Weston Solutions, Inc.
Suite 500
750 East Bunker Court
Vernon Hills, IL 60061-1450
847-918-4000 • Fax 847-918-4055
www.westonsolutions.com

US EPA RECORDS CENTER REGION 5
488265

11 October 2002

Mr. Steve Faryan,
On-Scene Coordinator
United States Environmental Protection Agency
Emergency Response Branch
77 West Jackson Boulevard, HSE-5J
Chicago, Illinois 60604

Contract No.: 68-W-00-119
DCN: 293-2A-ACFJ
TDD: 0208-003

Re: Emergency Response for the 76th and Parnell Site, Chicago, Cook County, Illinois

Dear Mr. Faryan:

On 6 August 2002, Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) personnel, Todd Williams, Alex Grubb, and Barry Crawford responded to the emergency response at the property located at West 76th Street and South Parnell Avenue in Chicago, Illinois. WESTON personnel met with the United States Environmental Protection Agency (U.S. EPA) On-Scene Coordinator (OSC) Steve Faryan at 0900 hours on 6 August 2002. Annalisa Ahumada from the City of Chicago Department of Environment (CDOE) was also present on-site.

SITE HISTORY:

The property located at West 76th Street and South Parnell Avenue was historically used as a carriage and automobile manufacturing facility from 1897 to 1951. The historical uses since 1951 include a firebrick manufacturer; laundry supplier; and a variety of metals processing, plating, and finishing facilities. Currently the site is abandoned, and consists of a vacant lot on the northern portion of the site and a heavily wooded area on the southern portion of the site.

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The site was reported to the U.S. EPA by the CDOE as a result of Phase I Environmental Site Assessment (ESA) that was conducted by Consoer Townsend Envirodyne (CTE) Engineers, Inc. During this Phase I ESA investigation, abandment drums, in disrepair, were discovered within the wooded area. In addition, during further investigations one of the drums that was discovered ruptured during removal from the wooded area.

SITE WALK THROUGH AND SAMPLING ACTIVITIES:

At 1000 hours, U.S. EPA, CDOE, and WESTON performed a site walkthrough. In the vacant area located in the northern portion of the site concrete barricades were discovered, apparently to prevent vehicle traffic on the site. The only other items discovered on the northern portion of the site were historical concrete slabs and foundations. Numerous drums were present in the wooded area in the southern portion of the site. The majority of the drums were either leaking or open. Continuous air monitoring was performed during the site walkthrough. Constituents monitored for included: volatile organic compounds (VOCs), combustible gases, air/oxygen content, toxic vapors and radiation. The air monitoring was accomplished using a Multi-RAE multi-parameter meter and a flame-ionization detector (FID). The radiation was monitored using a Geiger-Mueller (GM) pancake radiation detector. All monitoring instruments were calibrated according to manufacturer specifications prior to use on the site. During the site walkthrough, no air monitoring readings above background were indicated by any of the instruments in the breathing zone.

OSC Faryan and WESTON then agreed that some clearing of the wooded area would be necessary before any sampling of the drums could occur. WESTON personnel obtained the necessary equipment to clear an access path to the area where the drums were located. After the wooded area was cleared, an exclusion zone, contamination reduction zone, and support zone were established.

Following the clearing of the access path, WESTON personnel Crawford and Williams donned Level B personal protective equipment (PPE). At approximately 1345 hours, WESTON Crawford and Williams entered the exclusion zone. A total of four drum samples were collected (D-1, D-3,

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D-4, and D-5) from drums that were easily accessible. The drum samples were collected in Level B PPE. WESTON also collected five soil samples (S-1, S-2, S-3, S-4, and S-6) from soil that had visual staining and where drum contents had apparently spilled onto the ground. Head space readings were recorded from the drums as they were opened using the multi-RAE. Liquid drum samples were collected using drum thieves. Solid drum samples and soil samples were collected using disposable plastic scoops.

