-0.0003282							01/22/2004	1737
CCV		M0379	1.02448444		1.00		102.4	%	90-110	01/22/2004	1800
CCB			0.00092544							01/22/2004	1815

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 | Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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		M0370	1.97706795		2.00		98.9	%	90-110	01/22/2004	1014
ICV		M0368	1.02549667		1.00		102.5	%	90-110	01/22/2004	1033
ICV		M0356	0.97096995		1.00		97.1	%	90-110	01/22/2004	1048
ICB			-0.0001113							01/22/2004	1108
ICB			-0.0002484							01/22/2004	1121
CCV		M0379	1.01463726		1.00		101.5	%	90-110	01/22/2004	1125
CCB			-0.0001557							01/22/2004	1130
CCB			-0.0001795							01/22/2004	1134
CCV		M0379	1.01109467		1.00		101.1	%	90-110	01/22/2004	1229
CCB			-0.0002437							01/22/2004	1243
CCV		M0379	1.00903981		1.00		100.9	%	90-110	01/22/2004	1333
CCB			-0.0002436							01/22/2004	1348
CCV		M0379	1.01217667		1.00		101.2	%	90-110	01/22/2004	1428
CCB			-0.0002917							01/22/2004	1442
MB		3050	-0.0003272							01/22/2004	1635
LCS		M348	0.50604841		0.500		101.2	%	88-110	01/22/2004	1642
CCV		M0379	1.00250083		1.00		100.3	%	90-110	01/22/2004	1723
CCB			-0.0002065							01/22/2004	1737
CCV		M0379	1.00307575		1.00		100.3	%	90-110	01/22/2004	1800
CCB			-0.0001746							01/22/2004	1815

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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		M0370	1.99659010		2.00		99.8	%	90-110	01/22/2004	1014
ICV		M0368	1.05597353		1.00		105.6	%	90-110	01/22/2004	1033
ICV		M0356	1.05439388		1.00		105.4	%	90-110	01/22/2004	1048
ICB			-0.0002592							01/22/2004	1108
ICB			-0.0004055							01/22/2004	1121
CCV		M0379	1.03314995		1.00		103.3	%	90-110	01/22/2004	1125
CCB			0.00022445							01/22/2004	1130
CCB			-0.0002981							01/22/2004	1134
CCV		M0379	1.02876481		1.00		102.9	%	90-110	01/22/2004	1229
CCB			-0.0000916							01/22/2004	1243
CCV		M0379	1.03443166		1.00		103.4	%	90-110	01/22/2004	1333
CCB			0.00022338							01/22/2004	1348
CCV		M0379	1.04594848		1.00		104.6	%	90-110	01/22/2004	1428
CCB			0.00008621							01/22/2004	1442
MB		3050	0.00001286							01/22/2004	1635
LCS		M348	0.52414843		0.500		104.8	%	90-112	01/22/2004	1642
CCV		M0379	1.04412336		1.00		104.4	%	90-110	01/22/2004	1723
CCB			0.00173490							01/22/2004	1737
CCV		M0379	1.04516120		1.00		104.5	%	90-110	01/22/2004	1800
CCB			0.00218452							01/22/2004	1815

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89917 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		M0370	1.95556393		2.00		97.8	%	90-110	02/09/2004	1255
ICV		M0368	1.00625858		1.00		100.6	%	90-110	02/09/2004	1314
ICV		M0356	1.00547123		1.00		100.5	%	90-110	02/09/2004	1329
ICB			-0.0009135							02/09/2004	1347
ICB			-0.0006172							02/09/2004	1400
CCV		M0379	0.97925650		1.00		97.9	%	90-110	02/09/2004	1406
CCB			-0.0001316							02/09/2004	1412
CCB			-0.0007931							02/09/2004	1417
MB		3010	-0.0008863							02/09/2004	1421
LCS		M348	0.50304108		0.500		100.6	%	90-112	02/09/2004	1428
MB		3050	0.00275242							02/09/2004	1510
CCV		M0379	0.98873441		1.00		98.9	%	90-110	02/09/2004	1514
CCB			0.00078868							02/09/2004	1528
MB		3050	0.00511988							02/09/2004	1532
LCS		M348	0.51638561		0.500		103.3	%	90-112	02/09/2004	1536
MS	223073-1	M348	0.56312932		0.500	0.12335472	88.0	%	75-125	02/09/2004	1604
MSD	223073-1	M348	0.55732107	0.56312932	0.500	0.12335472	86.8	%	75-125	02/09/2004	1610
							1.0	R	20		
CCV		M0379	0.98662915		1.00		98.7	%	90-110	02/09/2004	1619
CCB			0.00087162							02/09/2004	1634
CCV		M0379	0.98387909		1.00		98.4	%	90-110	02/09/2004	1647
CCB			0.00082656							02/09/2004	1702
MB		3050	0.00027227							02/09/2004	1731
LCS		M348	0.52337361		0.500		104.7	%	90-112	02/09/2004	1738
MS	223096-1	M348	0.50503968		0.500	0.06406873	88.2	%	75-125	02/09/2004	1751
MSD	223096-1	M348	0.50418550	0.50503968	0.500	0.06406873	88.0	%	75-125	02/09/2004	1757
							0.2	R	20		
CCV		M0379	0.98840377		1.00		98.8	%	90-110	02/09/2004	1815
CCB			-0.0000967							02/09/2004	1829
CCV		M0379	0.98376922		1.00		98.4	%	90-110	02/09/2004	1917
CCB			-0.0004862							02/09/2004	1931
CCV		M0379	0.97981456		1.00		98.0	%	90-110	02/09/2004	2003
CCB			-0.0007371							02/09/2004	2018

