The electronic version of this file/report should have the file name:

Report.HW.915009.2008-01-03.SWMU_P-73_Closeout_Report.pdf

Type of document . Site Number . Year-Month . File *Year-Year* or Report name . pdf

---

_____ . _____ - ___ . File _____ .pdf

example: *letter . Year-Month . File Year-Year . pdf*

_____ . _____ - ___ . _____ .pdf

example: *report . Site Number . Year-Month . Report Name . pdf*

Project Site numbers will be proceeded by the following:

Municipal Brownfields - B
Superfund - HW
Spills - SP
ERP - E
VCP - V
BCP - C

726 Exchange St
Suite 624
Buffalo, NY 14210
Phone: 716-856-0635
Fax: 716-856-0583

TurnKey Environmental Restoration, LLC

Letter of Transmittal

To: New York State Dept. of Environmental Conservation
270 Michigan Ave.
Buffalo, New York 14203

Date: January 3, 2008

Project: Tecumseh Redevelopment Site

Re: **SWMU P-73 Closeout Report**

ATTN: **Stan Radon**

Gentlemen:

We are sending you: ☐Attached ☐Under separate cover via _____ the following:

☐ Shop Drawings
☐ Specifications
☐ Prints
☐ Data
☐ Reports
☐ Sketches
☐ Brochures
☑ Other

Copies	Prepared By	Reference No.	Description
1	TurnKey		Page 1 -Revised

These are transmitted as checked below:

☐ As requested ☐ Approved ☐ Revise and resubmit___copies for approval
☐ For your use ☐ Not approved ☐ Submit ____ copies for distribution
☑ For your information ☐ Approved as corrected
☐ For review & comment

•Remarks:

Stan: As requested, enclosed please find a revised original Page 1 for the December 7, 2007 SWMU P-73 Closeout Report . The revised page omits the incorrect reference to post-stockpile removal verification sampling. Please contact me if you require any additional copies of the report or require anything else.

CC: **File 0071-007-111**

From:

Pat

Patrick T. Martin, P.E.

TURNKEY ENVIRONMENTAL RESTORATION, LLC

December 7, 2007

Mr. Stan Radon.
Engineering Geologist II
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 9
270 Michigan Ave
Buffalo, New York 14203-2999

Re: SWMU P-73 Closeout Report
ArcelorMittal Tecumseh Redevelopment, Inc.
Lackawanna, New York.

Dear Mr. Radon,

TurnKey Environmental Restoration, LLC (TurnKey) has prepared this closeout letter report summarizing the activities associated with the sampling and off-site disposal of the solid waste management unit (SWMU) P-73 soil stockpiles in "Flander's Field" on the ArcelorMittal Steel property in the Town of Hamburg, New York (see Figure 1). A discussion of the soil/fill sampling, analysis, and disposal activities is presented in the sections below.

SITE BACKGROUND

From the late 1940s through 1983, SWMU P-73 was a receiving area for raw material drummed products (typically lubricants, oils, grease, soap, and chemical additives) used by the Strip Mill Division. The area also served as a transfer point for empty drums that were either returned to vendors or sent to the steel making division to be scrapped. In 1989, soil/fill was excavated from the Former Drum Storage Area to make room for a foundation associated with a hydrogen gas plant. The excavated soil/fill was relocated as numerous small stockpiles to an area known as "Flanders Field" south of the Galvanizing Mill in the southeast corner of the East Plant area.

SWMU P-73 is the only SWMU on the operational portion of the ArcelorMittal Steel property that was recommended for further action in the recently approved RFI Report. In October 2006, Tecumseh proposed to perform an IRM to address the clean up of this SWMU, which eliminated the need to address this singular "orphan" SWMU within the proposed Corrective Measures Order. In March 2007, approximately 1,135 tons of stockpiled soil were removed from Flanders Field and transported to Modern Landfill, a NYSDEC-permitted facility, for disposal.

SOIL STOCKPILE SAMPLING AND ANALYSIS

In consultation with the New York State Department of Environmental Conservation (NYSDEC), stockpile sampling activities were conducted on November 9, 2006 to characterize the soil/fill in six aboveground stockpiles potentially associated with soil excavated from SWMU P-73. The sampling consisted of collecting approximate equal weight soil grabs from each soil stockpile and preparing four composite soil samples designated as: P-73 Composite; SP-E/A; SP-C/D; and SP-F East & West. Figure 1 illustrates the approximate location of each soil stockpile.

A rubber tire backhoe with operator was used to dig into each stockpile. Soil sample collection was performed by TurnKey's environmental scientist. TurnKey personnel scanned the soils at each stockpile with a MiniRae 2000 Photoionization Detector (PID) equipped with a 10.6 eV lamp, and noted visual and/or olfactory observations. The PID is capable of detecting the presence of contaminants that emit volatile organic compounds (VOCs), such as petroleum products and solvents, with ionization potentials less than 10.6 eV. PID scans of all soil stockpiles did not detect any VOCs exceeding background concentrations (i.e., 0.0 ppm). Dedicated stainless steel spoons were used to transfer the soil samples to the appropriate laboratory provided glass containers. The samples were cooled to 4°C in the field and transported under chain-of-custody to TestAmerica located in Amherst, New York for analysis of Target Compound List (TCL) semi-volatile organic compounds (SVOCs) via USEPA Method 8270, and total metals via USEPA Methods 6010/7471. Table 1 presents a summary of the soil analytical results. Only those compounds identified above the analytical detection limit are listed. The restricted-commercial and industrial soil cleanup objectives (SCOs) as published in 6NYCRR Part 375 are presented for comparative purposes. Attachment 1 contains a copy of the laboratory analytical data package.

On February 7, 2007, Turnkey personnel collected one composite soil sample from the onsite stockpiles for waste disposal characterization. The composite sample was analyzed for TCL VOCs via USEPA Method 8260; Polychlorinated Biphenyls (PCBs) via USEPA Method 8082, Leachable pH; Flashpoint and Reactivity. In addition, the VOCs, SVOCs and RCRA Metals parameters were analyzed for Toxicity Characteristic Leaching Procedure (TCLP). Table 2 presents a summary of the soil analytical results. A copy of the laboratory analytical data package is also provided in Attachment 1.

DISCUSSION OF SAMPLE RESULTS

As indicated on Table 1, SVOCs were detected in each soil composite sample. In particular, three polynuclear aromatic hydrocarbons (PAHs) were detected at concentrations exceeding the corresponding restricted-commercial or industrial SCO. Three total metals were detected at concentrations exceeding commercial or industrial SCOs. Specifically, total arsenic and total manganese exceeded restricted-industrial SCOs, while total chromium exceeded the restricted-commercial SCO in one composite sample.

As indicated on Table 2, no concentrations of VOCs were detected with exception of methylene chloride, which was detected at a trace level of 0.038 ppm. No PCBs were detected with the exception of Aroclor 1260, which was detected at a trace level of 0.024 ppm. Also, the soil stockpiles samples analyzed for TCLP VOCs, SVOCs, and RCRA Metals (February 2007 profile sample) did not exhibit hazardous waste characteristics.

Based on the laboratory analytical data generated from the two sampling events, the soil stockpiles were approved for off-site disposal to a sanitary landfill. The off-site soil disposal activities are discussed in further detail below.

DISCUSSION OF OFF-SITE DISPOSAL

Following review of the analytical data, a Generator Waste Characterization Report was prepared including an application for disposal of an industrial stream waste. A copy of the waste characterization report and disposal application is presented in Attachment 2. The soil stockpiles were approved by the NYSDEC, Division of Solid and Hazardous Waste, for off-site disposal to Modern Landfill, Inc. located on Pletcher & Harold Road in Model City, New York.

Off-site disposal activities began on March 27, 2007. A hydraulic track excavator was used to direct load tandem dump trucks with soil/fill material from the stockpiles. Piles were excavated until grade was reached, matching on-site surrounding grades, and no visible debris remained. Each dump truck load of soil/fill was tarped prior to leaving the Site. TurnKey personnel were on-site during disposal activities to observe loading of the soil/fill material stockpiles and document the number of truckloads leaving the Site. The excavation and disposal of the soil stockpiles was completed on March 29, 2007. A total of 1,134.82 tons of soil/fill material was disposed off-site at Modern Landfill, Inc. Attachment 3 contains a summary of soil/fill tonnage. Attachment 4 presents a photographic log of the disposal activities.

CONCLUSIONS

The supplemental characterization of the stockpiled soils described herein and the subsequent work performed to remove and dispose of the former P-73 soil stockpiles at a permitted solid waste facility was completed in accordance with NYSDEC input and observed by the Department, therefore based on the work completed, it is our understanding that SWMU P-73 will not require further action under the planned Corrective Measures Study (CMS) Order for the Site and this SWMU is considered permanently closed.

Please contact us if you have any questions or require additional information concerning the closeout activities associated with SWMU P-73.

Sincerely,
TurnKey Environmental Restoration, LLC

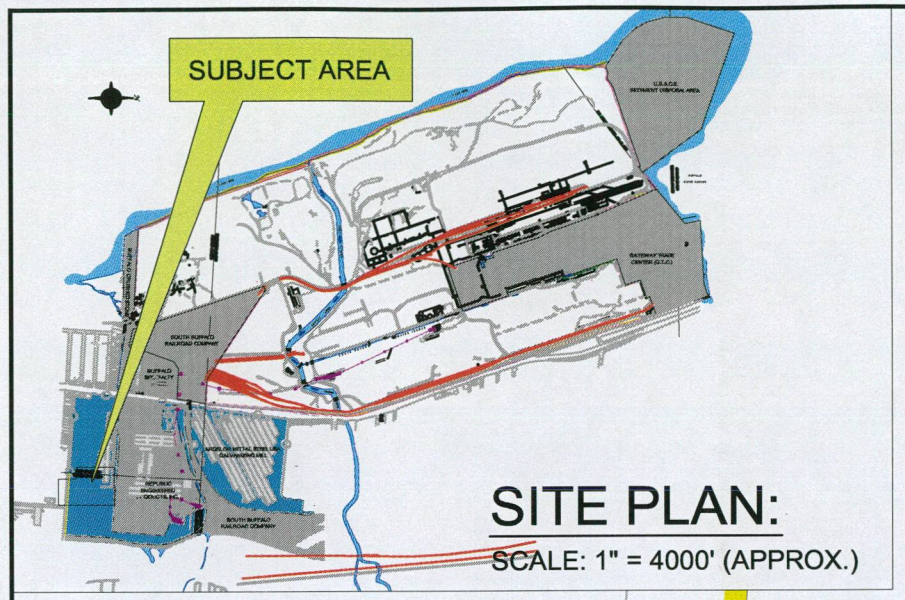
Patrick T. Martin, P.E.
Project Manager

att.

C: K. Nagel, ArecelorMittal Tecumseh

TurnKey Environmental Restoration, LLC

FIGURE



SITE PLAN:

SCALE: 1" = 4000' (APPROX.)

TOWN OF HAMBURG

VILLAGE OF BLASDELL

LAKE AVENUE

MITTAL GALVANIZING PLANT

CURRENT SOIL STOCKPILE CONSTRUCTED ON DECEMBER 22, 1996

SOIL PILE AREA SP-F (WEST)

SOIL PILE AREA SP-F (EAST)

SOIL PILE AREA SP-A

SOIL PILE AREA SP-E

SOIL PILE AREA SP-B

SOIL PILE AREA SP-C

SOIL PILE AREA SP-D

UNRELATED SOIL PILE (ORIGIN UNKNOWN)

P-73 COMPOSITE

LEGEND:

- ARCELORMITTAL STEEL PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- LIMITS OF STOCKPILED SOIL

80' 0' 80' 160'

SCALE: 1 INCH = 80 FEET
SCALE IN FEET
(approximate)

DATE: OCTOBER 2007
DRAFTED BY: BCH/NTM

728 EXCHANGE STREET
SUITE 824
BUFFALO, NEW YORK 14210
(716) 856-0835

TurnKey Environmental Restoration, LLC

JOB NO.: 0071-001-110

SITE PLAN

RCRA CORRECTIVE MEASURES CLOSEOUT REPORT
SWMU P-73 (SOUTH) - FORMER DRUM STORAGE AREA
LACKAWANNA, NEW YORK

PREPARED FOR
ARCELORMITTAL TECUMSEH REDEVELOPMENT, INC.