The drum samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals, reactive cyanide, reactive sulfide, pH, flashpoint, and a paint filter analysis was also conducted. Soil samples S-1, S-2, and S-3 were also analyzed for TCLP metals, reactive cyanide, reactive sulfide, pH, flashpoint, and paint filter. Soil samples S-4 and S-6 were only analyzed for TCLP metals and Target Analyte List (TAL) metals. The samples were shipped to and analyzed by Severn Trent Laboratories (STL) in University Park, Illinois.

After collection of the samples was complete proper decontamination took place in the designated contamination reduction zone. Decontamination was done using paper towels dampened with an alconox/water mixture and PPE was fully decontaminated before removal. Following decontamination and PPE removal, the PPE and other investigative derived waste was placed into plastic bags and sealed with tape. These plastic bags were labeled and stored in the contamination reduction zone that was located near the drum area. At approximately 1700 hours all personnel demobilized from the site.

ANALYTICAL RESULTS:

A total of four drum samples ((D-1, D-3, D-4, and D-5) and five soil samples (S-1, S-2, S-3, S-4, and S-6) were collected during the site investigation. Analytical results of these samples indicated the presence of TCLP metals in both soil and drum contents, and TAL metals in soil. A summary of the analytical results is presented in Tables 1 through 4. Complete analytical results are included in an attachment to this report.

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Analytical results were compared to regulatory criteria levels. Results of this comparison are presented in Tables 1 through 4. Three sets of criteria were used for the comparison:

- U.S. EPA Region IX Preliminary Remediation Goals (PRGs) for industrial areas;
- Illinois Administrative Code (IAC) Title 35, Part 742 *Tiered Approach to Corrective Action Objectives* (TACO) Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties;
- 40 Code of Federal Regulations (CFR) Part 261, characteristics of hazardous waste.

Four drum samples (D-1, D-3, D-4, and D-5) were analyzed for TCLP metals. The results are presented in Table 1. The only constituents detected at concentrations above method detection limits in the drum samples analyzed for TCLP metals were barium and lead. None of the compounds in the TCLP metals analysis exceeded the regulatory level for toxicity.

The analysis for other hazardous waste characteristics was preformed on four drum samples (D-1, D-3, D-4, and D-5) and three soil samples (S-1, S-2, and S-3). The results are presented in Table 2. All of the samples analyzed for hazardous waste characteristics had levels that were within the regulatory level for cyanide reactivity, sulfide reactivity, pH, and flashpoint. In addition, the drum sample D-1 failed the paint filter test, which indicates that the sample contained free liquid.

Five soil samples (S-1, S-2, S-3, S-4, and S-5) were analyzed for TCLP metals. The results are presented in Table 3. The only constituents detected at concentrations above method detection limits in the soil samples analyzed for TCLP metals were: arsenic, barium, cadmium, chromium, lead, and selenium. However, these metal concentrations were below the regulatory level. Based on the results of the laboratory analysis, none of the drums were determined to contain hazardous wastes.

Two soil samples (S-4 and S-6) were analyzed for TAL metals. The results are presented in Table 4. All of the TAL metals were detected at concentrations above method detection limits in the two soil samples. The only constituent detected at concentrations that exceeded the regulatory levels listed above was lead in soil samples S-4 (1,100 mg/kg) and S-6 (5,800 mg/kg).

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If you have any questions or comments about the site, please contact us at our Vernon Hills Office at (847) 918-4000.

Very truly yours,

Weston Solutions, Inc.

for
Barry L. Crawford
START Site Lead

Richard H. Mehl, Jr.
START Project Manger

cc: Ms. Lorraine Kosik, START Project Officer, U.S. EPA, Region V
File

Attachments:

1 Site Location Map
2 Site Map
3 Analytical Results Summary Tables
4 Photos
5 Analytical Results

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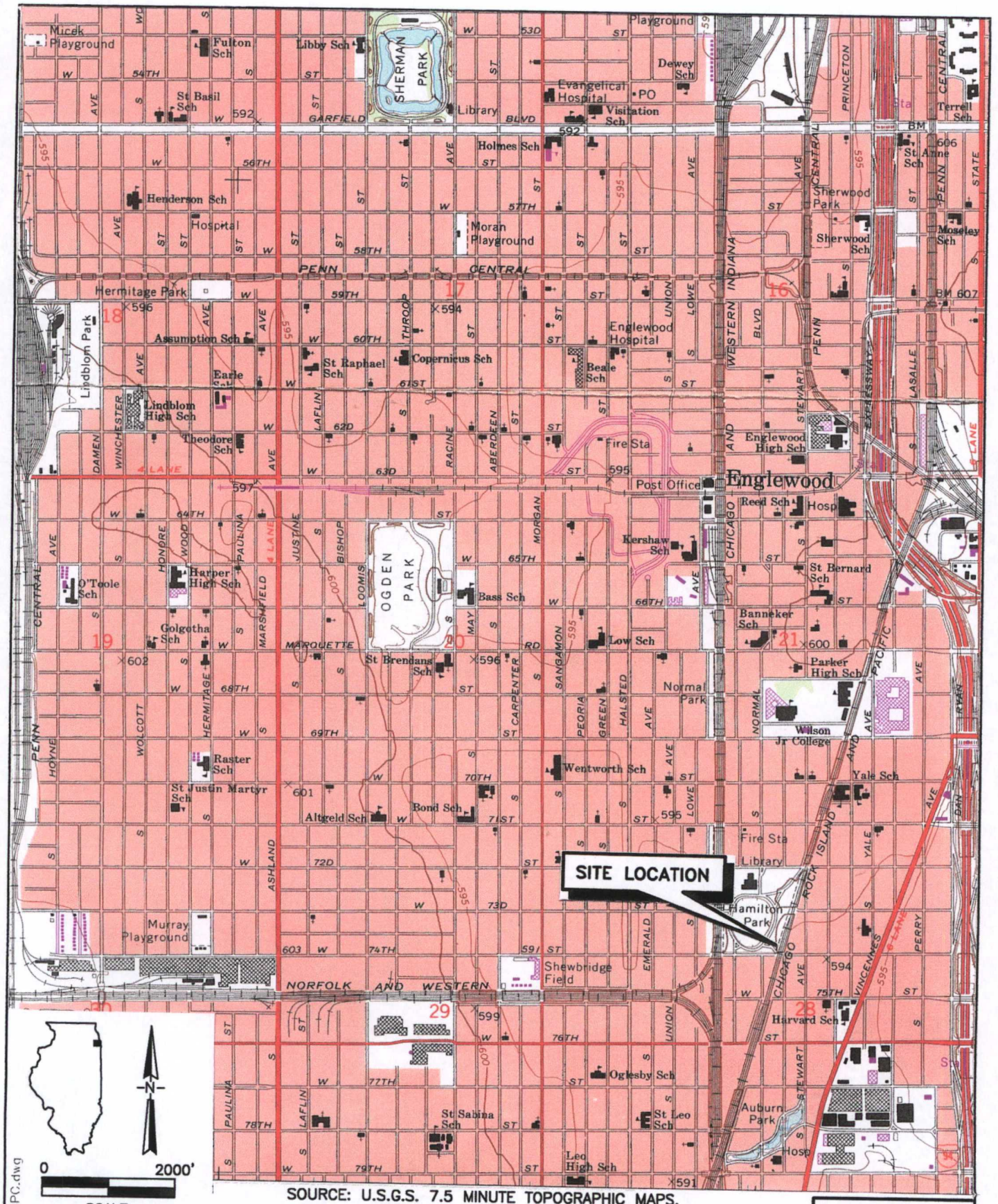
ATTACHMENT 1

SITE LOCATION MAP



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAPS.
ENGLEWOOD, ILLINOIS QUADRANGLE.