Test Method.....: SW-846 6010B Batch.....: 90033 Analyst...: jem
Method Description.: SPLP 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		M0370	1.98962814		2.00		99.5	%	90-110	02/11/2004	1348
ICV		M0368	1.01383785		1.00		101.4	%	90-110	02/11/2004	1407
ICV		M0356	1.02255954		1.00		102.3	%	90-110	02/11/2004	1422
ICB			-0.0011349							02/11/2004	1453
CCV		M0379	1.00951563		1.00		101.0	%	90-110	02/11/2004	1459
CCB			-0.0011910							02/11/2004	1505
CCB			-0.0015135							02/11/2004	1510
CCV		M0379	1.01033418		1.00		101.0	%	90-110	02/11/2004	1558
CCB			-0.0013808							02/11/2004	1613
CCV		M0379	1.00305435		1.00		100.3	%	90-110	02/11/2004	1659
CCB			-0.0013825							02/11/2004	1714
CCV		M0379	1.00141178		1.00		100.1	%	90-110	02/11/2004	1749

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 90033 Analyst...: jem
Method Description.: SPLP 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
CCB			-0.0010630							02/11/2004	1754
CCV		M0379	0.99626185		1.00		99.6	%	90-110	02/11/2004	1904
CCB			-0.0015018							02/11/2004	1919
MB		3010	-0.0016671							02/11/2004	1922
LCS		M348	0.50179344		0.500		100.4	%	90-112	02/11/2004	1930
CCV		M0379	1.00536552		1.00		100.5	%	90-110	02/11/2004	2007
CCB			-0.0015603							02/11/2004	2022
MS	223092-1	M348	0.48865184		0.500	0.00546217	96.6	%	75-125	02/11/2004	2034
MSD	223092-1	M348	0.48093394	0.48865184	0.500	0.00546217	95.1	%	75-125	02/11/2004	2039
							1.6	R	20		
CCV		M0379	0.98534516		1.00		98.5	%	90-110	02/11/2004	2122
CCB			-0.0017297							02/11/2004	2133
CCV		M0379	1.00790866		1.00		100.8	%	90-110	02/11/2004	2222
CCB			-0.0010559							02/11/2004	2236
CCV		M0379	1.01122721		1.00		101.1	%	90-110	02/11/2004	2322
CCB			-0.0010563							02/11/2004	2333

Test Method.....: SW-846 6010B Batch.....: 89307 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	1.97034247		2.00		98.5	%	90-110	01/22/2004	1014
ICV		M0368	1.03337722		1.00		103.3	%	90-110	01/22/2004	1033
ICV		M0356	1.00749373		1.00		100.7	%	90-110	01/22/2004	1048
ICB			0.00130696							01/22/2004	1108
ICB			0.00477821							01/22/2004	1121
CCV		M0379	1.01365881		1.00		101.4	%	90-110	01/22/2004	1125
CCB			0.00835048							01/22/2004	1130
CCB			0.00590273							01/22/2004	1134
CCV		M0379	1.00851256		1.00		100.9	%	90-110	01/22/2004	1229
CCB			0.00245870							01/22/2004	1243
CCV		M0379	1.00318410		1.00		100.3	%	90-110	01/22/2004	1333
CCB			0.00493453							01/22/2004	1348
CCV		M0379	1.02201178		1.00		102.2	%	90-110	01/22/2004	1428
CCB			-0.0046904							01/22/2004	1442
MB		3050	-0.0057997							01/22/2004	1635
LCS		M348	0.50894955		0.500		101.8	%	82-111	01/22/2004	1642
MS	222804-1	M348	0.46650049		0.500	-0.0222195	97.7	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.45325211	0.46650049	0.500	-0.0222195	95.1	%	75-125	01/22/2004	1717
							2.9	R	20		
CCV		M0379	1.02169246		1.00		102.2	%	90-110	01/22/2004	1723
CCB			0.00570435							01/22/2004	1737
CCV		M0379	1.02063760		1.00		102.1	%	90-110	01/22/2004	1800
CCB			-0.0036696							01/22/2004	1815