FIGURE 1

TABLES

TABLE 1
SWMU P-73 & MISC. STOCKILES - MITTAL PROPERTY
SOIL/FILL SAMPLES

ArcelorMittal Tecumseh Redevelopment - Waste Samples
Lackawanna, NY

Parameter	Sample Location				SCO RESTRICTED-COMMERCIAL (ppm)[2]	SCO RESTRICTED-INDUSTRIAL (ppm)[2]
	P-73 Composite (2 large piles)	SP-C/D (2 small piles)	SP-E/A (5 piles)	SP-F East & West (2 large piles)		
Semi-Volatile Organic Compounds (SVOCs) - mg/kg						
Acenaphthylene	0.6 J	0.59 J	0.36 J	1.1 J	500	1,000
Anthracene	0.4 J	0.62 J	1.1 J	1.4 J	500	1,000
Benzo(a)anthracene	1.8	1.9 J	1.6 J	3.5 J	5.6	11
Benzo(a)pyrene	**2**	**2.4 J**	**1.7 J**	**4**	1	1.1
Benzo(b)fluoranthene	2.9	3.2 J	3.2 J	**7.6**	5.6	11
Benzo(g,h,i)perylene	1.3 J	2.0 J	1.4 J	3.4 J	500	1,000
Benzo(k)fluoranthene	0.94 J	1.3 J	ND	ND	56	110
Carbazole	0.16 J	0.28 J	0.3 J	0.44 J	NA	NA
Chrysene	1.8	2.1 J	1.7 J	3.8 J	56	110
Dibenzo(a,h)anthracene	0.4 J	0.54 J	0.3 J	**0.83 J**	0.56	1.1
Fluoranthene	2.6	3.8 J	3.1 J	7.8	500	1,000
Fluorene	ND	ND	ND	0.24 J	500	1,000
Indeno(1,2,3-cd)pyrene	1.3 J	1.8 J	1.2 J	2.8 J	5.6	11
Phenanthrene	0.98 J	1.8 J	1.7 J	3.2 J	500	1,000
Pyrene	2.3	3.4 J	2.6 J	6.4	500	1,000
Inorganic Compounds - mg/kg						
Aluminum, Total	9640	15300	10000	16200	NA	NA
Arsenic, Total	13.9	**76.1**	**21.5**	**204**	16	16
Barium, Total	87.9	136	95.4	150	400	10,000
Beryllium, Total	1.9	1.4	1.6	2	590	2,700
Cadmium, Total	3.3	1.1	2	1.5	9.3	60
Calcium, Total	113000	58600	173000	85300	NA	NA
Chromium, Total	364	126	**632**	204	400	800
Cobalt, Total	7.4	7.7	2.5	6.4	NA	NA
Copper, Total	66.5	37.9	23.1	34.3	270	10,000
Iron, Total	190000	37700	130000	61500	NA	NA
Lead, Total	75.3	73	33.6	70.4	1,000	3,900
Magnesium, Total	19800	9380	26200	13200	NA	NA
Manganese, Total	**13400**	2940	**26900**	8550	10,000	10,000
Mercury, Total	0.052	0.033	ND	0.045	2.8	5.7
Nickel, Total	49.4	24.1	11.7	21	310	10,000
Potassium, Total	706	1450	773	1380	NA	NA
Silver, Total	0.57	ND	ND	ND	1,500	6,800
Sodium, Total	399	279	305	449	NA	NA
Vanadium, Total	238	60.9	429	132	NA	NA
Zinc, Total	1840	210	126	283	10,000	10,000

Notes:
1. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives

J = Estimated value.
NA = Not Applicable
ND = Not Detected

-- Highlight indicates exceedance of Part 375 Restricted - Commercial Soil Cleanup Objectives
-- Highlight indicates exceedance of Part 375 Restricted - Industrial Soil Cleanup Objectives

TABLE 2
SWMU P-73 & MISC. STOCKILES - MITTAL PROPERTY
SOIL/FILL SAMPLE
WASTE DISPOSAL CHARACTERIZATION

ArcelorMittal Tecumseh Redevelopment - Waste Samples
Lackawanna, NY

Parameter	Sample Location P-73 Waste Profile Composite Sample	SCO RESTRICTED-COMMERCIAL (ppm)[3]	SCO RESTRICTED-INDUSTRIAL (ppm)[3]
Volatile Organic Compounds (VOCs) - mg/kg			
Methylene Chloride	0.038 B	500	1,000
PCBs -mg/kg			
Aroclor 1260	0.024	1	25

TCLP Volatile Organic Compounds (VOCs) - mg/L	
2-Butanone	0.033 J
TCLP Semi Volatile Organic Compounds (SVOCs) - mg/L	
	Non Detect
TCLP RCRA Metals - mg/L	
Total Arsenic	0.013
Total Barium	0.4 J
Flashpoint *F	>200
Reactivity -mg/L	Non Detect
Leachable pH	7.1

Notes:
1. B = Analyte was detected in the associated blank as well as in the sample.
2. J = Estimated value.
3. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives

-- Highlight indicates exceedance of Part 375 Restricted - Commercial Soil Cleanup Objectiv
-- Highlight indicates exceedance of Part 375 Restricted - Industrial Soil Cleanup Objectives

ATTACHMENT 1

LABORATORY ANALYTICAL DATA PACKAGE

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

FEB 2 0 2007

ANALYTICAL REPORT

Job#: A07-1222

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE
Task: Tecumseh Redevelopment - Waste Samples

Mr. Bryan Hann
Turnkey/Benchmark
726 Exchange St., Suite 624
Buffalo, NY 14210

STL Buffalo

Brian J. Fischer
Project Manager

02/15/2007

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A7122201	P-73 WASTE PROFILE	SOIL	02/07/2007	13:30	02/08/2007	08:35

METHODS SUMMARY

Job#: A07-1222

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

PARAMETER	ANALYTICAL METHOD
BETHLEHEM - METHOD 8260 - TCLP VOLATILES - S	SW8463 8260
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES	SW8463 8270
BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S	SW8463 8082
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7470
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Flashpoint	SW8463 1010
H2S Released From Waste	SW8463 SECT7.3
HCN Released From Waste	SW8463 SECT7.3
Leachable pH	SW8463 9045
Toxicity Characteristic Leaching Procedure	SW8463 1311

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A07-1222

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A07-1222
Sample Cooler(s) were received at the following temperature(s); 5.7 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analytes 3-Methylphenol and 4-Methylphenol coelute and can not be analytically separated. The reported concentrations for these analytes are a total number, rather than individual quantitated values.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Barium was detected in the TCLP Extractor Blank (A7B0199001) at a level above the project established reporting limit. However, the sample had a level of Barium greater than ten times that of the TCLP Extractor Blank value, therefore, no corrective action was necessary.

Wet Chemistry Data

The U.S. EPA has determined the applicability of the Reactive Cyanide and Sulfide tests to be limited in part due to the poor recoveries obtainable with their procedures. The April 1998 memorandum entitled 'Withdrawal of Cyanide and Sulfide Reactivity Guidance' details the justification for this determination. Therefore, in conjunction with these test results, the U.S. EPA recommends the data user apply process or waste knowledge to determine if their waste exhibits the characteristic of reactivity.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
P-73 WASTE PROFILE	A7122201	8260	10.00	007

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	MG/L	ND	0.050	NA		NA		NA	
2-Butanone	MG/L	0.033 J	0.25	NA		NA		NA	
Carbon Tetrachloride	MG/L	ND	0.050	NA		NA		NA	
Chlorobenzene	MG/L	ND	0.050	NA		NA		NA	
Chloroform	MG/L	ND	0.050	NA		NA		NA	
1,2-Dichloroethane	MG/L	ND	0.050	NA		NA		NA	
1,1-Dichloroethene	MG/L	ND	0.050	NA		NA		NA	
Tetrachloroethene	MG/L	ND	0.050	NA		NA		NA	
Trichloroethene	MG/L	ND	0.050	NA		NA		NA	
Vinyl chloride	MG/L	ND	0.050	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	101	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	100	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	99	50-200	NA		NA		NA	
Toluene-D8	%	101	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	99	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	92	72-143	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:00:55

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	26	NA		NA		NA	
Benzene	UG/KG	ND	5	NA		NA		NA	
Bromodichloromethane	UG/KG	ND	5	NA		NA		NA	
Bromoform	UG/KG	ND	5	NA		NA		NA	
Bromomethane	UG/KG	ND	5	NA		NA		NA	
2-Butanone	UG/KG	ND	26	NA		NA		NA	
Carbon Disulfide	UG/KG	ND	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	NA		NA		NA	
Chlorobenzene	UG/KG	ND	5	NA		NA		NA	
Chloroethane	UG/KG	ND	5	NA		NA		NA	
Chloroform	UG/KG	ND	5	NA		NA		NA	
Chloromethane	UG/KG	ND	5	NA		NA		NA	
Cyclohexane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	NA		NA		NA	
Dibromochloromethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
Ethylbenzene	UG/KG	ND	5	NA		NA		NA	
2-Hexanone	UG/KG	ND	26	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	5	NA		NA		NA	
Methyl acetate	UG/KG	ND	5	NA		NA		NA	
Methylcyclohexane	UG/KG	ND	5	NA		NA		NA	
Methylene chloride	UG/KG	38 B	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	26	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	NA		NA		NA	
Styrene	UG/KG	ND	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA		NA		NA	
Tetrachloroethene	UG/KG	ND	5	NA		NA		NA	
Toluene	UG/KG	ND	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	16	NA		NA		NA	
====IS/SURROGATE(S)====									
Chlorobenzene-D5	%	94	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	96	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	91	50-200	NA		NA		NA	
Toluene-D8	%	114	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	113	68-124	NA		NA		NA	
1,2-Dichloroethane-D4	%	89	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,4-Dichlorobenzene	MG/L	ND	0.040	NA		NA		NA	
2,4-Dinitrotoluene	MG/L	ND	0.040	NA		NA		NA	
Hexachlorobenzene	MG/L	ND	0.040	NA		NA		NA	
Hexachlorobutadiene	MG/L	ND	0.040	NA		NA		NA	
Hexachloroethane	MG/L	ND	0.040	NA		NA		NA	
3-Methylphenol	MG/L	ND	0.040	NA		NA		NA	
2-Methylphenol	MG/L	ND	0.040	NA		NA		NA	
4-Methylphenol	MG/L	ND	0.040	NA		NA		NA	
Nitrobenzene	MG/L	ND	0.040	NA		NA		NA	
Pentachlorophenol	MG/L	ND	0.20	NA		NA		NA	
Pyridine	MG/L	ND	0.10	NA		NA		NA	
2,4,5-Trichlorophenol	MG/L	ND	0.040	NA		NA		NA	
2,4,6-Trichlorophenol	MG/L	ND	0.040	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	95	50-200	NA		NA		NA	
Naphthalene-D8	%	94	50-200	NA		NA		NA	
Acenaphthene-D10	%	98	50-200	NA		NA		NA	
Phenanthrene-D10	%	97	50-200	NA		NA		NA	
Chrysene-D12	%	96	50-200	NA		NA		NA	
Perylene-D12	%	100	50-200	NA		NA		NA	
Nitrobenzene-D5	%	79	46-120	NA		NA		NA	
2-Fluorobiphenyl	%	80	44-120	NA		NA		NA	
p-Terphenyl-d14	%	70	23-143	NA		NA		NA	
Phenol-D5	%	30	10-120	NA		NA		NA	
2-Fluorophenol	%	42	20-120	NA		NA		NA	
2,4,6-Tribromophenol	%	92	59-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 02/15/2007
Time: 11:01:05

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S

Rept: AN0326

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/KG	ND	19	NA		NA		NA	
Aroclor 1221	UG/KG	ND	19	NA		NA		NA	
Aroclor 1232	UG/KG	ND	19	NA		NA		NA	
Aroclor 1242	UG/KG	ND	19	NA		NA		NA	
Aroclor 1248	UG/KG	ND	19	NA		NA		NA	
Aroclor 1254	UG/KG	ND	19	NA		NA		NA	
Aroclor 1260	UG/KG	24	19	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	79	32-148	NA		NA		NA	
Decachlorobiphenyl	%	90	36-153	NA		NA		NA	

13/52

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 02/15/2007
Time: 11:01:09

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
TCLP RCRA METALS

Rept: AN0326

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Arsenic - Total	MG/L	0.013	0.010	NA		NA		NA	
Barium - Total	MG/L	0.36	0.0020	NA		NA		NA	
Cadmium - Total	MG/L	ND	0.0010	NA		NA		NA	
Chromium - Total	MG/L	ND	0.0040	NA		NA		NA	
Lead - Total	MG/L	ND	0.0050	NA		NA		NA	
Mercury - Total	MG/L	ND	0.00020	NA		NA		NA	
Selenium - Total	MG/L	ND	0.015	NA		NA		NA	
Silver - Total	MG/L	ND	0.0030	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 02/15/2007
Time: 11:01:11

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
WET CHEMISTRY ANALYSIS

Rept: AN0326

Client ID		P-73 WASTE PROFILE							
Job No	Lab ID	A07-1222	A7122201						
Sample Date		02/07/2007							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Flashpoint	°F	>200	0	NA		NA		NA	
H2S Released From Waste	MG/KG	ND	10	NA		NA		NA	
HCN Released From Waste	MG/KG	ND	10	NA		NA		NA	
Leachable pH	S.U.	7.1	0.010	NA		NA		NA	

15/52

NA = Not Applicable ND = Not Detected

STL Buffalo

Chronology and QC Summary Package

Date: 02/15/2007
Time: 11:01:20

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
BETHLEHEM - METHOD 8260 - TCLP VOLATILES - S

Rept: AN0326

Client ID		VBLK01		Z-1700					
Job No	Lab ID	A07-1222	A7B0195804	A07-1222	A7B0192001				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	MG/L	ND	0.0050	ND	0.050	NA		NA	
2-Butanone	MG/L	ND	0.025	ND	0.25	NA		NA	
Carbon Tetrachloride	MG/L	ND	0.0050	ND	0.050	NA		NA	
Chlorobenzene	MG/L	ND	0.0050	ND	0.050	NA		NA	
Chloroform	MG/L	ND	0.0050	ND	0.050	NA		NA	
1,2-Dichloroethane	MG/L	ND	0.0050	ND	0.050	NA		NA	
1,1-Dichloroethene	MG/L	ND	0.0050	ND	0.050	NA		NA	
Tetrachloroethene	MG/L	ND	0.0050	ND	0.050	NA		NA	
Trichloroethene	MG/L	ND	0.0050	ND	0.050	NA		NA	
Vinyl chloride	MG/L	ND	0.0050	ND	0.050	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	103	50-200	103	50-200	NA		NA	
1,4-Difluorobenzene	%	105	50-200	103	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	101	50-200	102	50-200	NA		NA	
Toluene-D8	%	104	76-122	103	76-122	NA		NA	
p-Bromofluorobenzene	%	99	73-120	100	73-120	NA		NA	
1,2-Dichloroethane-D4	%	89	72-143	90	72-143	NA		NA	