FIGURE 1

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
U.S. EPA CONTRACT No. 68-W-00-119
WORK ASSIGNMENT No. 0208-003
DOCUMENT CONTROL No. RFW293-2A-ACFJ

SITE LOCATION MAP
76th AND PARNELL SITE
Chicago, Illinois

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ATTACHMENT 2

SITE MAP

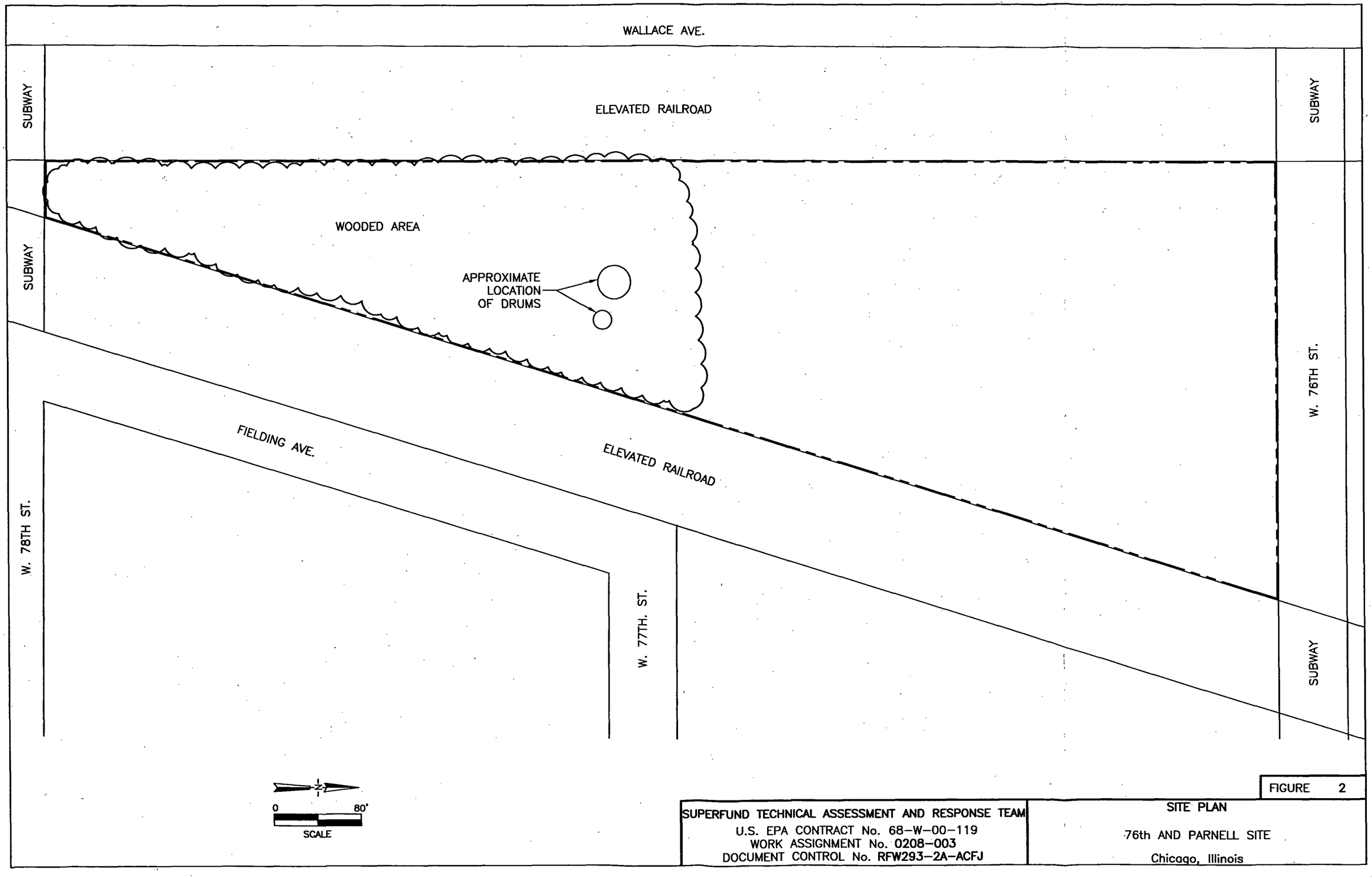

FIGURE 2

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
U.S. EPA CONTRACT No. 68-W-00-119
WORK ASSIGNMENT No. 0208-003
DOCUMENT CONTROL No. RFW293-2A-ACFJ