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89307 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	0.97853865		1.0		97.9	%	90-110	01/22/2004	1014
ICV		M0369	1.00456275		1.00		100.5	%	90-110	01/22/2004	1038
ICB			0.00047739							01/22/2004	1108
ICB			0.00052632							01/22/2004	1121
CCV		M0379	0.50207294		0.50		100.4	%	90-110	01/22/2004	1125
CCB			0.00097885							01/22/2004	1130
CCB			0.00048900							01/22/2004	1134
CCV		M0379	0.50184807		0.50		100.4	%	90-110	01/22/2004	1229
CCB			-0.0007154							01/22/2004	1243
CCV		M0379	0.50122503		0.50		100.2	%	90-110	01/22/2004	1333
CCB			0.00028652							01/22/2004	1348
CCV		M0379	0.49715564		0.50		99.4	%	90-110	01/22/2004	1428
CCB			-0.0004312							01/22/2004	1442
MB		3050	-0.0000196							01/22/2004	1635
LCS		M348	0.24980994		0.25		99.9	%	87-110	01/22/2004	1642
MS	222804-1	M348	0.24141058		0.25	0.00213271	95.7	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.24283181	0.24141058	0.25	0.00213271	96.3	%	75-125	01/22/2004	1717
							0.6	R	20		
CCV		M0379	0.49064283		0.50		98.1	%	90-110	01/22/2004	1723
CCB			0.00015525							01/22/2004	1737
CCV		M0379	0.48992966		0.50		98.0	%	90-110	01/22/2004	1800
CCB			0.00033299							01/22/2004	1815

Test Method.....: SW-846 6010B Batch.....: 89307 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
RS		M0371	1.98135764		2.00		99.1	%	90-110	01/22/2004	1018
ICV		M0374	0.99571941		1.00		99.6	%	90-110	01/22/2004	1057
ICB			0.00337726							01/22/2004	1108
ICB			0.00983508							01/22/2004	1121
CCV		M0379	1.99890235		2.00		99.9	%	90-110	01/22/2004	1125
CCB			0.01631933							01/22/2004	1130
CCB			0.00342572							01/22/2004	1134
CCV		M0379	1.96865688		2.00		98.4	%	90-110	01/22/2004	1229
CCB			0.00013665							01/22/2004	1243
CCV		M0379	1.99694543		2.00		99.8	%	90-110	01/22/2004	1333
CCB			0.00236273							01/22/2004	1348
CCV		M0379	1.98674813		2.00		99.3	%	90-110	01/22/2004	1428
CCB			-0.0000228							01/22/2004	1442
MB		3050	0.00013566							01/22/2004	1635
LCS		M348	1.02507344		1.00		102.5	%	83-118	01/22/2004	1642
MS	222804-1	M348	0.89954069		1.00	-0.0228880	92.2	%	75-125	01/22/2004	1711
MSD	222804-1	M348	0.91257648	0.89954069	1.00	-0.0228880	93.5	%	75-125	01/22/2004	1717
							1.4	R	20		
CCV		M0379	1.98444566		2.00		99.2	%	90-110	01/22/2004	1723
CCB			-0.0012158							01/22/2004	1737
CCV		M0379	1.98046028		2.00		99.0	%	90-110	01/22/2004	1800
CCB			0.00036504							01/22/2004	1815

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 | Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. | PROJECT: ENCYCLE TEXAS TRUST FUND | ATTN: Richard Marcus

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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		M0370	1.97489440		2.00		98.7	%	90-110	01/22/2004	1014
ICV		M0368	1.01129594		1.00		101.1	%	90-110	01/22/2004	1033
ICV		M0356	0.99957080		1.00		100.0	%	90-110	01/22/2004	1048
ICB			-0.0007619							01/22/2004	1108
ICB			0.00001606							01/22/2004	1121
CCV		M0379	0.98943930		1.00		98.9	%	90-110	01/22/2004	1125
CCB			0.00010415							01/22/2004	1130
CCB			-0.0006279							01/22/2004	1134
CCV		M0379	0.98762516		1.00		98.8	%	90-110	01/22/2004	1229
CCB			0.00047172							01/22/2004	1243
CCV		M0379	0.98471457		1.00		98.5	%	90-110	01/22/2004	1333
CCB			-0.0003461							01/22/2004	1348
CCV		M0379	0.99020318		1.00		99.0	%	90-110	01/22/2004	1428
CCB			-0.0003936							01/22/2004	1442
MB		3050	0.00004818							01/22/2004	1635
LCS		M348	0.48510410		0.500		97.0	%	89-110	01/22/2004	1642
MS	222804-1	M348	0.57064249		0.500	0.10563361	93.0	%	75-125	01/22/2004	1711
SD	222804-1	M348	0.58167032	0.57064249	0.500	0.10563361	95.2	%	75-125	01/22/2004	1717
							1.9	R	20		
CCV		M0379	0.97567170		1.00		97.6	%	90-110	01/22/2004	1723
CCB			0.00040127							01/22/2004	1737
CCV		M0379	0.97686417		1.00		97.7	%	90-110	01/22/2004	1800
CCB			-0.0003317							01/22/2004	1815