17/52

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 02/15/2007
Time: 11:01:20

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID		VBLK69							
Job No	Lab ID	A07-1222	A7B0212602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	NA		NA		NA	
Benzene	UG/KG	ND	5	NA		NA		NA	
Bromodichloromethane	UG/KG	ND	5	NA		NA		NA	
Bromoform	UG/KG	ND	5	NA		NA		NA	
Bromomethane	UG/KG	ND	5	NA		NA		NA	
2-Butanone	UG/KG	ND	25	NA		NA		NA	
Carbon Disulfide	UG/KG	ND	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	NA		NA		NA	
Chlorobenzene	UG/KG	ND	5	NA		NA		NA	
Chloroethane	UG/KG	ND	5	NA		NA		NA	
Chloroform	UG/KG	ND	5	NA		NA		NA	
Chloromethane	UG/KG	ND	5	NA		NA		NA	
Cyclohexane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	NA		NA		NA	
Dibromochloromethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
Ethylbenzene	UG/KG	ND	5	NA		NA		NA	
2-Hexanone	UG/KG	ND	25	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	5	NA		NA		NA	
Methyl acetate	UG/KG	ND	5	NA		NA		NA	
Methylcyclohexane	UG/KG	ND	5	NA		NA		NA	
Methylene chloride	UG/KG	4 J	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	NA		NA		NA	
Styrene	UG/KG	ND	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA		NA		NA	
Tetrachloroethene	UG/KG	ND	5	NA		NA		NA	
Toluene	UG/KG	ND	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		VBLK69							
Job No	Lab ID	A07-1222	A7B0212602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
==========IS/SURROGATE(S)==========									
Chlorobenzene-D5	%	97	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	100	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	95	50-200	NA		NA		NA	
Toluene-D8	%	100	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	98	68-124	NA		NA		NA	
1,2-Dichloroethane-D4	%	78	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		MSB01							
Job No	Lab ID	A07-1222	A7B0195803						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	MG/L	0.027	0.0050	NA		NA		NA	
2-Butanone	MG/L	0.097	0.025	NA		NA		NA	
Carbon Tetrachloride	MG/L	0.030	0.0050	NA		NA		NA	
Chlorobenzene	MG/L	0.027	0.0050	NA		NA		NA	
Chloroform	MG/L	0.026	0.0050	NA		NA		NA	
1,2-Dichloroethane	MG/L	0.024	0.0050	NA		NA		NA	
1,1-Dichloroethene	MG/L	0.031	0.0050	NA		NA		NA	
Tetrachloroethene	MG/L	0.029	0.0050	NA		NA		NA	
Trichloroethene	MG/L	0.028	0.0050	NA		NA		NA	
Vinyl chloride	MG/L	0.027	0.0050	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	102	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	103	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	101	50-200	NA		NA		NA	
Toluene-D8	%	102	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	100	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	87	72-143	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:01:20

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID		MSB69							
Job No	Lab ID	A07-1222	A7B0212601						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	190	25	NA		NA		NA	
Benzene	UG/KG	41	5	NA		NA		NA	
Bromodichloromethane	UG/KG	41	5	NA		NA		NA	
Bromoform	UG/KG	50	5	NA		NA		NA	
Bromomethane	UG/KG	40	5	NA		NA		NA	
2-Butanone	UG/KG	190	25	NA		NA		NA	
Carbon Disulfide	UG/KG	44	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	42	5	NA		NA		NA	
Chlorobenzene	UG/KG	48	5	NA		NA		NA	
Chloroethane	UG/KG	37	5	NA		NA		NA	
Chloroform	UG/KG	41	5	NA		NA		NA	
Chloromethane	UG/KG	33	5	NA		NA		NA	
Cyclohexane	UG/KG	42	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	47	5	NA		NA		NA	
Dibromochloromethane	UG/KG	49	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	44	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	49	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	49	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	49	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	26	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	41	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	40	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	43	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	41	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	42	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	42	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	43	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	49	5	NA		NA		NA	
Ethylbenzene	UG/KG	49	5	NA		NA		NA	
2-Hexanone	UG/KG	230	25	NA		NA		NA	
Isopropylbenzene	UG/KG	46	5	NA		NA		NA	
Methyl acetate	UG/KG	30	5	NA		NA		NA	
Methylcyclohexane	UG/KG	43	5	NA		NA		NA	
Methylene chloride	UG/KG	46 B	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	220	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	42	5	NA		NA		NA	
Styrene	UG/KG	50	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	49	5	NA		NA		NA	
Tetrachloroethene	UG/KG	48	5	NA		NA		NA	
Toluene	UG/KG	48	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	48	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	42	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	47	5	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		MSB69							
Job No	Lab ID	A07-1222	A7B0212601						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	44	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	36	5	NA		NA		NA	
Trichloroethene	UG/KG	43	5	NA		NA		NA	
Vinyl chloride	UG/KG	37	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
======IS/SURROGATE(S)======									
Chlorobenzene-D5	%	104	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	106	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	105	50-200	NA		NA		NA	
Toluene-D8	%	110	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	110	68-124	NA		NA		NA	
1,2-Dichloroethane-D4	%	82	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:01:28

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Rept: AN0326

Client ID		J-2059		SBLK					
Job No	Lab ID	A07-1222	A7B0202801	A07-1222	A7B0202808				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,4-Dichlorobenzene	MG/L	ND	0.040	ND	0.040	NA		NA	
2,4-Dinitrotoluene	MG/L	ND	0.040	ND	0.040	NA		NA	
Hexachlorobenzene	MG/L	ND	0.040	ND	0.040	NA		NA	
Hexachlorobutadiene	MG/L	ND	0.040	ND	0.040	NA		NA	
Hexachloroethane	MG/L	ND	0.040	ND	0.040	NA		NA	
3-Methylphenol	MG/L	ND	0.040	ND	0.040	NA		NA	
2-Methylphenol	MG/L	ND	0.040	ND	0.040	NA		NA	
4-Methylphenol	MG/L	ND	0.040	ND	0.040	NA		NA	
Nitrobenzene	MG/L	ND	0.040	ND	0.040	NA		NA	
Pentachlorophenol	MG/L	ND	0.20	ND	0.20	NA		NA	
Pyridine	MG/L	ND	0.10	ND	0.10	NA		NA	
2,4,5-Trichlorophenol	MG/L	ND	0.040	ND	0.040	NA		NA	
2,4,6-Trichlorophenol	MG/L	ND	0.040	ND	0.040	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	84	50-200	89	50-200	NA		NA	
Naphthalene-D8	%	87	50-200	92	50-200	NA		NA	
Acenaphthene-D10	%	89	50-200	92	50-200	NA		NA	
Phenanthrene-D10	%	90	50-200	94	50-200	NA		NA	
Chrysene-D12	%	88	50-200	93	50-200	NA		NA	
Perylene-D12	%	90	50-200	97	50-200	NA		NA	
Nitrobenzene-D5	%	68	46-120	72	46-120	NA		NA	
2-Fluorobiphenyl	%	74	44-120	79	44-120	NA		NA	
p-Terphenyl-d14	%	76	23-143	77	23-143	NA		NA	
Phenol-D5	%	27	10-120	30	10-120	NA		NA	
2-Fluorophenol	%	37	20-120	41	20-120	NA		NA	
2,4,6-Tribromophenol	%	86	59-136	86	59-136	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID Job No Lab ID Sample Date		Matrix Spike Blank A07-1222 A7B0202806		Matrix Spike Blk Dup A07-1222 A7B0202807					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,4-Dichlorobenzene	MG/L	0.28	0.040	0.28	0.040	NA		NA	
2,4-Dinitrotoluene	MG/L	0.34	0.040	0.35	0.040	NA		NA	
Hexachlorobenzene	MG/L	0.26	0.040	0.27	0.040	NA		NA	
Hexachlorobutadiene	MG/L	0.28	0.040	0.31	0.040	NA		NA	
Hexachloroethane	MG/L	0.27	0.040	0.28	0.040	NA		NA	
3-Methylphenol	MG/L	0.52	0.040	0.55	0.040	NA		NA	
2-Methylphenol	MG/L	0.28	0.040	0.29	0.040	NA		NA	
4-Methylphenol	MG/L	0.52	0.040	0.55	0.040	NA		NA	
Nitrobenzene	MG/L	0.30	0.040	0.33	0.040	NA		NA	
Pentachlorophenol	MG/L	0.30	0.20	0.32	0.20	NA		NA	
Pyridine	MG/L	0.19	0.10	0.18	0.10	NA		NA	
2,4,5-Trichlorophenol	MG/L	0.38	0.040	0.37	0.040	NA		NA	
2,4,6-Trichlorophenol	MG/L	0.37	0.040	0.37	0.040	NA		NA	
======IS/SURROGATE(S)======									
1,4-Dichlorobenzene-D4	%	77	50-200	82	50-200	NA		NA	
Naphthalene-D8	%	78	50-200	81	50-200	NA		NA	
Acenaphthene-D10	%	80	50-200	83	50-200	NA		NA	
Phenanthrene-D10	%	82	50-200	84	50-200	NA		NA	
Chrysene-D12	%	84	50-200	84	50-200	NA		NA	
Perylene-D12	%	89	50-200	89	50-200	NA		NA	
Nitrobenzene-D5	%	72	46-120	76	46-120	NA		NA	
2-Fluorobiphenyl	%	77	44-120	80	44-120	NA		NA	
p-Terphenyl-d14	%	78	23-143	76	23-143	NA		NA	
Phenol-D5	%	27	10-120	29	10-120	NA		NA	
2-Fluorophenol	%	37	20-120	40	20-120	NA		NA	
2,4,6-Tribromophenol	%	87	59-136	86	59-136	NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:01:31

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S

Rept: AN0326

Client ID Job No Lab ID Sample Date		Method Blank A07-1222 A7B0185803							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/KG	ND	16	NA		NA		NA	
Aroclor 1221	UG/KG	ND	16	NA		NA		NA	
Aroclor 1232	UG/KG	ND	16	NA		NA		NA	
Aroclor 1242	UG/KG	ND	16	NA		NA		NA	
Aroclor 1248	UG/KG	ND	16	NA		NA		NA	
Aroclor 1254	UG/KG	ND	16	NA		NA		NA	
Aroclor 1260	UG/KG	ND	16	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	79	32-148	NA		NA		NA	
Decachlorobiphenyl	%	86	36-153	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID Job No Lab ID Sample Date		Matrix Spike Blank A07-1222 A7B0185801		Matrix Spike Blk Dup A07-1222 A7B0185802					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/KG	150	16	140	17	NA		NA	
Aroclor 1221	UG/KG	ND	16	ND	17	NA		NA	
Aroclor 1232	UG/KG	ND	16	ND	17	NA		NA	
Aroclor 1242	UG/KG	ND	16	ND	17	NA		NA	
Aroclor 1248	UG/KG	ND	16	ND	17	NA		NA	
Aroclor 1254	UG/KG	ND	16	ND	17	NA		NA	
Aroclor 1260	UG/KG	170	16	180	17	NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	88	32-148	92	32-148	NA		NA	
Decachlorobiphenyl	%	83	36-153	87	36-153	NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:01:35

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
TCLP RCRA METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Extractor Blank A07-1222	A7B0199001	Extractor Blank A07-1222	A7B0200201	Method Blank A07-1222	A7B0199003	Method Blank A07-1222	A7B0200203
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/L	ND	0.0050	NA		ND	0.0050	NA	
Chromium - Total	MG/L	ND	0.0040	NA		ND	0.0040	NA	
Cadmium - Total	MG/L	ND	0.0010	NA		ND	0.0010	NA	
Selenium - Total	MG/L	ND	0.015	NA		ND	0.015	NA	
Arsenic - Total	MG/L	ND	0.010	NA		ND	0.010	NA	
Barium - Total	MG/L	0.032	0.0020	NA		ND	0.0020	NA	
Mercury - Total	MG/L	NA		ND	0.00020	NA		ND	0.00020
Silver - Total	MG/L	ND	0.0030	NA		ND	0.0030	NA	

27/52

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 02/15/2007
Time: 11:01:35

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
TCLP RCRA METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	LCS A07-1222	A7B0199002	LCS A07-1222	A7B0200202	P-73 WASTE PROFILE A07-1222 02/07/2007	A7122201MS	P-73 WASTE PROFILE A07-1222 02/07/2007	A7122201SD
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/L	0.95	0.0050	NA		0.92	0.0050	0.91	0.0050
Chromium - Total	MG/L	0.91	0.0040	NA		0.88	0.0040	0.88	0.0040
Arsenic - Total	MG/L	0.99	0.010	NA		1.0	0.010	0.99	0.010
Cadmium - Total	MG/L	0.97	0.0010	NA		0.90	0.0010	0.92	0.0010
Selenium - Total	MG/L	0.98	0.015	NA		0.96	0.015	0.97	0.015
Silver - Total	MG/L	0.96	0.0030	NA		1.0	0.0030	0.98	0.0030
Barium - Total	MG/L	0.97	0.0020	NA		1.3	0.0020	1.3	0.0020
Mercury - Total	MG/L	NA		0.0071	0.00020	0.0078	0.00020	0.0078	0.00020

28/52

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID Job No Sample Date	Lab ID	Method Blank A07-1222	A7B0194602						
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
H2S Released From Waste	MG/KG	ND	10	NA		NA		NA	
HCN Released From Waste	MG/KG	ND	10	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 02/15/2007
Time: 11:01:37

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
WET CHEMISTRY ANALYSIS

Rept: AN0326

Client ID Job No Lab ID Sample Date		LCS A07-1222 A7B0186501		LCS A07-1222 A7B0194601		LCS A07-1222 A7B0198301			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Flashpoint	°F	80.9	0	NA		NA		NA	
H2S Released From Waste	MG/KG	NA		391	10	NA		NA	
Leachable pH	S.U.	NA		NA		7.0	0.010	NA	
HCN Released From Waste	MG/KG	NA		315	10	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client Sample ID: VBLK01 MSB01
Lab Sample ID: A7B0195804 A7B0195803

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
BETHLEHEM - METHOD 8260 - TCLP VOLATILES					
Benzene	MG/L	0.0268	0.0250	108	77-123
2-Butanone	MG/L	0.0969	0.125	78	64-139
Carbon Tetrachloride	MG/L	0.0296	0.0250	118	75-128
Chlorobenzene	MG/L	0.0267	0.0250	107	77-121
Chloroform	MG/L	0.0258	0.0250	103	75-126
1,2-Dichloroethane	MG/L	0.0236	0.0250	95	74-126
1,1-Dichloroethene	MG/L	0.0307	0.0250	123	66-142
Tetrachloroethene	MG/L	0.0290	0.0250	116	77-120
Trichloroethene	MG/L	0.0277	0.0250	111	77-123
Vinyl chloride	MG/L	0.0267	0.0250	107	55-145

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK69 MSB69
Lab Sample ID: A7B0212602 A7B0212601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	43.0	50.0	86	65-146
Trichloroethene	UG/KG	42.9	50.0	86	74-127
Benzene	UG/KG	41.4	50.0	83	74-128
Toluene	UG/KG	47.7	50.0	96	74-123
Chlorobenzene	UG/KG	47.5	50.0	95	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: SBLK Matrix Spike Blank Matrix Spike Blk Dup
Lab Sample ID: A7B0202808 A7B0202806 A7B0202807