SITE PLAN

76th AND PARNELL SITE

Chicago, Illinois

ATTACHMENT 3

ANALYTICAL RESULTS SUMMARY TABLES

Table 1

Drum Contents TCLP Metals Sampling Results
76th and Parnell Site, Chicago, IL

Sample ID	D-1	D-3	D-4	D-5	Criteria Level[a]
Sample Type	solid	solid	solid	solid	
Chemical Name					
Arsenic (mg/L)	0.01 U	0.01 U	0.01 U	0.01 U	5.0
Barium (mg/L)	0.32	0.38	1.1	0.16	100.0
Cadmium (mg/L)	0.002 U	0.002 U	0.002 U	0.002 U	1.0
Chromium (mg/L)	0.01 U	0.01 U	0.01 U	0.01 U	5.0
Lead (mg/L)	0.005 U	0.005 U	0.014	0.015 U	5.0
Mercury (mg/L)	0.002 U	0.002 U	0.002 U	0.002 U	0.2
Selenium (mg/L)	0.01 U	0.01 U	0.01 U	0.01 U	1.0
Silver (mg/L)	0.005 U	0.005 U	0.005 U	0.005 U	5.0

[a] 40 CFR - Chapter 1 - 261.24, Maximum concentration of contanimants for the toxicity characteristic
Samples without criteria levels were not listed in this table.
Bold and highlighted sample concentrations are higher than the criteria level for that compound
Sample concentrations flagged with U are below method detection limits
Sample concentrations flagged with J are estimated
mg/L = milligrams per liter

Table 2

Other Characteristics of Hazardous Waste Sampling Results
76th and Parnell Site, Chicago, IL

Analysis	Cyanide Reactivity (mg/kg)	Sulfide Reactivity (mg/kg)	pH (temperature at analysis)	Flashpoint (°F)	Paint filter test
Sample Type	**waste**	**waste**	**waste**	**waste**	**waste**
Regulatory Level[a]	**250**	**500**	**2>pH or pH>12.5**	**<140**	
Sample ID					
D-1	1.7 U	5 U	7.46	>200	**FAIL**
D-3	1.6 U	130 U	7.3	>200	PASS
D-4	1.7 U	130 U	6.3	>200	PASS
D-5	1.7 U	130 U	10.2	>200	PASS
S-1	1.5 U	130 U	7.6	>200	PASS
S-2	1.6 U	130 U	6.5	>200	PASS
S-3	1.6 U	130 U	7.1	>200	PASS

[a] 40 CFR - Chapter 1 - 261.21 and 261.23
Bold and highlighted sample results exceed the criteria level
Sample concentrations flagged with U were below method detection limits
NA = not applicable
mg/kg = milligrams per kilogram
°F = degrees Fahrenheit
Pass = No free liquid present
Fail = Free liquid present

Table 3

Surface Soil TCLP Metals Sampling Results
76th and Parnell Site, Chicago, IL

Sample ID	S-1	S-2	S-3	S-4	S-6	Criteria Level[a]
Sample Type	soil	soil	soil	soil	soil	
Chemical Name						
Arsenic (mg/L)	0.01 U	0.01 U	0.2	0.016	0.01 U	5.0
Barium (mg/L)	1.1	1.6	0.84	1.6	1.1	100.0
Cadmium (mg/L)	0.02	0.98	0.008	0.017	0.003	1.0
Chromium (mg/L)	0.01 U	0.69	0.01 U	0.01 U	0.01 U	5.0
Lead (mg/L)	0.22	0.14	0.034	0.17	4.0	5.0
Mercury (mg/L)	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.2
Selenium (mg/L)	0.01 U	0.15	0.01 U	0.01 U	0.01 U	1.0
Silver (mg/L)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	5.0

[a] 40 CFR - Chapter 1 - 261.24, Maximum concentration of contanimants for the toxicity characteristic

Samples without criteria levels were not listed in this table.
Bold and highlighted sample concentrations are higher than the criteria level for that compound
Sample concentrations flagged with U are below method detection limits
Sample concentrations flagged with J are estimated
mg/L = milligrams per liter