Test Method.....: SW-846 6010B | Batch.....: 89307 | 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		M0370	1.99888406		2.00		99.9	%	90-110	01/22/2004	1014
ICV		M0368	1.03787665		1.00		103.8	%	90-110	01/22/2004	1033
ICV		M0356	1.03142046		1.00		103.1	%	90-110	01/22/2004	1048
ICB			-0.0012183							01/22/2004	1108
ICB			-0.0012381							01/22/2004	1121
CCV		M0379	1.01754903		1.00		101.8	%	90-110	01/22/2004	1125
CCB			-0.0009991							01/22/2004	1130
CCB			-0.0011113							01/22/2004	1134
CCV		M0379	1.01360939		1.00		101.4	%	90-110	01/22/2004	1229
CCB			-0.0012631							01/22/2004	1243
CCV		M0379	1.00835518		1.00		100.8	%	90-110	01/22/2004	1333
CCB			-0.0012868							01/22/2004	1348
CCV		M0379	1.01413983		1.00		101.4	%	90-110	01/22/2004	1428
CCB			-0.0012682							01/22/2004	1442
MB		3050	0.00009352							01/22/2004	1635
LCS		M348	0.49113892		0.500		98.2	%	86-110	01/22/2004	1642
CCV		M0379	1.04900673		1.00		104.9	%	90-110	01/22/2004	1723
CCB			0.02016659							01/22/2004	1737
CCV		M0379	1.08945206		1.00		108.9	%	90-110	01/22/2004	1800
CCB			0.03957659							01/22/2004	1815

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

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 222804 Report Date.: 02/24/2004

CUSTOMER: Encycle Texas, Inc. PROJECT: ENCYCLE TEXAS TRUST FUND ATTN: Richard Marcus

Test Method.....: SW-846 6010B Batch.....: 89917 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		M0370	1.95762141		2.00		97.9	%	90-110	02/09/2004	1255
ICV		M0368	0.98767165		1.00		98.8	%	90-110	02/09/2004	1314
ICV		M0356	0.97231628		1.00		97.2	%	90-110	02/09/2004	1329
ICB			-0.0005988							02/09/2004	1347
ICB			-0.0005701							02/09/2004	1400
CCV		M0379	0.96070056		1.00		96.1	%	90-110	02/09/2004	1406
CCB			-0.0004107							02/09/2004	1412
CCB			-0.0004798							02/09/2004	1417
MB		3010	-0.0009956							02/09/2004	1421
LCS		M348	0.49861318		0.500		99.7	%	86-110	02/09/2004	1428
MB		3050	-0.0000536							02/09/2004	1510
CCV		M0379	0.96141996		1.00		96.1	%	90-110	02/09/2004	1514
CCB			-0.0004999							02/09/2004	1528
MB		3050	0.00916317							02/09/2004	1532
LCS		M348	0.48576329		0.500		97.2	%	86-110	02/09/2004	1536
MS	223073-1	M348	0.85849287		0.500	0.39747053	92.2	%	75-125	02/09/2004	1604
MSD	223073-1	M348	0.85468713	0.85849287	0.500	0.39747053	91.4	%	75-125	02/09/2004	1610
							0.4	R	20		
CCV		M0379	0.94545342		1.00		94.5	%	90-110	02/09/2004	1619
CCB			-0.0000812							02/09/2004	1634
CCV		M0379	0.93758050		1.00		93.8	%	90-110	02/09/2004	1647
CCB			-0.0002322							02/09/2004	1702
MB		3050	-0.0012052							02/09/2004	1731
LCS		M348	0.51373263		0.500		102.7	%	86-110	02/09/2004	1738
MS	223096-1	M348	0.66482008		0.500	0.20494277	92.0	%	75-125	02/09/2004	1751
MSD	223096-1	M348	0.67090753	0.66482008	0.500	0.20494277	93.2	%	75-125	02/09/2004	1757
							0.9	R	20		
CCV		M0379	0.93539676		1.00		93.5	%	90-110	02/09/2004	1815
CCB			-0.0002379							02/09/2004	1829
CCV		M0379	0.95213862		1.00		95.2	%	90-110	02/09/2004	1917
CCB			-0.0003981							02/09/2004	1931
CCV		M0379	0.95626375		1.00		95.6	%	90-110	02/09/2004	2003
CCB			-0.0004498							02/09/2004	2018

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

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Report

SEVERN TRENT STL

Certificate of Analysis

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ANALYTICAL REPORT

Encycle/Asarco

Lot #: I4A220285

Olga McDonald

STL Corpus Christi
1733 North Padre Island Drive
Corpus Christi, TX 78408

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

February 13, 2004

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

EXECUTIVE SUMMARY - Detection Highlights

I4A220285

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
222804-1 01/20/04 09:25 001				
Cadmium	334	0.48	mg/kg	SW846 6020
Thallium	2.6	0.48	mg/kg	SW846 6020
222804-2 01/20/04 09:35 002				
Cadmium	23.8	0.40	mg/kg	SW846 6020
222804-3 01/20/04 10:00 003				
Cadmium	72.0	0.47	mg/kg	SW846 6020
Thallium	1.3	0.47	mg/kg	SW846 6020
222804-4 01/20/04 10:10 004				
Cadmium	28.4	0.36	mg/kg	SW846 6020
222804-5 01/20/04 10:40 005				
Cadmium	1030	0.50	mg/kg	SW846 6020
Antimony	3.0	0.50	mg/kg	SW846 6020
Thallium	1.3	0.50	mg/kg	SW846 6020
222804-6 01/20/04 10:50 006				
Antimony	0.62	0.39	mg/kg	SW846 6020
Cadmium	78.2	0.39	mg/kg	SW846 6020
Thallium	0.39	0.39	mg/kg	SW846 6020