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXT											
1,4-Dichlorobenzene	MG/L	0.277	0.285	0.400	0.400	69	71	70	3	36.0	30-120
2,4-Dinitrotoluene	MG/L	0.342	0.354	0.400	0.400	85	88	87	3	20.0	58-121
Hexachlorobenzene	MG/L	0.255	0.268	0.400	0.400	64	67	66	4	15.0	59-120
Hexachlorobutadiene	MG/L	0.280	0.307	0.400	0.400	70	77	74	10	44.0	25-120
Hexachloroethane	MG/L	0.273	0.284	0.400	0.400	68	71	70	4	46.0	19-120
2-Methylphenol	MG/L	0.277	0.286	0.400	0.400	69	72	71	4	27.0	39-120
3-Methylphenol	MG/L	0.518	0.548	0.800	0.800	65	68	67	4	22.0	39-120
4-Methylphenol	MG/L	0.518	0.548	0.800	0.800	65	68	67	4	24.0	39-120
Nitrobenzene	MG/L	0.304	0.327	0.400	0.400	76	82	79	8	24.0	42-131
Pentachlorophenol	MG/L	0.300	0.322	0.400	0.400	75	81	78	8	37.0	34-157
Pyridine	MG/L	0.187	0.185	0.400	0.400	47	46	47	2	49.0	4-120
2,4,5-Trichlorophenol	MG/L	0.381	0.371	0.400	0.400	95	93	94	2	18.0	67-120
2,4,6-Trichlorophenol	MG/L	0.372	0.371	0.400	0.400	93	93	93	0	19.0	64-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A7B0185803

Matrix Spike Blank
A7B0185801

Matrix Spike Blk Dup
A7B0185802

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
BENCH - METHOD 8082 - POLYCHLORINATED BI											
Aroclor 1260	UG/KG	169	178	162	166	104	107	106	3	50.0	41-139
Aroclor 1016	UG/KG	153	141	162	166	94	85	90	10	50.0	39-131

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: P-73 WASTE PROFILE P-73 WASTE PROFILE P-73 WASTE PROFILE
Lab Sample ID: A7122201 A7122201MS A7122201SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS RPD	QC LIMITS REC.
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg			
TCLP RCRA METALS												
TCLP TOTAL ARSENIC	MG/L	0.0129	0.996	0.993	1.00	1.00	98	98	98	0	20.0	75-125
TCLP TOTAL BARIUM	MG/L	0.357	1.30	1.29	1.00	1.00	95	94	95	1	20.0	75-125
TCLP TOTAL CADMIUM	MG/L	0.00030	0.903	0.916	1.00	1.00	90	92	91	2	20.0	75-125
TCLP TOTAL CHROMIUM	MG/L	0.00150	0.885	0.884	1.00	1.00	88	88	88	0	20.0	75-125
TCLP TOTAL LEAD	MG/L	0	0.920	0.912	1.00	1.00	92	91	92	1	20.0	75-125
TCLP TOTAL MERCURY	MG/L	0	0.00785	0.00775	0.00666	0.00666	118	116	117	2	20.0	80-120
TCLP TOTAL SELENIUM	MG/L	0.00450	0.957	0.967	1.00	1.00	95	96	96	1	20.0	75-125
TCLP TOTAL SILVER	MG/L	0.00020	1.00	0.980	1.00	1.00	100	98	99	2	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Extractor Blank LCS
Lab Sample ID: A7B0199001 A7B0199002

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
TCLP RCRA METALS					
TCLP TOTAL ARSENIC	MG/L	0.986	1.00	99	80-120
TCLP TOTAL BARIUM	MG/L	0.969	1.00	94	80-120
TCLP TOTAL CADMIUM	MG/L	0.972	1.00	97	80-120
TCLP TOTAL CHROMIUM	MG/L	0.908	1.00	91	80-120
TCLP TOTAL LEAD	MG/L	0.948	1.00	94	80-120
TCLP TOTAL SELENIUM	MG/L	0.981	1.00	98	80-120
TCLP TOTAL SILVER	MG/L	0.962	1.00	96	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Extractor Blank LCS
Lab Sample ID: A7B0200201 A7B0200202

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
TCLP RCRA METALS					
TCLP TOTAL MERCURY	MG/L	0.00708	0.00666	106	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A7B0194602 A7B0194601

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
TURN - SECTION 7.3 - REACTIVITY (CYANI	MG/KG	315.0	1000	32	10-100
TURN - SECTION 7.3 - REACTIVITY (SULFI	MG/KG	391.0	570.0	68	10-100

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

BETHLEHEM - METHOD 8260 - TCLP VOLATILES - S

Client Sample ID Job No & Lab Sample ID	P-73 WASTE PROFILE A07-1222 A7122201				
Sample Date	02/07/2007 13:30				
Received Date	02/08/2007 08:35				
TCLP Date/Time	02/08/2007 19:00				
Extraction Date					
Analysis Date	02/10/2007 01:21				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	10.0				
Sample wt/vol	0.005 LITERS				
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	P-73 WASTE PROFILE A07-1222 A7122201				
Sample Date	02/07/2007 13:30				
Received Date	02/08/2007 08:35				
Extraction Date					
Analysis Date	02/14/2007 04:12				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	5.25 GRAMS				
% Dry	90.89				

NA = Not Applicable

BETHLEHEM - METHOD 8260 - TCLP VOLATILES - S

Client Sample ID Job No & Lab Sample ID	MSB01 A07-1222 A7B0195803	MSB69 A07-1222 A7B0212601			
Sample Date					
Received Date					
TCLP Date/Time	-				
Extraction Date					
Analysis Date	02/09/2007 21:25				
TCLP Extraction HT Met?	-				
Extraction HT Met?	-	NA			
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MSB01 A07-1222 A7B0195803	MSB69 A07-1222 A7B0212601			
Sample Date					
Received Date					
Extraction Date					
Analysis Date		02/13/2007 21:50			
Extraction HT Met?	NA	-			
Analytical HT Met?		-			
Sample Matrix		SOIL LOW			
Dilution Factor		1.0			
Sample wt/vol		5.0 GRAMS			
% Dry		100.00			

NA = Not Applicable

BETHLEHEM - METHOD 8260 - TCLP VOLATILES - S

Client Sample ID Job No & Lab Sample ID	VBLK01 A07-1222 A7B0195804	VBLK69 A07-1222 A7B0212602	Z-1700 A07-1222 A7B0192001		
Sample Date					
Received Date					
TCLP Date/Time	-		02/08/2007 19:00		
Extraction Date					
Analysis Date	02/09/2007 22:16		02/09/2007 23:21		
TCLP Extraction HT Met?	-		YES		
Extraction HT Met?	-	NA	-		
Analytical HT Met?	-		-		
Sample Matrix	SOIL LOW		SOIL LOW		
Dilution Factor	1.0		10.0		
Sample wt/vol	0.005 LITERS		0.005 LITERS		
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK01 A07-1222 A7B0195804	VBLK69 A07-1222 A7B0212602	Z-1700 A07-1222 A7B0192001		
Sample Date					
Received Date					
Extraction Date					
Analysis Date		02/13/2007 23:47			
Extraction HT Met?	NA	-	NA		
Analytical HT Met?		-			
Sample Matrix		SOIL LOW			
Dilution Factor		1.0			
Sample wt/vol		5.0 GRAMS			
% Dry		100.00			

NA = Not Applicable

METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Client Sample ID Job No & Lab Sample ID	P-73 WASTE PROFILE A07-1222 A7122201				
Sample Date	02/07/2007 13:30				
Received Date	02/08/2007 08:35				
TCLP Date/Time	02/11/2007				
Extraction Date	02/12/2007 14:00				
Analysis Date	02/13/2007 13:52				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.25 LITERS				
% Dry					

NA = Not Applicable

METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A07-1222 A7B0202806	Matrix Spike Blk Dup A07-1222 A7B0202807			
Sample Date					
Received Date					
TCLP Date/Time	-	-			
Extraction Date	02/12/2007 14:00	02/12/2007 14:00			
Analysis Date	02/13/2007 11:51	02/13/2007 12:15			
TCLP Extraction HT Met?	-	-			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.25 LITERS	0.25 LITERS			
% Dry					

43/52

NA = Not Applicable

METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Client Sample ID Job No & Lab Sample ID	J-2059 A07-1222 A7B0202801	SBLK A07-1222 A7B0202808			
Sample Date					
Received Date					
TCLP Date/Time	-	-			
Extraction Date	02/12/2007 14:00	02/12/2007 14:00			
Analysis Date	02/13/2007 13:04	02/13/2007 12:39			
TCLP Extraction HT Met?	-	-			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.25 LITERS	0.25 LITERS			
% Dry					

NA = Not Applicable

BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S

Client Sample ID Job No & Lab Sample ID	P-73 WASTE PROFILE A07-1222 A7122201				
Sample Date	02/07/2007 13:30				
Received Date	02/08/2007 08:35				
Extraction Date	02/08/2007 15:00				
Analysis Date	02/09/2007 11:15				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.25 GRAMS				
% Dry	87.48				

NA = Not Applicable

BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A07-1222 A7B0185801	Matrix Spike Blk Dup A07-1222 A7B0185802			
Sample Date					
Received Date					
Extraction Date	02/08/2007 15:00	02/08/2007 15:00			
Analysis Date	02/09/2007 10:32	02/09/2007 10:46			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	30.68 GRAMS	30.12 GRAMS			
% Dry	100.00	100.00			

NA = Not Applicable

BENCH - METHOD 8082 - POLYCHLORINATED BIPHENYLS-S

Client Sample ID Job No & Lab Sample ID	Method Blank A07-1222 A7B0185803				
Sample Date					
Received Date					
Extraction Date	02/08/2007 15:00				
Analysis Date	02/09/2007 11:01				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.22 GRAMS				
% Dry	100.00				

47/52

NA = Not Applicable

Date: 02/15/2007 11:02:09
Jobno: A07-1222

TURNKEY ENVIRONMENTAL RESTORATION, LLC
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A7122201	P-73 WASTE PROFILE	MG/L	Arsenic - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Barium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Cadmium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Chromium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Lead - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Mercury - Total	7470	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/12 13:51	Yes	SOIL
		MG/L	Selenium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL
		MG/L	Silver - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:25	Yes	SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A7122201MS	P-73 WASTE PROFILE	MG/L	Arsenic - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Barium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Cadmium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Chromium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Lead - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Mercury - Total	7470	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/12 13:53	Yes	SOIL
		MG/L	Selenium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
		MG/L	Silver - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:40	Yes	SOIL
A7122201SD	P-73 WASTE PROFILE	MG/L	Arsenic - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Barium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Cadmium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Chromium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Lead - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Mercury - Total	7470	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/12 13:55	Yes	SOIL
		MG/L	Selenium - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
		MG/L	Silver - Total	6010	1.00	02/07/2007 13:30	02/08 08:35	02/09	Yes	02/13 00:57	Yes	SOIL
A7B0199003	Method Blank	MG/L	Arsenic - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Barium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Lead - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
		MG/L	Silver - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:10	Yes	WATER
A7B0200203	Method Blank	MG/L	Mercury - Total	7470	1.00	-	- 08:35	NA	NA	02/12 13:59	Yes	WATER
A7B0199001	Extractor Blank	MG/L	Arsenic - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Barium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Lead - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
		MG/L	Silver - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:20	Yes	WATER
A7B0200201	Extractor Blank	MG/L	Mercury - Total	7470	1.00	-	- 08:35	NA	NA	02/12 13:56	Yes	WATER
A7B0199002	LCS	MG/L	Arsenic - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Barium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Cadmium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Chromium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Lead - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Selenium - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
		MG/L	Silver - Total	6010	1.00	-	- 08:35	NA	NA	02/13 00:15	Yes	WATER
A7B0200202	LCS	MG/L	Mercury - Total	7470	1.00	-	- 08:35	NA	NA	02/12 13:57	Yes	WATER

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Date: 02/15/2007 11:02:12
Jobno: A07-1222

TURNKEY ENVIRONMENTAL RESTORATION, LLC
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A7122201	P-73 WASTE PROFILE	S.U.	Leachable pH	9045	1.00	02/07/2007 13:30	02/08 08:35	NA	NA	02/11 13:25	Yes	SOIL
		°F	Flashpoint	1010	1.00	02/07/2007 13:30	02/08 08:35	NA	NA	02/08 14:00	Yes	SOIL
		MG/KG	H2S Released From Waste	SECT7.3	1.00	02/07/2007 13:30	02/08 08:35	NA	NA	02/09 20:00	Yes	SOIL
		MG/KG	HCN Released From Waste	SECT7.3	1.00	02/07/2007 13:30	02/08 08:35	NA	NA	02/09 20:00	Yes	SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Date: 02/15/2007 11:02:12
Jobno: A07-1222

TURNKEY ENVIRONMENTAL RESTORATION, LLC
QC CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A7B0194602	Method Blank	MG/KG	H2S Released From Waste	SECT7.3	1.00	-	- 08:35	NA	NA	02/09 20:00	Yes	SOIL
		MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 08:35	NA	NA	02/09 20:00	Yes	SOIL
A7B0186501	LCS	°F	Flashpoint	1010	1.00	-	- 08:35	NA	NA	02/08 14:00	Yes	SOIL
A7B0194601	LCS	MG/KG	H2S Released From Waste	SECT7.3	1.00	-	- 08:35	NA	NA	02/09 20:00	Yes	SOIL
		MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 08:35	NA	NA	02/09 20:00	Yes	SOIL
A7B0198301	LCS	S.U.	Leachable pH	9045	1.00	-	- 08:35	NA	NA	02/11 13:25	Yes	SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Turnkey Env Restoration, PLLC	Project Manager: PAT Martin	Date: 2-7-07	Chain of Custody Number: 297930
Address: 726 Exchange St Suite 624	Telephone Number (Area Code)/Fax Number: 716-856-0635/0583	Lab Number:	Page 1 of 1
City: BUFFALO / State: NY / Zip Code: 14210	Site Contact: Rick Orbst	Lab Contact: B. Fischer	
Project Name and Location (State): P-73 - Waste Profile - Tecumseh	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Tot VOCs	Tclp VOCs	Tclp SVOCs	Tclp metals/Pest	PCB Flashpt/pH reactivity	Special Instructions/ Conditions of Receipt
P-73 Waste Profile	2-7-07	1330				X	X						X	X	X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other SOAK

QC Requirements (Specify):

1. Relinquished By	Date: 2-8-07	Time: 0835	1. Received By	Date: 2/8/07	Time: 0835
2. Relinquished By	Date:	Time:	2. Received By	Date:	Time:
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: 5.7°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

52/52

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-D350

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE
Task: Tecumseh Redevelopment - Waste Samples

Mr. Bryan Hann
Turnkey/Benchmark
726 Exchange St., Suite 624
Buffalo, NY 14210

STL Buffalo

Brian J. Fischer
Project Manager

11/17/2006

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6D35001	P-73 COMPOSITE	SOIL	11/09/2006	09:00	11/09/2006	14:11
A6D35003	SP-C/D	SOIL	11/09/2006	10:00	11/09/2006	14:11
A6D35002	SP-E/A	SOIL	11/09/2006	09:30	11/09/2006	14:11
A6D35004	SP-F EAST $ WEST	SOIL	11/09/2006	10:30	11/09/2006	14:11

METHODS SUMMARY

Job#: A06-D350

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

PARAMETER	ANALYTICAL METHOD
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A06-D350

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-D350
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The chromatographic peaks for Benzo(b)fluoranthene and Benzo(k)fluoranthene could not be resolved for samples SP-E/A and SP-F EAST $ WEST due to the sample matrix. The final value is reported as Benzo(b)fluoranthene in this data package but should be considered an and/or value for both compounds.