Table 4

Surface Soil TAL Metals Sampling Results
76th and Parnell Site, Chicago, IL

Sample ID	S-4	S-6	Criteria Level	
Sample Type	soil	soil	Industrial	
Chemical Name			Region IX[a]	TACO[b]
Aluminum (mg/kg)	7,700	2,200	100,000	N.L.
Antimony (mg/kg)	5.1	28	818	82
Arsenic (mg/kg)	14	5.2	439	61
Barium (mg/kg)	640	120	100,000	14,000
Beryllium (mg/kg)	0.44	0.31	2,242	410
Cadmium (mg/kg)	6.7	0.54	809	200
Calcium (mg/kg)	28,000	11,000	N.L.	N.L.
Chromium (mg/kg)	110	11	448	420
Cobalt (mg/kg)	7.1	2.4	100,000	12,000
Copper (mg/kg)	690	120	75,908	8,200
Iron (mg/kg)	36,000	12,000	100,000	N.L.
Lead (mg/kg)	1,100	5,800	750	400
Magnesium (mg/kg)	12,000	4,500	N.L.	N.L.
Manganese (mg/kg)	530	160	32,250	9,600
Mercury (mg/kg)	2.1	0.05	613	61
Nickel (mg/kg)	83	12	40,877	4,100
Potassium (mg/kg)	950	440	N.L.	N.L.
Selenium (mg/kg)	1.2	0.32	10,220	1,000
Silver (mg/kg)	2.1	0.63	10,220	1,000
Sodium (mg/kg)	250	95	N.L.	N.L.
Thallium (mg/kg)	0.63	0.48	135	160
Vanadium (mg/kg)	27	8.8	14,308	1,400
Zinc (mg/kg)	1,800	250	100,000	61,000

[a] U.S. EPA Region IX Industrial PRGs for Combined Exposure Pathways
[b] IEPA TACO Tier 1 Remediation Objectives for Industrial/Commercial Properties
Bold and highlighted sample concentrations are higher than the most conservative industrial criteria level for that compound
Sample concentrations flagged with U were below method detection limits
Sample concentrations flagged with J are estimated
N.L. = Not listed
ug/kg = micrograms per kilogram

ATTACHMENT 4

PHOTOS

Photo 1 - View of the site facing south.

Photo 2 - WESTON personnel in Level B PPE preparing to sample drums.

Photo 3 - Aqueous sample being collected using a drum theif.

Photo 4 - Soil sample being collected using a disposable plastic scoop.

Photo 5 - Solid sample being collected from a drum using a disposable plastic scoop.

ATTACHMENT 5

ANALYTICAL RESULTS

SEVERN TRENT SERVICES

STL Chicago

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 211202

Prepared For:

Weston Solutions, Inc.
2501 Jolly Road
Suite 100
Okemos, MI 48864-3974

Project: START - 76th and Parnell Avenue Site

Attention: Linda Korobka

Date: 08/22/2002

Signature

Name: Eric A. Lang

Title: Project Manager

E-Mail: elang@stl-inc.com

8/22/02
Date

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

STL Chicago is part of Severn Trent Laboratories, Inc.

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: Weston Solutions, Inc
Project ID: START- 76th and Parnell
STL Job#: 211202

Date Recd: 08/06/02

1. This narrative covers the Metals analysis of samples in the above STL Job.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) bracketing the samples were within control limits.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) bracketing the samples were within control limits.

5. All Preparation/Method Blanks were below Reporting Limits except for Ca,Fe & Pb in Soil prep batch 59523. Ca, Fe & Pb in the Soil samples were greater than 10X the blank concentration. Therefore, reanalysis was not performed.

6. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

7. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

8. Soil sample 1:

   All Serial Dilution analysis were within control limits except for Ca,Co, Fe, Ni, K & Zn.

   All Matrix spike (MS/MSD) recoveries were within the 75-125% control limits (control limits are not applicable when the sample concentration exceed the spike added concentration by a factor of 4 or more) except for Sb, As, Cd, K (MS/MSD), Ni (MS).