ANALYTICAL METHODS SUMMARY

I4A220285

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
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

I4A220285

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F8EMK	001	222804-1	01/20/04	09:25
F8EM8	002	222804-2	01/20/04	09:35
F8ENA	003	222804-3	01/20/04	10:00
F8END	004	222804-4	01/20/04	10:10
F8ENF	005	222804-5	01/20/04	10:40
F8ENH	006	222804-6	01/20/04	10:50

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

I4A220285

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 6020		4027272	
	SOLID	SW846 6010B		4027272	4027109
002	SOLID	SW846 6020		4042311	4042141
003	SOLID	SW846 6020		4027272	
	SOLID	SW846 6010B		4027272	4027109
004	SOLID	SW846 6020		4042311	4042141
005	SOLID	SW846 6020		4027272	
	SOLID	SW846 6010B		4027272	4027109
006	SOLID	SW846 6020		4042311	4042141

STL CORPUS CHRISTI

Client Sample ID: 222804-1

TOTAL Metals

Lot-Sample #...: I4A220285-001 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 09:25 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4027272						
Bismuth	ND	5.0	mg/kg	SW846 6010B	01/26-01/29/04	F8EMK1AE
		Dilution Factor: 1		Analysis Time..: 13:51	MS Run #.....: 4027109	
Cadmium	**334**	**0.48**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8EMK1AA**
		Dilution Factor: 4.8		Analysis Time..: 00:19	MS Run #.....:	
Antimony	ND	0.48	mg/kg	SW846 6020	01/26-01/29/04	F8EMK1AC
		Dilution Factor: 4.8		Analysis Time..: 00:19	MS Run #.....:	
Thallium	2.6	**0.48**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8EMK1AD**
		Dilution Factor: 4.8		Analysis Time..: 00:19	MS Run #.....:	

STL CORPUS CHRISTI

Client Sample ID: 222804-2

TOTAL Metals

Lot-Sample #...: I4A220285-002 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 09:35 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4042311						
Cadmium	**23.8**	**0.40**	**mg/kg**	**SW846 6020**	**02/11-02/12/04**	**F8EM81AD**
		Dilution Factor: 4.05		Analysis Time..: 15:59	MS Run #.....: 4042141	
Thallium	ND	0.40	mg/kg	SW846 6020	02/11-02/12/04	F8EM81AE
		Dilution Factor: 4.05		Analysis Time..: 15:59	MS Run #.....: 4042141	

STL CORPUS CHRISTI

Client Sample ID: 222804-3

TOTAL Metals

Lot-Sample #...: I4A220285-003 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 10:00 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4027272						
Bismuth	ND	5.0	mg/kg	SW846 6010B	01/26-01/29/04	F8ENA1AE
		Dilution Factor: 1		Analysis Time..: 13:56	MS Run #.....: 4027109	
Cadmium	**72.0**	**0.47**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8ENA1AA**
		Dilution Factor: 4.67		Analysis Time..: 19:26	MS Run #.....:	
Antimony	ND	0.47	mg/kg	SW846 6020	01/26-01/29/04	F8ENA1AC
		Dilution Factor: 4.67		Analysis Time..: 19:26	MS Run #.....:	
Thallium	1.3	0.47	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8ENA1AD**
		Dilution Factor: 4.67		Analysis Time..: 19:26	MS Run #.....:	

STL CORPUS CHRISTI

Client Sample ID: 222804-4

TOTAL Metals

Lot-Sample #...: I4A220285-004 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 10:10 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4042311						
Cadmium	28.4	0.36	mg/kg	SW846 6020	02/11-02/12/04	F8END1AD
		Dilution Factor: 3.65		Analysis Time..: 16:31	MS Run #.....: 4042141	
Thallium	ND	0.36	mg/kg	SW846 6020	02/11-02/12/04	F8END1AE
		Dilution Factor: 3.65		Analysis Time..: 16:31	MS Run #.....: 4042141	

STL CORPUS CHRISTI

Client Sample ID: 222804-5

TOTAL Metals

Lot-Sample #...: I4A220285-005 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 10:40 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4027272						
Bismuth	ND	5.0	mg/kg	SW846 6010B	01/26-01/29/04	F8ENF1AE
		Dilution Factor: 1		Analysis Time..: 14:01	MS Run #.....: 4027109	
Cadmium	**1030**	**0.50**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8ENF1AA**
		Dilution Factor: 4.95		Analysis Time..: 19:33	MS Run #.....:	
Antimony	**3.0**	**0.50**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8ENF1AC**
		Dilution Factor: 4.95		Analysis Time..: 19:33	MS Run #.....:	
Thallium	1.3	**0.50**	**mg/kg**	**SW846 6020**	**01/26-01/29/04**	**F8ENF1AD**
		Dilution Factor: 4.95		Analysis Time..: 19:33	MS Run #.....:	