Metals Data

The LCS CLP (Lot D053-540) recovery for Antimony fell outside of the quality control limits, however, the LCS CLP (A6B3004201) value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

****

Dilution Log w/Code Information
For Job A06-D350

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
P-73 COMPOSITE	A6D35001	8270	5.00	002
P-73 COMPOSITE	A6D35001	Calcium - Total	5.00	008
P-73 COMPOSITE	A6D35001	Iron - Total	5.00	008
P-73 COMPOSITE	A6D35001	Manganese - Total	10.00	008
P-73 COMPOSITE	A6D35001	Zinc - Total	5.00	008
SP-E/A	A6D35002	8270	10.00	012
SP-E/A	A6D35002	Calcium - Total	20.00	008
SP-E/A	A6D35002	Iron - Total	20.00	008
SP-E/A	A6D35002	Manganese - Total	20.00	008
SP-C/D	A6D35003	8270	10.00	012
SP-C/D	A6D35003	Manganese - Total	5.00	008
SP-F EAST $ WEST	A6D35004	8270	10.00	008
SP-F EAST $ WEST	A6D35004	Manganese - Total	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID		P-73 COMPOSITE		SP-C/D		SP-E/A		SP-F EAST $ WEST	
Job No	Lab ID	A06-D350	A6D35001	A06-D350	A6D35003	A06-D350	A6D35002	A06-D350	A6D35004
Sample Date		11/09/2006		11/09/2006		11/09/2006		11/09/2006	

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Acenaphthylene	UG/KG	600 J	1800	590 J	4300	360 J	3600	1100 J	4000
Acetophenone	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Anthracene	UG/KG	440 J	1800	620 J	4300	1100 J	3600	1400 J	4000
Atrazine	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Benzaldehyde	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Benzo(a)anthracene	UG/KG	1800	1800	1900 J	4300	1600 J	3600	3500 J	4000
Benzo(b)fluoranthene	UG/KG	2900	1800	3200 J	4300	3200 J	3600	7600	4000
Benzo(k)fluoranthene	UG/KG	940 J	1800	1300 J	4300	ND	3600	ND	4000
Benzo(ghi)perylene	UG/KG	1300 J	1800	2000 J	4300	1400 J	3600	3400 J	4000
Benzo(a)pyrene	UG/KG	2000	1800	2400 J	4300	1700 J	3600	4000	4000
Biphenyl	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Bis(2-chloroethoxy) methane	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Bis(2-chloroethyl) ether	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2,2'-Oxybis(1-Chloropropane)	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Bis(2-ethylhexyl) phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Bromophenyl phenyl ether	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Butyl benzyl phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Caprolactam	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Chloroaniline	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Chloro-3-methylphenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Chloronaphthalene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Chlorophenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Chlorophenyl phenyl ether	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Carbazole	UG/KG	160 J	1800	280 J	4300	300 J	3600	440 J	4000
Chrysene	UG/KG	1800	1800	2100 J	4300	1700 J	3600	3800 J	4000
Dibenzo(a,h)anthracene	UG/KG	400 J	1800	540 J	4300	300 J	3600	830 J	4000
Dibenzofuran	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Di-n-butyl phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
3,3'-Dichlorobenzidine	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
2,4-Dichlorophenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Diethyl phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2,4-Dimethylphenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Dimethyl phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4,6-Dinitro-2-methylphenol	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
2,4-Dinitrophenol	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
2,4-Dinitrotoluene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2,6-Dinitrotoluene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Di-n-octyl phthalate	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Fluoranthene	UG/KG	2600	1800	3800 J	4300	3100 J	3600	7800	4000
Fluorene	UG/KG	ND	1800	ND	4300	ND	3600	240 J	4000
Hexachlorobenzene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Hexachlorobutadiene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000

8/27

NA = Not Applicable ND = Not Detected

Client ID		P-73 COMPOSITE		SP-C/D		SP-E/A		SP-F EAST $ WEST	
Job No / Lab ID		A06-D350 / A6D35001		A06-D350 / A6D35003		A06-D350 / A6D35002		A06-D350 / A6D35004	
Sample Date		11/09/2006		11/09/2006		11/09/2006		11/09/2006	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Hexachlorocyclopentadiene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Hexachloroethane	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Indeno(1,2,3-cd)pyrene	UG/KG	1300 J	1800	1800 J	4300	1200 J	3600	2800 J	4000
Isophorone	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Methylnaphthalene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Methylphenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Methylphenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Naphthalene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Nitroaniline	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
3-Nitroaniline	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
4-Nitroaniline	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
Nitrobenzene	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
2-Nitrophenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
4-Nitrophenol	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
N-nitrosodiphenylamine	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
N-Nitroso-Di-n-propylamine	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Pentachlorophenol	UG/KG	ND	8800	ND	21000	ND	17000	ND	19000
Phenanthrene	UG/KG	980 J	1800	1800 J	4300	1700 J	3600	3200 J	4000
Phenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
Pyrene	UG/KG	2300	1800	3400 J	4300	2600 J	3600	6400	4000
2,4,5-Trichlorophenol	UG/KG	ND	4400	ND	10000	ND	8700	ND	9700
2,4,6-Trichlorophenol	UG/KG	ND	1800	ND	4300	ND	3600	ND	4000
==========IS/SURROGATE(S)==========									
1,4-Dichlorobenzene-D4	%	88	50-200	87	50-200	89	50-200	88	50-200
Naphthalene-D8	%	88	50-200	89	50-200	89	50-200	90	50-200
Acenaphthene-D10	%	89	50-200	88	50-200	88	50-200	88	50-200
Phenanthrene-D10	%	83	50-200	87	50-200	86	50-200	87	50-200
Chrysene-D12	%	88	50-200	90	50-200	90	50-200	92	50-200
Perylene-D12	%	113	50-200	110	50-200	115	50-200	114	50-200
Nitrobenzene-D5	%	90	35-120	93	35-120	92	35-120	89	35-120
2-Fluorobiphenyl	%	96	45-120	103	45-120	95	45-120	96	45-120
p-Terphenyl-d14	%	85	54-135	101	54-135	89	54-135	97	54-135
Phenol-D5	%	82	40-120	91	40-120	85	40-120	85	40-120
2-Fluorophenol	%	66	30-120	68	30-120	68	30-120	64	30-120
2,4,6-Tribromophenol	%	120	46-129	116	46-129	113	46-129	114	46-129

9/27

NA = Not Applicable ND = Not Detected

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
BENCH - TAL (23) METALS - S

Client ID		P-73 COMPOSITE		SP-C/D		SP-E/A		SP-F EAST $ WEST	
Job No	Lab ID	A06-D350	A6D35001	A06-D350	A6D35003	A06-D350	A6D35002	A06-D350	A6D35004
Sample Date		11/09/2006		11/09/2006		11/09/2006		11/09/2006	

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aluminum - Total	MG/KG	9640	10.6	15300	12.0	10000	10.3	16200	11.3
Antimony - Total	MG/KG	ND	15.8	ND	18.0	ND	15.5	ND	16.9
Arsenic - Total	MG/KG	13.9	2.1	76.1	2.4	21.5	2.1	204	2.2
Barium - Total	MG/KG	87.9	0.53	136	0.60	95.4	0.52	150	0.56
Beryllium - Total	MG/KG	1.9	0.21	1.4	0.24	1.6	0.21	2.0	0.22
Cadmium - Total	MG/KG	3.3	0.21	1.1	0.24	2.0	0.21	1.5	0.22
Calcium - Total	MG/KG	113000	264	58600	60.0	173000	1030	85300	56.4
Chromium - Total	MG/KG	364	0.53	126	0.60	632	0.52	204	0.56
Cobalt - Total	MG/KG	7.4	0.53	7.7	0.60	2.5	0.52	6.4	0.56
Copper - Total	MG/KG	66.5	1.0	37.9	1.2	23.1	1.0	34.3	1.1
Iron - Total	MG/KG	190000	52.9	37700	12.0	130000	207	61500	11.3
Lead - Total	MG/KG	75.3	1.0	73.0	1.2	33.6	1.0	70.4	1.1
Magnesium - Total	MG/KG	19800	21.1	9380	24.0	26200	20.7	13200	22.6
Manganese - Total	MG/KG	13400	2.1	2940	1.2	26900	4.1	8550	2.2
Mercury - Total	MG/KG	0.052	0.024	0.033	0.027	ND	0.024	0.045	0.026
Nickel - Total	MG/KG	49.4	0.53	24.1	0.60	11.7	0.52	21.0	0.56
Potassium - Total	MG/KG	706	31.7	1450	36.0	773	31.0	1380	33.8
Selenium - Total	MG/KG	ND	4.2	ND	4.8	ND	4.1	ND	4.5
Silver - Total	MG/KG	0.57	0.53	ND	0.60	ND	0.52	ND	0.56
Sodium - Total	MG/KG	399	148	279	168	305	145	449	158
Thallium - Total	MG/KG	ND	6.3	ND	7.2	ND	6.2	ND	6.8
Vanadium - Total	MG/KG	238	0.53	60.9	0.60	429	0.52	132	0.56
Zinc - Total	MG/KG	1840	5.3	210	1.2	126	1.0	283	1.1

10/27

NA = Not Applicable ND = Not Detected

Chronology and QC Summary Package

Client ID	SBLK			
Job No Lab ID	A06-D350 A6B3002703			
Sample Date				

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/KG	ND	330	NA		NA		NA	
Acenaphthylene	UG/KG	ND	330	NA		NA		NA	
Acetophenone	UG/KG	ND	330	NA		NA		NA	
Anthracene	UG/KG	ND	330	NA		NA		NA	
Atrazine	UG/KG	ND	330	NA		NA		NA	
Benzaldehyde	UG/KG	ND	330	NA		NA		NA	
Benzo(a)anthracene	UG/KG	ND	330	NA		NA		NA	
Benzo(b)fluoranthene	UG/KG	ND	330	NA		NA		NA	
Benzo(k)fluoranthene	UG/KG	ND	330	NA		NA		NA	
Benzo(ghi)perylene	UG/KG	ND	330	NA		NA		NA	
Benzo(a)pyrene	UG/KG	ND	330	NA		NA		NA	
Biphenyl	UG/KG	ND	330	NA		NA		NA	
Bis(2-chloroethoxy) methane	UG/KG	ND	330	NA		NA		NA	
Bis(2-chloroethyl) ether	UG/KG	ND	330	NA		NA		NA	
2,2'-Oxybis(1-Chloropropane)	UG/KG	ND	330	NA		NA		NA	
Bis(2-ethylhexyl) phthalate	UG/KG	ND	330	NA		NA		NA	
4-Bromophenyl phenyl ether	UG/KG	ND	330	NA		NA		NA	
Butyl benzyl phthalate	UG/KG	ND	330	NA		NA		NA	
Caprolactam	UG/KG	ND	330	NA		NA		NA	
4-Chloroaniline	UG/KG	ND	330	NA		NA		NA	
4-Chloro-3-methylphenol	UG/KG	ND	330	NA		NA		NA	
2-Chloronaphthalene	UG/KG	ND	330	NA		NA		NA	
2-Chlorophenol	UG/KG	ND	330	NA		NA		NA	
4-Chlorophenyl phenyl ether	UG/KG	ND	330	NA		NA		NA	
Carbazole	UG/KG	ND	330	NA		NA		NA	
Chrysene	UG/KG	ND	330	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/KG	ND	330	NA		NA		NA	
Dibenzofuran	UG/KG	ND	330	NA		NA		NA	
Di-n-butyl phthalate	UG/KG	ND	330	NA		NA		NA	
3,3'-Dichlorobenzidine	UG/KG	ND	1600	NA		NA		NA	
2,4-Dichlorophenol	UG/KG	ND	330	NA		NA		NA	
Diethyl phthalate	UG/KG	ND	330	NA		NA		NA	
2,4-Dimethylphenol	UG/KG	ND	330	NA		NA		NA	
Dimethyl phthalate	UG/KG	ND	330	NA		NA		NA	
4,6-Dinitro-2-methylphenol	UG/KG	ND	1600	NA		NA		NA	
2,4-Dinitrophenol	UG/KG	ND	1600	NA		NA		NA	
2,4-Dinitrotoluene	UG/KG	ND	330	NA		NA		NA	
2,6-Dinitrotoluene	UG/KG	ND	330	NA		NA		NA	
Di-n-octyl phthalate	UG/KG	ND	330	NA		NA		NA	
Fluoranthene	UG/KG	ND	330	NA		NA		NA	
Fluorene	UG/KG	ND	330	NA		NA		NA	
Hexachlorobenzene	UG/KG	ND	330	NA		NA		NA	
Hexachlorobutadiene	UG/KG	ND	330	NA		NA		NA	