STL CORPUS CHRISTI

Client Sample ID: 222804-6

TOTAL Metals

Lot-Sample #...: I4A220285-006 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 10:50 **Date Received..:** 01/22/04
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4042311						
Antimony	0.62	0.39	mg/kg	SW846 6020	02/11-02/12/04	F8ENH1AE
		Dilution Factor: 3.9		Analysis Time..: 16:37	MS Run #.....: 4042141	
Cadmium	78.2	0.39	mg/kg	SW846 6020	02/11-02/12/04	F8ENH1AD
		Dilution Factor: 3.9		Analysis Time..: 16:37	MS Run #.....: 4042141	
Thallium	0.39	0.39	mg/kg	SW846 6020	02/11-02/12/04	F8ENH1AF
		Dilution Factor: 3.9		Analysis Time..: 16:37	MS Run #.....: 4042141	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I4A220285 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I4A270000-272 **Prep Batch #...:** 4027272						
Antimony	ND	0.50	mg/kg	SW846 6020	01/26-01/29/04	F8K5K1CV
		Dilution Factor: 5				
		Analysis Time..: 19:09				
Bismuth	ND	5.0	mg/kg	SW846 6010B	01/26-01/29/04	F8K5K1A3
		Dilution Factor: 1				
		Analysis Time..: 13:41				
Cadmium	ND	0.50	mg/kg	SW846 6020	01/26-01/29/04	F8K5K1CU
		Dilution Factor: 5				
		Analysis Time..: 19:09				
Thallium	ND	0.50	mg/kg	SW846 6020	01/26-01/29/04	F8K5K1CW
		Dilution Factor: 5				
		Analysis Time..: 19:09				
MB Lot-Sample #: I4B110000-311 **Prep Batch #...:** 4042311						
Antimony	ND	0.50	mg/kg	SW846 6020	02/11-02/12/04	F9EVA1AF
		Dilution Factor: 5				
		Analysis Time..: 15:47				
Cadmium	ND	0.50	mg/kg	SW846 6020	02/11-02/12/04	F9EVA1AA
		Dilution Factor: 5				
		Analysis Time..: 15:47				
Thallium	ND	0.50	mg/kg	SW846 6020	02/11-02/12/04	F9EVA1AC
		Dilution Factor: 5				
		Analysis Time..: 15:47				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4A220285 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4A270000-272 **Prep Batch #...:** 4027272					
Bismuth	101 N	(0.0- 0.0)	SW846 6010B	01/26-01/29/04	F8K5K1CT
		Dilution Factor: 1	Analysis Time..: 13:46		
Cadmium	98	(80 - 120)	SW846 6020	01/26-01/29/04	F8K5K1CX
		Dilution Factor: 1	Analysis Time..: 19:14		
Antimony	97	(80 - 120)	SW846 6020	01/26-01/29/04	F8K5K1C0
		Dilution Factor: 1	Analysis Time..: 19:14		
Thallium	100	(80 - 120)	SW846 6020	01/26-01/29/04	F8K5K1C1
		Dilution Factor: 1	Analysis Time..: 19:14		
LCS Lot-Sample#: I4B110000-311 **Prep Batch #...:** 4042311					
Antimony	97	(80 - 120)	SW846 6020	02/11-02/12/04	F9EVA1AG
		Dilution Factor: 1	Analysis Time..: 15:53		
Cadmium	97	(80 - 120)	SW846 6020	02/11-02/12/04	F9EVA1AD
		Dilution Factor: 1	Analysis Time..: 15:53		
Thallium	103	(80 - 120)	SW846 6020	02/11-02/12/04	F9EVA1AE
		Dilution Factor: 1	Analysis Time..: 15:53		

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 #...: I4A220285 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I4A270000-272 **Prep Batch #...:** 4027272							
Bismuth	50.0	50.3 N	mg/kg	101	SW846 6010B	01/26-01/29/04	F8K5K1CT
			Dilution Factor: 1		Analysis Time..: 13:46		
Cadmium	50.0	49.2	mg/kg	98	SW846 6020	01/26-01/29/04	F8K5K1CX
			Dilution Factor: 1		Analysis Time..: 19:14		
Antimony	50.0	48.6	mg/kg	97	SW846 6020	01/26-01/29/04	F8K5K1C0
			Dilution Factor: 1		Analysis Time..: 19:14		
Thallium	50.0	50.0	mg/kg	100	SW846 6020	01/26-01/29/04	F8K5K1C1
			Dilution Factor: 1		Analysis Time..: 19:14		
LCS Lot-Sample#: I4B110000-311 **Prep Batch #...:** 4042311							
Antimony	5.00	4.84	mg/kg	97	SW846 6020	02/11-02/12/04	F9EVA1AG
			Dilution Factor: 1		Analysis Time..: 15:53		
Cadmium	5.00	4.87	mg/kg	97	SW846 6020	02/11-02/12/04	F9EVA1AD
			Dilution Factor: 1		Analysis Time..: 15:53		
Thallium	5.00	5.14	mg/kg	103	SW846 6020	02/11-02/12/04	F9EVA1AE
			Dilution Factor: 1		Analysis Time..: 15:53		

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 #...: I4A220285 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 11:18 **Date Received..:** 01/22/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A220175-009 **Prep Batch #...:** 4027272							
						% Moisture.....: 100	
Bismuth	93 N	(0.0 - 0.0			SW846 6010B	01/26-01/29/04	F8DQ41DP
	94 N,*	(0.0 - 0.0	11	(0-0.0)	SW846 6010B	01/26-01/29/04	F8DQ41DQ

Dilution Factor: 1
Analysis Time..: 14:21
MS Run #.....: 4027109

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 #...: I4A220285 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 11:18 **Date Received..:** 01/22/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A220175-009 **Prep Batch #...:** 4027272									
								% Moisture.....: 100	
Bismuth									
	ND	40.0	37.2 N	mg/kg	93		SW846 6010B	01/26-01/29/04	F8DQ41DP
	ND	44.2	41.4	mg/kg	94	11	SW846 6010B	01/26-01/29/04	F8DQ41DQ

Qualifiers: N,*
Dilution Factor: 1
Analysis Time..: 14:21
MS Run #.....: 4027109

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 EVALUATION REPORT

TOTAL Metals

Client Lot #...: I4A220285 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 09:35 **Date Received..:** 01/22/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A220285-002 **Prep Batch #...:** 4042311							
						% Moisture.....:	
Antimony	47 N	(80 - 120)			SW846 6020	02/11-02/12/04	F8EM81AL
	42 N	(80 - 120)	10	(0-20)	SW846 6020	02/11-02/12/04	F8EM81AM
		Dilution Factor: 5					
		Analysis Time..: 16:18					
		MS Run #.....: 4042141					
Cadmium	NC	(80 - 120)			SW846 6020	02/11-02/12/04	F8EM81AF
	NC	(80 - 120)		(0-20)	SW846 6020	02/11-02/12/04	F8EM81AG
		Dilution Factor: 1					
		Analysis Time..: 16:18					
		MS Run #.....: 4042141					
Thallium	101	(80 - 120)			SW846 6020	02/11-02/12/04	F8EM81AH
	104	(80 - 120)	3.3	(0-20)	SW846 6020	02/11-02/12/04	F8EM81AJ
		Dilution Factor: 1					
		Analysis Time..: 16:18					
		MS Run #.....: 4042141					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I4A220285 **Matrix.....:** SOLID
Date Sampled...: 01/20/04 09:35 **Date Received..:** 01/22/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I4A220285-002 **Prep Batch #...:** 4042311									
								% Moisture.....:	
Antimony									
		4.59	2.14 N	mg/kg	47		SW846 6020	02/11-02/12/04	F8EM81AL
		4.63	1.93 N	mg/kg	42	10	SW846 6020	02/11-02/12/04	F8EM81AM
			Dilution Factor: 5						
			Analysis Time..: 16:18						
			MS Run #.....: 4042141						
Cadmium									
	23.8	4.59	58.3 NC	mg/kg			SW846 6020	02/11-02/12/04	F8EM81AF
	23.8	4.63	48.1 NC	mg/kg			SW846 6020	02/11-02/12/04	F8EM81AG
			Dilution Factor: 1						
			Analysis Time..: 16:18						
			MS Run #.....: 4042141						
Thallium									
	ND	4.59	4.95	mg/kg	101		SW846 6020	02/11-02/12/04	F8EM81AH
	ND	4.63	5.11	mg/kg	104	3.3	SW846 6020	02/11-02/12/04	F8EM81AJ
			Dilution Factor: 1						
			Analysis Time..: 16:18						
			MS Run #.....: 4042141						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery 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 410.1 COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2 Fluoride: Preliminary Bellack distillation not performed.
EPA 8151A: Laboratory utilizes alternate extraction solvent.
Iowa OA-1: Benzene, toluene, ethylbenzene and xylenes (BTEX) not analyzed along with Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples are not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

End of

Subcontract Laboratory

Report(s)

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/24/2004

(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:
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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/24/2004

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.