12/27

NA = Not Applicable ND = Not Detected

Date: 11/17/2006
Time: 12:20:47

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

Client ID	SBLK			
Job No Lab ID	A06-D350	A6B3002703		
Sample Date				

Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Hexachlorocyclopentadiene	UG/KG	ND	330	NA		NA		NA	
Hexachloroethane	UG/KG	ND	330	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/KG	ND	330	NA		NA		NA	
Isophorone	UG/KG	ND	330	NA		NA		NA	
2-Methylnaphthalene	UG/KG	ND	330	NA		NA		NA	
2-Methylphenol	UG/KG	ND	330	NA		NA		NA	
4-Methylphenol	UG/KG	ND	330	NA		NA		NA	
Naphthalene	UG/KG	ND	330	NA		NA		NA	
2-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
3-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
4-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
Nitrobenzene	UG/KG	ND	330	NA		NA		NA	
2-Nitrophenol	UG/KG	ND	330	NA		NA		NA	
4-Nitrophenol	UG/KG	ND	1600	NA		NA		NA	
N-nitrosodiphenylamine	UG/KG	ND	330	NA		NA		NA	
N-Nitroso-Di-n-propylamine	UG/KG	ND	330	NA		NA		NA	
Pentachlorophenol	UG/KG	ND	1600	NA		NA		NA	
Phenanthrene	UG/KG	ND	330	NA		NA		NA	
Phenol	UG/KG	ND	330	NA		NA		NA	
Pyrene	UG/KG	ND	330	NA		NA		NA	
2,4,5-Trichlorophenol	UG/KG	ND	800	NA		NA		NA	
2,4,6-Trichlorophenol	UG/KG	ND	330	NA		NA		NA	
======IS/SURROGATE(S)=									
1,4-Dichlorobenzene-D4	%	102	50-200	NA		NA		NA	
Naphthalene-D8	%	101	50-200	NA		NA		NA	
Acenaphthene-D10	%	98	50-200	NA		NA		NA	
Phenanthrene-D10	%	99	50-200	NA		NA		NA	
Chrysene-D12	%	108	50-200	NA		NA		NA	
Perylene-D12	%	102	50-200	NA		NA		NA	
Nitrobenzene-D5	%	81	35-120	NA		NA		NA	
2-Fluorobiphenyl	%	86	45-120	NA		NA		NA	
p-Terphenyl-d14	%	94	54-135	NA		NA		NA	
Phenol-D5	%	77	40-120	NA		NA		NA	
2-Fluorophenol	%	66	30-120	NA		NA		NA	
2,4,6-Tribromophenol	%	90	46-129	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID		Matrix Spike Blank		Matrix Spike Blk Dup					
Job No	Lab ID	A06-D350	A6B3002701	A06-D350	A6B3002702				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/KG	2700	330	2700	320	NA		NA	
Acenaphthylene	UG/KG	ND	330	ND	320	NA		NA	
Acetophenone	UG/KG	ND	330	ND	320	NA		NA	
Anthracene	UG/KG	ND	330	ND	320	NA		NA	
Atrazine	UG/KG	ND	330	ND	320	NA		NA	
Benzaldehyde	UG/KG	ND	330	ND	320	NA		NA	
Benzo(a)anthracene	UG/KG	ND	330	ND	320	NA		NA	
Benzo(b)fluoranthene	UG/KG	ND	330	ND	320	NA		NA	
Benzo(k)fluoranthene	UG/KG	ND	330	ND	320	NA		NA	
Benzo(ghi)perylene	UG/KG	ND	330	ND	320	NA		NA	
Benzo(a)pyrene	UG/KG	ND	330	ND	320	NA		NA	
Biphenyl	UG/KG	ND	330	ND	320	NA		NA	
Bis(2-chloroethoxy) methane	UG/KG	ND	330	ND	320	NA		NA	
Bis(2-chloroethyl) ether	UG/KG	ND	330	ND	320	NA		NA	
2,2'-Oxybis(1-Chloropropane)	UG/KG	ND	330	ND	320	NA		NA	
Bis(2-ethylhexyl) phthalate	UG/KG	ND	330	ND	320	NA		NA	
4-Bromophenyl phenyl ether	UG/KG	ND	330	ND	320	NA		NA	
Butyl benzyl phthalate	UG/KG	ND	330	ND	320	NA		NA	
Caprolactam	UG/KG	ND	330	ND	320	NA		NA	
4-Chloroaniline	UG/KG	ND	330	ND	320	NA		NA	
4-Chloro-3-methylphenol	UG/KG	3000	330	3000	320	NA		NA	
2-Chloronaphthalene	UG/KG	ND	330	ND	320	NA		NA	
2-Chlorophenol	UG/KG	2500	330	2400	320	NA		NA	
4-Chlorophenyl phenyl ether	UG/KG	ND	330	ND	320	NA		NA	
Carbazole	UG/KG	ND	330	ND	320	NA		NA	
Chrysene	UG/KG	ND	330	ND	320	NA		NA	
Dibenzo(a,h)anthracene	UG/KG	ND	330	ND	320	NA		NA	
Dibenzofuran	UG/KG	ND	330	ND	320	NA		NA	
Di-n-butyl phthalate	UG/KG	ND	330	ND	320	NA		NA	
3,3'-Dichlorobenzidine	UG/KG	ND	1600	ND	1600	NA		NA	
2,4-Dichlorophenol	UG/KG	ND	330	ND	320	NA		NA	
Diethyl phthalate	UG/KG	ND	330	ND	320	NA		NA	
2,4-Dimethylphenol	UG/KG	ND	330	ND	320	NA		NA	
Dimethyl phthalate	UG/KG	ND	330	ND	320	NA		NA	
4,6-Dinitro-2-methylphenol	UG/KG	ND	1600	ND	1600	NA		NA	
2,4-Dinitrophenol	UG/KG	ND	1600	ND	1600	NA		NA	
2,4-Dinitrotoluene	UG/KG	2900	330	2900	320	NA		NA	
2,6-Dinitrotoluene	UG/KG	ND	330	ND	320	NA		NA	
Di-n-octyl phthalate	UG/KG	ND	330	ND	320	NA		NA	
Fluoranthene	UG/KG	ND	330	ND	320	NA		NA	
Fluorene	UG/KG	ND	330	ND	320	NA		NA	
Hexachlorobenzene	UG/KG	ND	330	ND	320	NA		NA	
Hexachlorobutadiene	UG/KG	ND	330	ND	320	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Matrix Spike Blank		Matrix Spike Blk Dup					
Job No	Lab ID	A06-D350	A6B3002701	A06-D350	A6B3002702				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Hexachlorocyclopentadiene	UG/KG	ND	330	ND	320	NA		NA	
Hexachloroethane	UG/KG	ND	330	ND	320	NA		NA	
Indeno(1,2,3-cd)pyrene	UG/KG	ND	330	ND	320	NA		NA	
Isophorone	UG/KG	ND	330	ND	320	NA		NA	
2-Methylnaphthalene	UG/KG	ND	330	ND	320	NA		NA	
2-Methylphenol	UG/KG	ND	330	ND	320	NA		NA	
4-Methylphenol	UG/KG	ND	330	ND	320	NA		NA	
Naphthalene	UG/KG	ND	330	ND	320	NA		NA	
2-Nitroaniline	UG/KG	ND	1600	ND	1600	NA		NA	
3-Nitroaniline	UG/KG	ND	1600	ND	1600	NA		NA	
4-Nitroaniline	UG/KG	ND	1600	ND	1600	NA		NA	
Nitrobenzene	UG/KG	ND	330	ND	320	NA		NA	
2-Nitrophenol	UG/KG	ND	330	ND	320	NA		NA	
4-Nitrophenol	UG/KG	2900	1600	2900	1600	NA		NA	
N-nitrosodiphenylamine	UG/KG	ND	330	ND	320	NA		NA	
N-Nitroso-Di-n-propylamine	UG/KG	2800	330	2800	320	NA		NA	
Pentachlorophenol	UG/KG	2500	1600	2400	1600	NA		NA	
Phenanthrene	UG/KG	ND	330	ND	320	NA		NA	
Phenol	UG/KG	2400	330	2300	320	NA		NA	
Pyrene	UG/KG	3500	330	3100	320	NA		NA	
2,4,5-Trichlorophenol	UG/KG	ND	790	ND	790	NA		NA	
2,4,6-Trichlorophenol	UG/KG	ND	330	ND	320	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	100	50-200	98	50-200	NA		NA	
Naphthalene-D8	%	101	50-200	99	50-200	NA		NA	
Acenaphthene-D10	%	99	50-200	97	50-200	NA		NA	
Phenanthrene-D10	%	101	50-200	99	50-200	NA		NA	
Chrysene-D12	%	84	50-200	106	50-200	NA		NA	
Perylene-D12	%	90	50-200	90	50-200	NA		NA	
Nitrobenzene-D5	%	79	35-120	74	35-120	NA		NA	
2-Fluorobiphenyl	%	82	45-120	80	45-120	NA		NA	
p-Terphenyl-d14	%	98	54-135	93	54-135	NA		NA	
Phenol-D5	%	76	40-120	71	40-120	NA		NA	
2-Fluorophenol	%	63	30-120	59	30-120	NA		NA	
2,4,6-Tribromophenol	%	90	46-129	89	46-129	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID Job No Lab ID Sample Date		Method Blank A06-D350 A6B3004202		Method Blank A06-D350 A6B3009102					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Copper - Total	MG/KG	ND	1.0	NA		NA		NA	
Lead - Total	MG/KG	ND	1.0	NA		NA		NA	
Zinc - Total	MG/KG	ND	1.0	NA		NA		NA	
Iron - Total	MG/KG	ND	10	NA		NA		NA	
Beryllium - Total	MG/KG	ND	0.20	NA		NA		NA	
Arsenic - Total	MG/KG	ND	2.0	NA		NA		NA	
Chromium - Total	MG/KG	ND	0.50	NA		NA		NA	
Antimony - Total	MG/KG	ND	15.0	NA		NA		NA	
Cobalt - Total	MG/KG	ND	0.50	NA		NA		NA	
Magnesium - Total	MG/KG	ND	20.0	NA		NA		NA	
Manganese - Total	MG/KG	ND	0.20	NA		NA		NA	
Sodium - Total	MG/KG	ND	140	NA		NA		NA	
Aluminum - Total	MG/KG	ND	10	NA		NA		NA	
Barium - Total	MG/KG	ND	0.50	NA		NA		NA	
Cadmium - Total	MG/KG	ND	0.20	NA		NA		NA	
Calcium - Total	MG/KG	ND	50.0	NA		NA		NA	
Mercury - Total	MG/KG	NA		ND	0.020	NA		NA	
Nickel - Total	MG/KG	ND	0.50	NA		NA		NA	
Potassium - Total	MG/KG	ND	30.0	NA		NA		NA	
Selenium - Total	MG/KG	ND	4.0	NA		NA		NA	
Silver - Total	MG/KG	ND	0.50	NA		NA		NA	
Thallium - Total	MG/KG	ND	6.0	NA		NA		NA	
Vanadium - Total	MG/KG	ND	0.50	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Date: 11/17/2006
Time: 12:20:54

TURNKEY - TECUMSEH REDEVELOPMENT SITE
Tecumseh Redevelopment - Waste Samples
BENCH - TAL (23) METALS - S

Rept: AN0326

Client ID Job No Lab ID Sample Date		LCS A06-D350 A6B3009101		LCS CLP Soils A06-D350 A6B3004201					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Copper - Total	MG/KG	NA		62.6	1.0	NA		NA	
Nickel - Total	MG/KG	NA		50.3	0.50	NA		NA	
Zinc - Total	MG/KG	NA		161	1.0	NA		NA	
Iron - Total	MG/KG	NA		13800	10	NA		NA	
Barium - Total	MG/KG	NA		292	0.50	NA		NA	
Aluminum - Total	MG/KG	NA		8000	10	NA		NA	
Antimony - Total	MG/KG	NA		147	15.0	NA		NA	
Arsenic - Total	MG/KG	NA		116	2.0	NA		NA	
Beryllium - Total	MG/KG	NA		80.5	0.20	NA		NA	
Cadmium - Total	MG/KG	NA		59.3	0.20	NA		NA	
Calcium - Total	MG/KG	NA		3580	49.9	NA		NA	
Chromium - Total	MG/KG	NA		66.4	0.50	NA		NA	
Cobalt - Total	MG/KG	NA		66.2	0.50	NA		NA	
Lead - Total	MG/KG	NA		115	1.0	NA		NA	
Magnesium - Total	MG/KG	NA		2520	20.0	NA		NA	
Manganese - Total	MG/KG	NA		425	0.20	NA		NA	
Mercury - Total	MG/KG	2.3	0.16	NA		NA		NA	
Potassium - Total	MG/KG	NA		3310	29.9	NA		NA	
Selenium - Total	MG/KG	NA		147	4.0	NA		NA	
Silver - Total	MG/KG	NA		97.7	0.50	NA		NA	
Sodium - Total	MG/KG	NA		520	140	NA		NA	
Thallium - Total	MG/KG	NA		119	6.0	NA		NA	
Vanadium - Total	MG/KG	NA		79.6	0.50	NA		NA	

17/27

NA = Not Applicable ND = Not Detected

STL Buffalo

Client Sample ID: SBLK Matrix Spike Blank Matrix Spike Blk Dup
Lab Sample ID: A6B3002703 A6B3002701 A6B3002702

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS											
Phenol	UG/KG	2373	2327	3297	3276	72	71	72	1	25.0	34-120
2-Chlorophenol	UG/KG	2467	2391	3297	3276	75	73	74	3	26.0	37-120
N-Nitroso-Di-n-propylamine	UG/KG	2776	2849	3297	3276	84	87	86	4	20.0	46-120
4-Chloro-3-methylphenol	UG/KG	2983	3004	3297	3276	90	92	91	2	20.0	50-120
Acenaphthene	UG/KG	2690	2745	3297	3276	82	84	83	2	16.0	48-120
4-Nitrophenol	UG/KG	2931	2917	3297	3276	89	89	89	0	25.0	35-132
2,4-Dinitrotoluene	UG/KG	2884	2907	3297	3276	87	89	88	2	19.0	38-122
Pentachlorophenol	UG/KG	2470	2424	3297	3276	75	74	75	1	27.0	40-128
Pyrene	UG/KG	3511	3119	3297	3276	106	95	101	11	25.0	41-138

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS CLP Soils
Lab Sample ID: A6B3004202 A6B3004201

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
BENCH - TAL (23) METALS - S					
BENCH - TOTAL ALUMINUM - S	MG/KG	7996	8260	97	80-120
BENCH - TOTAL ANTIMONY - S	MG/KG	147.4	90.20	163 *	80-120
BENCH - TOTAL ARSENIC - S	MG/KG	116.0	132.0	88	80-120
BENCH - TOTAL BARIUM - S	MG/KG	291.8	319.0	92	80-120
BENCH - TOTAL BERYLLIUM	MG/KG	80.49	89.50	90	80-120
BENCH - TOTAL CADMIUM - S	MG/KG	59.27	66.50	89	80-120
BENCH - TOTAL CALCIUM - S	MG/KG	3577	3920	91	80-120
BENCH - TOTAL CHROMIUM - S	MG/KG	66.36	72.90	91	80-120
BENCH - TOTAL COBALT - S	MG/KG	66.20	73.10	90	80-120
BENCH - TOTAL COPPER - S	MG/KG	62.61	68.50	91	80-120
BENCH - TOTAL IRON	MG/KG	13794	13400	103	80-120
BENCH - TOTAL LEAD - S	MG/KG	114.6	130.0	88	80-120
BENCH - TOTAL MAGNESIUM - S	MG/KG	2522	2610	97	80-120
BENCH - TOTAL MANGANESE - S	MG/KG	425.1	453.0	94	80-120
BENCH - TOTAL NICKEL - S	MG/KG	50.31	55.60	90	80-120
BENCH - TOTAL POTASSIUM - S	MG/KG	3314	3460	96	80-120
BENCH - TOTAL SELENIUM - S	MG/KG	147.0	161.0	91	80-120
BENCH - TOTAL SILVER - S	MG/KG	97.73	101.0	97	80-120
BENCH - TOTAL SODIUM - S	MG/KG	520.0	588.0	86	80-120
BENCH - TOTAL THALLIUM - S	MG/KG	119.0	133.0	89	80-120
BENCH - TOTAL VANADIUM - S	MG/KG	79.58	83.00	96	80-120
BENCH - TOTAL ZINC - S	MG/KG	160.8	177.0	91	80-120

19/27

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B3009102 A6B3009101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
BENCH - TAL (23) METALS - S BENCH - TOTAL MERCURY - S	MG/KG	2.30	2.80	82	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	P-73 COMPOSITE A06-D350 A6D35001	SP-C/D A06-D350 A6D35003	SP-E/A A06-D350 A6D35002	SP-F EAST $ WEST A06-D350 A6D35004	
Sample Date	11/09/2006 09:00	11/09/2006 10:00	11/09/2006 09:30	11/09/2006 10:30	
Received Date	11/09/2006 14:11	11/09/2006 14:11	11/09/2006 14:11	11/09/2006 14:11	
Extraction Date	11/12/2006 08:00	11/12/2006 08:00	11/12/2006 08:00	11/12/2006 08:00	
Analysis Date	11/14/2006 17:26	11/14/2006 18:15	11/14/2006 17:51	11/14/2006 18:40	
Extraction HT Met?	YES	YES	YES	YES	
Analytical HT Met?	YES	YES	YES	YES	
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW	SOIL LOW	
Dilution Factor	5.0	10.0	10.0	10.0	
Sample wt/vol	30.0 GRAMS	30.22 GRAMS	30.8 GRAMS	30.77 GRAMS	
% Dry	90.42	76.49	89.36	80.60	

21/27

NA = Not Applicable

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A06-D350 A6B3002701	Matrix Spike Blk Dup A06-D350 A6B3002702			
Sample Date					
Received Date					
Extraction Date	11/12/2006 08:00	11/12/2006 08:00			
Analysis Date	11/14/2006 10:52	11/14/2006 11:16			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	30.33 GRAMS	30.52 GRAMS			
% Dry	100.00	100.00			

22/27

NA = Not Applicable

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	SBLK A06-D350 A6B3002703				
Sample Date					
Received Date					
Extraction Date	11/12/2006 08:00				
Analysis Date	11/14/2006 11:41				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.02 GRAMS				
% Dry	100.00				

NA = Not Applicable

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A6D35001	P-73 COMPOSITE	MG/KG	Aluminum - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Arsenic - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Calcium - Total	6010	5.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Iron - Total	6010	5.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Manganese - Total	6010	10.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/14 07:25	Yes	SOIL
		MG/KG	Mercury - Total	7471	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 11:37	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
		MG/KG	Zinc - Total	6010	5.00	11/09/2006 09:00	11/09 14:11	NA	NA	11/13 14:41	Yes	SOIL
A6D35003	SP-C/D	MG/KG	Aluminum - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Arsenic - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Calcium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Iron - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Manganese - Total	6010	5.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/14 07:35	Yes	SOIL
		MG/KG	Mercury - Total	7471	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 11:40	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
		MG/KG	Zinc - Total	6010	1.00	11/09/2006 10:00	11/09 14:11	NA	NA	11/13 15:40	Yes	SOIL
A6D35002	SP-E/A	MG/KG	Aluminum - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Date: 11/17/2006 12:21:32
Jobno: A06-D350

TURNKEY ENVIRONMENTAL RESTORATION, LLC
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A6D35002	SP-E/A	MG/KG	Arsenic - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Calcium - Total	6010	20.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/14 07:30	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Iron - Total	6010	20.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/14 07:30	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Manganese - Total	6010	20.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/14 07:30	Yes	SOIL
		MG/KG	Mercury - Total	7471	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 11:39	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
		MG/KG	Zinc - Total	6010	1.00	11/09/2006 09:30	11/09 14:11	NA	NA	11/13 15:35	Yes	SOIL
A6D35004	SP-F EAST $ WEST	MG/KG	Aluminum - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Arsenic - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Calcium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Iron - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Manganese - Total	6010	10.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/14 07:40	Yes	SOIL
		MG/KG	Mercury - Total	7471	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 11:42	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL
		MG/KG	Zinc - Total	6010	1.00	11/09/2006 10:30	11/09 14:11	NA	NA	11/13 15:45	Yes	SOIL

25/27

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A6B3004202	Method Blank	MG/KG	Aluminum - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Arsenic - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Calcium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Iron - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Manganese - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
		MG/KG	Zinc - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:31	Yes	SOIL
A6B3009102	Method Blank	MG/KG	Mercury - Total	7471	1.00	-	- 14:11	NA	NA	11/13 12:28	Yes	SOIL
A6B3009101	LCS	MG/KG	Mercury - Total	7471	1.00	-	- 14:11	NA	NA	11/13 12:27	Yes	SOIL
A6B3004201	LCS CLP Soils	MG/KG	Aluminum - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Antimony - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Arsenic - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Barium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Beryllium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Cadmium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Calcium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Chromium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Cobalt - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Copper - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Iron - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Lead - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Magnesium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Manganese - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Nickel - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Potassium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Selenium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Silver - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Sodium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Thallium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Vanadium - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL
		MG/KG	Zinc - Total	6010	1.00	-	- 14:11	NA	NA	11/13 14:36	Yes	SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Harvey Env Restoration, LLC	PAT martin	11/9/06	285099
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
726 Exchange St Suite 624	716-856-0635/0583		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Buffalo / NY / 14210	Rick Abasz	B. Fisher	
Project Name and Location (State)	**Carrier/Waybill Number**		
Tecumseh / Mittal Steel Stockpiles			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TCL SVOCs	TAL metals	Special Instructions/ Conditions of Receipt
P-73 composite	11/9/06	0900				✓	✓						✓	✓	
SP-E1A	11/9/06	0980				✓	✓						✓	✓	
SP-C1D	11/9/06	1000				✓	✓						✓	✓	
SP-F East & west	11/9/06	1030				✓	✓						✓	✓	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☑ 7 Days ☐ 14 Days ☐ 21 Days ☐ ~~Other~~ Soils

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	11/9/06	1411	[signature]	11/9/06	1411
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time
			4.0°C		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

27/27

ATTACHMENT 2

GENERATOR WASTE CHARACTERIZATION REPORT

MODERN LANDFILL, INC
PO BOX 209
MODEL CITY, NY 14107

GENERATOR WASTE CHARACTERIZATION REPORT

To The Waste Generator:

This package contains the forms required to gain approval for disposal of acceptable waste at Modern Landfill, Inc. If you should require assistance completing this form, please contact this office.

1. **If the facility you are wishing to dispose of waste from is an industrial or chemical site, please do not fill out the generic approval portion of this form (page 4). You must fill out pages 2-3 and contact our sales department at 716-754-8226 for further instructions.**

2. Fully complete this Generator Waste Characterization Form and sign the certifications.

3. Return completed form along with the proper analytical data to this office. Please note: a NYS Certified Laboratory must complete all analysis, **and package must contain all QA/QC information along with the chain of custody**. As of June 15, 1993, Matrix Spike information is no longer necessary to obtain an approval.

4. Modern Landfill must be in receipt of the Hauler's Certificate of Insurance and copy of approved Part 364 prior to waste shipment.

5. Out of State Generators using the NYS Hazardous Waste Manifest must have the manifest approved by this office prior to shipment.

6. A copy of the 47-19-7 Application will be forwarded to you upon approval of the waste by Modern Landfill. The application number provided on the approved 47-19-7 form is necessary to schedule at Modern Landfill.

7. Faxed copies of applications will not be accepted. Original Signatures only!!

8. Annual updates are required for on-going waste streams only and should include this form and analysis. One-time only approvals, generic or 47-19-7 applications are not required to be updated. The paperwork should be submitted 30 days prior to the expiration of the approval (one year from date approved) to insure no lapse in approval occurs. To further assist you, we will enclose a copy of the 47-19-7 application that requires updating.

Scheduling: To schedule an approved waste into the landfill, please contact the Landfill Scalehouse at (716) 754-8226. Please provide the approval number located in the upper right hand corner of the approved 47-19-7 application when scheduling.

If you are not an existing customer or need assistance with transportation, please contact our Sales Department prior to scheduling.

TELEPHONE: (716) 754-8226 FAX: (716) 754-2355
(800) 662-0012

GENERATOR WASTE CHARACTERIZATION REPORT

INSTRUCTIONS: The following form is required for disposal of nonhazardous industrial/commercial wastes at Modern Landfill. Please complete all sections of this report. Send completed report along with the analytical, chain of custody and the Application for Disposal of an Industrial Waste Stream (47-19-7) to this office. A separate form is required for each waste stream.

GENERATOR INFORMATION:
Generator Name: Tecumseh Redevelopment, Inc.
Generating Facility Address: 1951 Hamburg Turnpike Lackawanna NY 14218
Technical Contact: Patrick Martin P.E. Phone: 716-856-0635
Alternate Contact: Paul Wertheimer, P.E. Phone: " - " - "

INVOICING INFORMATION:
Contracting Firm: Turnkey Environmental Restoration, LLC.
Contact: M. Pat Martin, P.E. Phone: 716-856-0635

Do you have an existing account with Modern Landfill? [X] Yes [ ] No

Billing Address: 726 Exchange Street, Suite 624
Buffalo NY 14210

TRANSPORTER INFORMATION:
Hauler Name: Modern Disposal Services NYSDEC Permit No. 98073
Contact Person: _____ Phone No. _____

Is Modern Landfill currently on your Transporter Permit: [ ] Yes [ ] No

If no, please enclose a Part C Application to cover this waste stream.

WASTE INFORMATION:
Common name of waste: Soil/Slag/Debris
Description of process generating this waste: EXCAVATION OF SOIL/FILL FOR CONSTRUCTION OF A FOUNDATION PAD & ACCESS ROAD

Is this waste hazardous under US EPA Guidelines & 6NYCRR Part 371 (d)? [ ] Yes [X] No

Indicate the category which best describes this waste stream:

- [X] Industrial Waste
- [ ] Household Waste
- [ ] Commercial Solid Waste
- [ ] Construction & Demolition Debris
- [ ] Other (Please Specify) _____

PHYSICAL CHARACTERISTICS OF WASTE

The waste is at least 20% solid and contains no free liquid	YES [X]	NO [ ]
The Flashpoint of the waste is >140°f	YES [X]	NO [ ]
The pH level of the waste is between 2.0 and 12.5	YES [X]	NO [ ]
Is the waste reactive (Cyanide/Sulfide)?	YES [ ]	NO [X]
Is the waste free of PCBs	YES [ ]	NO [X]
Color: Brown	Odor: [ ] Strong [ ] Mild [✓] None	

TCLP TESTING AND CERTIFICATION

Metals

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
Arsenic	5.0	0.013	
Barium	100.0	0.36	
Cadmium	1.0		✓
Chromium	5.0		✓
Lead	5.0		✓
Mercury	0.2		✓
Selenium	1.0		✓
Silver	5.0		✓

Herbicides / Pesticides

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
2,4-D	10.0		
2,4,5-TP silvex	1.0		
Endrin	0.02		
Lindane	0.4		
Methoxychlor	10.0		
Toxaphene	0.5		
Chlordane	0.03		
Heptachlor	0.008		

Acid Extractables

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
O-Creosol	200.0		✓
M-Creosol	200.0		✓
P-Creosol	200.0		✓
Pentachlorophenol	100.0		✓
2,4,5-Trichlorophenol	400.0		✓
2,4,6-Trichlorophenol	2.0		✓

Base Neutrals Extractables

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
1,4-Dichlorobenzene	7.5		✓
2,4-Dinitrotoluen	0.13		✓
Hexachlorobenzene	0.13		✓
Hexachlorobutadiene	0.5		✓
Hexachloroethane	3		✓
Nitrobenzene	2		✓
Pyridine	5		✓

Volatile Organics

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
1,1-Dichloroethylene	0.7		✓
Methyl Ethyl Ketone	200.0		✓
Tetrachloroethylene	0.7		✓
Vinyl Chloride	0.2		✓
Benzene	0.5		✓
Carbon Tetrachloride	0.5		✓
Chlorobenzene	100.0		✓
Chloroform	6.0		✓
Trichloroethylene	0.5		✓
1,2-Dichloroethane	0.5		✓

CERTIFICATION

I certify that all information contained within this Generator Waste Characterization Report, including all attached information, is complete and actual and is an accurate representation of known or suspected hazards described herein.