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ARCADIS

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number/Name: Encycle-Texas Trust Fund

Project Location: Encycle, Corpus Christi, TX

Laboratory: STL Corpus Christi

Project Manager: Ken Brandner

Sampler(s)/Affiliation: Orlando Gonzalez/ARCADIS

222804
0.7°C

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Total As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Sn, V, Zn, Sb, Hg, Ag, Thallium, cyanide (4 16 oz. widemouth glass jars)						Remarks	Total
Facility 3, Crack 1, 0-0.5'	S	1-20-05 9:25		X						Analyze 0-0.5' sample	1
Facility 3, Crack 1, 2-2.5'	S	9:35		[HOLD]						Hold 2-2.5' sample	1
Facility 3, Crack 2, 0-0.5'	S	10:00		X						Analyze 0-0.5' sample	1
Facility 3, Crack 2, ~~2-2.5'~~ 1.5-2'	S	10:10		[HOLD]						Hold ~~2-2.5'~~ 1.5-2' sample	1
Facility 3, Crack 3, 0-0.5'	S	10:40		X						Analyze 0-0.5' sample	1
Facility 3, Crack 3, ~~2-2.5'~~ ~~1.5-2'~~	S	10:50		[Hold]						Hold 2-2.5' sample	1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 6

Relinquished by: [signature]	Organization: Arcadis	Date 1/12/04	Time 12:57	Seal Intact?	
Received by: [signature]	Organization: STL-CC	Date 1/12/04	Time 1357	Yes No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks: Hold all 2-2.5' depth samples until notified by ARCADIS. Invoice to Rich Marcus of Encycle. Normal turnaround. Samples delivered in cooler with ice.

Delivery Method: ☒ In Person ☐ Common Carrier _____ (SPECIFY) ☐ Lab Courier ☐ Other _____ (SPECIFY)

AC-05-12M1

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 222804 Location.: 57203 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 01/21/2004
Project Number.: 98000084 Project Description.: Project - OVM Project Manager.....: ovm
Customer.....: Encycle Texas, Inc. Contact.: Richard Marcus

Questions ?	(Y/N)	Comments
How did samples arrive?.....	Y	CLIENT DELIVERED
Chain-of-Custody Present?.....	Y	
Custody seal on shipping container?.....	N	
...If "yes", custody seal intact?.....		
Custody seals on sample containers?.....	N	
...If "yes", custody seal intact?.....		
Samples chilled?.....	Y	
Temperature blank in cooler?.....	Y	
Temp of cooler acceptable? (0.05 to 6.00 deg C)	Y	0.7 DEGREES C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....		N/A
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....	Y	
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Additional.....		
Comments.....		
Sample Custodian Signature.....		01/21/04 [illegible]

APPENDIX 1

ARCADIS

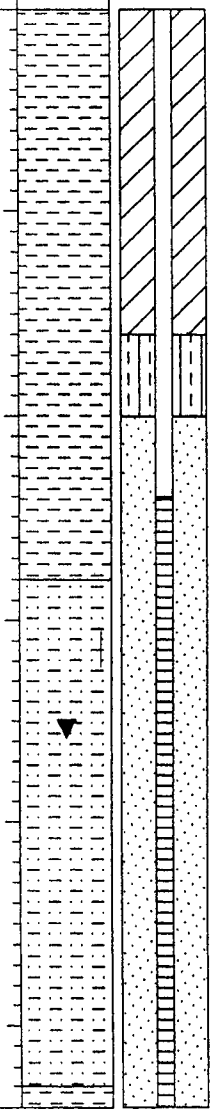
Appendix I

Monitor Well MW-13 Completion Diagram

WELL LOG

DEPTH	SAMPLE DESCRIPTION
	0–4' Medium dark brown, silty clay (CL), stiff.
5	4–6' Pale brown, silty clay (CL), stiff.
	6–10' Very pale yellowish brown, silty clay (CL), stiff.
10	10–14' Very pale orange, silty clay (CL), stiff.
15	14–26.5' Very pale orange brown, clayey silt (ML), saturated at 18 feet.
20	
25	26.5–27' Very pale olive, clay (CL). Total depth = 27 feet.

SYMBOL



COMPLETION

WELL	MW–13
CLIENT	ENCYCLE/TEXAS
PROJECT	CC000642.0002
LOCATION	CORPUS CHRISTI, TEXAS
DATE	NOVEMBER 14, 2001
DRILLING METHOD	HOLLOW–STEM AUGER
CASING	2" PVC 0–12'
SCREEN	2" PVC; SLOTTED 12–27'
CEMENT	0–8'
BENTONITE	8–10'
SAND PACK	10–27'
GROUND ELEV./TOP OF CASING ELEV.	---/27.47'

CT – CUTTINGS
SB – SPLIT BARREL(5')
SS – SPLIT SPOON (2')
HC LEVEL
WATER LEVEL
SAND
SILT
CLAY
FILL/CONCRETE
BENTONITE
GRAVEL

ARCADIS

APPENDIX J

ARCADIS

Appendix J

Manifest for Facility No. 3 Piping

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

W.O. 7492

COPY

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. 4138 | 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~~ 5,860	P gal.	~~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. 5040330-1

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.

GENERATOR

Printed/Typed Name: JESSE Lopez | Signature: Jesse Lopez | Month 03 Day 30 Year ~~04~~ 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name: BRUCE L JACKSON | Signature: Bruce L Jackson | Month 3 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials | Date

Printed/Typed Name | Signature | Month Day Year

FACILITY

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: Orlando Luna | Month 03 Day 30 Year 04

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