Signature: Patrick T. Martin

Printed Name: PATRICK T. MARTIN

Title: PROJECT MANAGER

Company: TURNKEY ENVIRONMENTAL RESTORATION

Date: MARCH 15, 2007

47-19-7 (10/86) - Text 12
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDSOU WASTE • BUREAU OF HAZARDOUS WASTE OPERATIONS
50 WOLF ROAD, ALBANY, NEW YORK 12233-4017

FOR STATE USE ONLY		
SITE NO.	APPLICATION NO.	DATE RECEIVED
DEPARTMENT ACTION ☐ Approved ☐ Disapproved		DATE

APPLICATION FOR TREATMENT OR DISPOSAL OF AN INDUSTRIAL WASTE STREAM

SEE APPLICATION INSTRUCTIONS ON REVERSE SIDE

1. NAME OF PROJECT/FACILITY MODERN LANDFILL, INC.	2. COUNTY NIAGARA	3. SITE NUMBER 32N30
4. NAME OF OWNER RICHARD WASHUTA	5. ADDRESS (Street, City, State, Zip Code) 4746 Model City Road, Model City, NY 14107	6. TELEPHONE NO. (716) 754-8226
6. NAME OF OPERATOR RICHARD WASHUTA	8. ADDRESS (Street, City, State, Zip Code) Pletcher & Harold Road, Model City, NY 14107	9. TELEPHONE NO. (716) 754-8226

10. METHOD OF TREATMENT OR DISPOSAL

SANITARY LANDFILL - D90

11. COMPANY GENERATING WASTE Tecumseh Redevelopment Inc.	12. ADDRESS OF FACILITY GENERATING WASTE (Street, City, State, Zip Code) 1951 Homburg Turnpike Lackawanna 14218
13. REPRESENTATIVE OF WASTE GENERATOR Patrick Martin, P.E.	14. MAILING ADDRESS OF REPRESENTATIVE 726 Exchange St Buffalo NY 14210
	15. TELEPHONE NO. 716-856-0635

16. DESCRIPTION OF PROCESS PRODUCING WASTE

17. EXPECTED ANNUAL WASTE PRODUCTION 1000 Tons/Year _____ Gallons/Year	18. WASTE HAULED IN ☐ Drums ☐ Bulk Tank ☐ Roll-Off Container ☒ Other Dump Trailers
19. WASTE COMPOSITION 19A. Average Percent Solids 95%	19b. Physical State ☐ Liquid ☐ Slurry ☐ Sludge ☒ Solid ☐ Contained Gas
19c. pH Range 7 to 7.5	

19d. COMPONENTS	CONDENTRATION (Dry Weight) Upper	Lower	Typical	UNIT (Check One) Wt. %	ppm
1) Soil			70%	☒	☐
2) Concrete, Slag, Misc. Hard Debris			5%	☒	☐
3) Water			5%	☐	☐
4)				☐	☐

20. IS AN ANALYSIS OF WASTE ATTACHED? ☒ Yes ☐ No	21. WAS A TCLP TEST CONDUCTED ON THE WASTE? ☒ Yes ☐ No If "yes", attach results	22. MATERIAL IS: ☐ Hazardous ☒ Non-Hazardous

23. DETAIL ALL HAZARD AND NUISANCE PROBLEMS ASSOCIATED WITH THE WASTES. List necessary safety, handling, treatment and disposal precautions.

None

24. WHERE WAS MATERIAL DISPOSED OF PREVIOUSLY? NA

25. NAME OF WASTE TRANSPORTER Modern Disposal Services	26. ADDRESS (Street, City, State, Zip Code) 4746 Model City Rd. Model City NY 14107	27. NYSDEC PERMIT No. 98073	28. TELEPHONE NO>

29. CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

a. SIGNATURE AND TITLE OF REPRESENTATIVE OF WASTE GENERATOR Patrick J. Martin Project Manager	DATE 3/15/07
b. SIGNATURE AND TITLE OF REPRESENTATIVE OF TREATMENT OR DISPOSAL FACILITY	DATE

TECUMSEH REDEVELOPMENT, INC.
Third Party Signature Authorization
Solid Waste Disposal

Date: March 14, 2007

To Whom It May Concern:

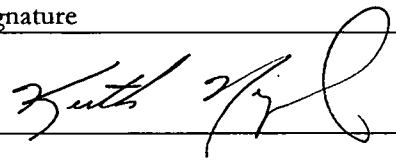
Please be advised that the following company has been appointed to work as our agent for the purpose of managing waste materials that we may generate.

Name of Authorized Agent	Title
Patrick T. Martin, P.E.	**Project Manager**
Name of Company	Telephone Number
TurnKey Environmental Restoration **726 Exchange Street, Suite 624** **Buffalo, NY 14210**	**716-856-0635**

The above company/individual is authorized to act as our authorized agent for the following purposes:

- Complete and sign Generator Waste Characterization Report
- Sign contracts to dispose and/or transport material
- Sign certification necessary to comply with landfill requirements
- Sign manifests to initiate shipments to disposal facilities

Our authorized agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our names.

Name of Generator	Title
Tecumseh Redevelopment, Inc.	**Director of Environmental Affairs**
Name of Company	Mailing Address
Tecumseh Redevelopment, Inc	**4020 Kinross Lakes Pkwy** **Richfield, OH 44286**
Signature	Telephone Number
	**330-659-9165**

ATTACHMENT 3

SOIL/FILL DISPOSAL TONNAGE SUMMARY

TurnKey Environmental Restoration, LLC

Customer	TranDate	Service Description	Trans.	Tonnage	Rate	Total Charges	Ticket #
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	22.72	36.25	$ 823.60 TK	3443297
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	23.8	36.25	$ 862.75 TK	3448117
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.76	36.25	$ 897.55 TK	3448229
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.04	36.25	$ 907.70 TK	3448232
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	21.51	36.25	$ 779.74 TK	3448640
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	23.55	36.25	$ 853.69 TK	3448641
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	21.91	36.25	$ 794.24 TK	3448642
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.3	36.25	$ 880.88 TK	3448643
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.36	36.25	$ 883.05 TK	3448644
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	29.71	36.25	$ 1,076.99 TK	3448645
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	19.52	36.25	$ 725.00 TK	3448768
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	27.51	36.25	$ 997.24 TK	3448775
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	27.43	36.25	$ 994.34 TK	3448777
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	27.96	36.25	$ 1,013.55 TK	3448779
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.84	36.25	$ 900.45 TK	3448780
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	33.1	36.25	$ 1,199.88 TK	3449005
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	30.15	36.25	$ 1,092.94 TK	3449009
15212	3/27/2007	TONS (M07-2164)CONTAMINATED SOIL	725	31.69	36.25	$ 1,148.76 TK	3449076
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.6	36.25	$ 928.00 TK	3443302
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	23.19	36.25	$ 840.64 TK	3448770
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	28.97	36.25	$ 1,050.16 TK	3449068
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	23.82	36.25	$ 863.48 TK	3449072
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	23.84	36.25	$ 864.20 TK	3449456
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	19.1	36.25	$ 725.00 TK	3449463
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	14.75	36.25	$ 725.00 TK	3449465
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	17.89	36.25	$ 725.00 TK	3449467
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	20.55	36.25	$ 744.94 TK	3449470
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.75	36.25	$ 933.44 TK	3449472
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	20.23	36.25	$ 733.34 TK	3449476
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	20.84	36.25	$ 755.45 TK	3449477
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	32.6	36.25	$ 1,181.75 TK	3449480
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	20.5	36.25	$ 743.13 TK	3449483
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	27.27	36.25	$ 988.54 TK	3449486
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	18.28	36.25	$ 725.00 TK	3452514
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.2	36.25	$ 913.50 TK	3452517
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.91	36.25	$ 902.99 TK	3452779
15212	3/28/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.78	36.25	$ 934.53 TK	3452894
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	20.87	36.25	$ 756.54 TK	3453122
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	19.95	36.25	$ 725.00 TK	3453123
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	22.87	36.25	$ 829.04 TK	3453125
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.35	36.25	$ 918.94 TK	3453126
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.39	36.25	$ 920.39 TK	3453127
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	22.6	36.25	$ 819.25 TK	3453128
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	22.3	36.25	$ 808.38 TK	3453129
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	22.55	36.25	$ 817.44 TK	3453130
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	24.85	36.25	$ 900.81 TK	3453133
15212	3/29/2007	TONS (M07-2164)CONTAMINATED SOIL	725	25.16	36.25	$ 912.05 TK	3453134
				1134.82		$ 41,518.28	
		Per load average	25.79136				

ATTACHMENT 4

REPRESENTATIVE PROJECT PHOTOGRAPHS

TURNKEY ENVIRONMENTAL RESTORATION, LLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
1	11/09/06

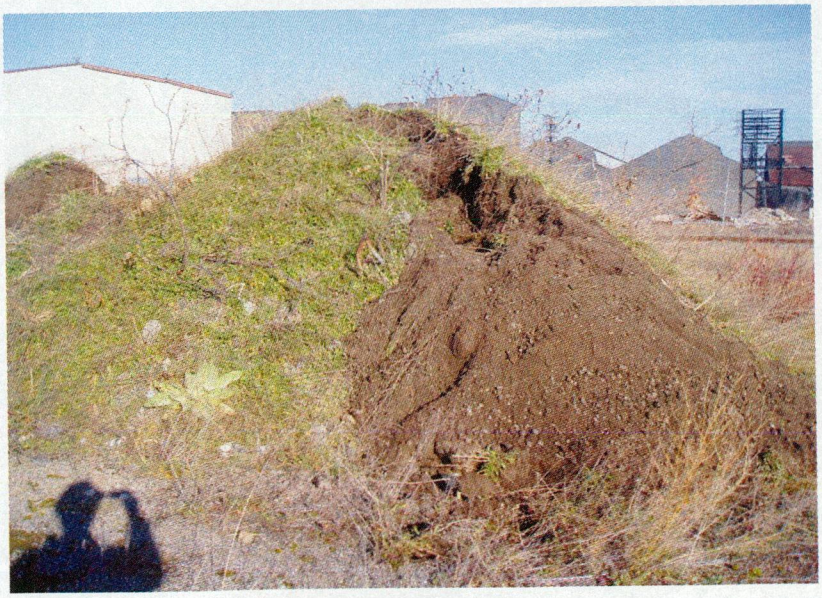
Direction Photo Taken:
Northwest

Description:
P-73 "West" Stockpile During Sample Collection.

Photo No.	Date
2	11/09/06

Direction Photo Taken:
North

Description:
P-73 "West" Stockpile During Sample Collection.



Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
3	11/09/06

Direction Photo Taken:
East

Description:
P-73 "East" Stockpile during sample collection.

Photo No.	Date
4	11/09/06

Direction Photo Taken:
East

Description:
P-73 "East" Stockpile during sample collection.

Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
5	03/27/07

Direction Photo Taken:
West

Description:
SP-F "West" soil stockpile prior to offsite disposal.

Photo No.	Date
6	03/27/07

Direction Photo Taken:
West

Description:
SP-F "West" soil stockpile loaded for offsite disposal.

Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
7	03/27/07

Direction Photo Taken:
West

Description:
Loading of SP-F "East" stockpile for off-site disposal.

Photo No.	Date
8	03/27/07

Direction Photo Taken:
Southwest

Description:
Site following off-site disposal of SP-F-"West & East" Stockpile.

Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
9	03/27/07

Direction Photo Taken:
North

Description:
Loading of soil stockpile SP-A, SP-B, & SP-E for offsite disposal.

Photo No.	Date
10	03/29/07

Direction Photo Taken:
Southwest

Description:
View of site following disposal of SP-A, SP-B, SP-C, SP-D & SP-E soil stockpiles.

Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Tecumseh Redevelopment,Inc	Mittal Steel Property- Lackawanna, NY	0071-007-121

Photo No.	Date
11	03/29/07

Direction Photo Taken:
West

Description:
Loading of P-73 "West" stockpile for off-site disposal.

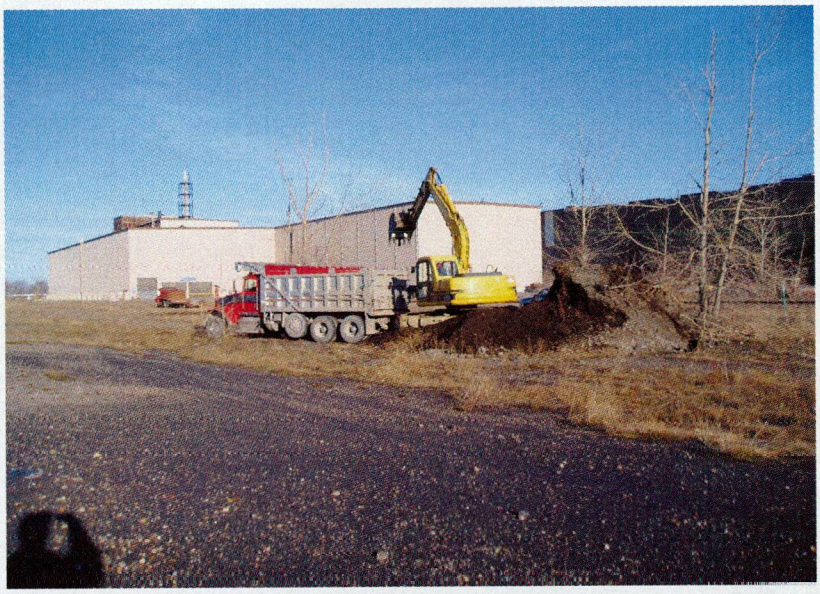


Photo No.	Date
12	03/29/07

Direction Photo Taken:
Southwest

Description:
Loading of P-73 "East" stockpile for off-site disposal.

Prepared By: RLD

Prepared by:

726 Exchange Street, Suite 624 | Buffalo, NY 14210