   Duplicate results were within the 20% RPD control limits for sample concentration greater than 5X the CRDL or +\- the CRDL for sample concentration less than 5X the CRDL except for Mn & Fe.

Metals case narrative
211202

9 TCLP Leachate sample 2:

All Serial dilution analysis were within control limits except for Potassium.

All Matrix spike recoveries were greater than 50%.

All Duplicate results were within the 20% control limits for sample concentration greater than 5X the RL or +\- the RL for sample concentration less than 5X the RL.

Mani S.Iyer
Metals Section Manager

8/20/02
Date

SEVERN TRENT SERVICES

STL Chicago

SAMPLE INFORMATION
Date: 08/22/2002

Job Number.: 211202
Customer...: Weston Solutions, Inc.
Attn.....: Rick Mehl

Project Number.....: 20002495
Customer Project ID....: START-76TH AND PARNELL
Project Description....: START - 76th and Parnell Avenue Site

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
211202-1	D-1	DrumLiq	08/06/2002	14:05	08/06/2002	09:00
211202-2	D-3	Solid	08/06/2002	14:13	08/06/2002	09:00
211202-3	D-4	Solid	08/06/2002	14:15	08/06/2002	09:00
211202-4	D-5	Solid	08/06/2002	14:25	08/06/2002	09:00
211202-5	S-1	Solid	08/06/2002	14:15	08/06/2002	09:00
211202-6	S-2	Solid	08/06/2002	14:20	08/06/2002	09:00
211202-7	S-3	Solid	08/06/2002	14:30	08/06/2002	09:00
211202-8	S-4	Solid	08/06/2002	14:40	08/06/2002	09:00
211202-9	S-6	Solid	08/06/2002	14:56	08/06/2002	09:00

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SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: D-1
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:05
Sample Matrix.....: DrumLiq

Laboratory Sample ID: 211202-1
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9040B	pH (Liquid)											
	Corrosivity (pH-Liquids)	7.46			0.20	0.20	1	pH Units	59188		08/07/02 1707	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide	5.0	U		5.0	5.0	1	* mg/Kg	59323		08/08/02 1628	nrp
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.7	U		1.7	2.5	1	mg/Kg	59112		08/07/02 1605	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees f	60646		08/22/02 0610	jmk
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	59838		08/14/02 1328	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2031	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2031	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2031	tds
	Barium, TCLP Leach	0.32	B		0.010	1.0	1	mg/L	60241		08/16/02 2031	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2031	tds
	Cadmium, TCLP Leach	0.002	U		0.002	0.050	1	mg/L	60241		08/16/02 2031	tds
	Calcium, TCLP Leach	5.1			0.10	5.0	1	mg/L	60241		08/16/02 2031	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2031	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2031	tds
	Copper, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2031	tds
	Iron, TCLP Leach	0.54			0.050	0.10	1	mg/L	60241		08/16/02 2031	tds
	Lead, TCLP Leach	0.0050	U		0.0050	0.050	1	mg/L	60241		08/16/02 2031	tds
	Magnesium, TCLP Leach	1.4	B		0.10	5.0	1	mg/L	60241		08/16/02 2031	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: D-1
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:05
Sample Matrix.....: DrumLiq

Laboratory Sample ID: 211202-1
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Manganese, TCLP Leach	0.091			0.010	0.050	1	mg/L	60241		08/16/02 2031	tds
	Nickel, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2031	tds
	Potassium, TCLP Leach	3.2	B		0.50	5.0	1	mg/L	60241		08/16/02 2031	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2031	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2031	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1431	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2031	tds
	Zinc, TCLP Leach	0.090	B		0.020	0.10	1	mg/L	60241		08/16/02 2031	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: START-76TH AND PARNE

ATTN: Rick Mehl

Customer Sample ID: D-3
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:13
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-2
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	85.7			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	14.3			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.6	U		1.6	2.4	1	mg/Kg	59112		08/07/02 1605	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 0745	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0915	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	7.3				0.2	1	pH Units	59195		08/07/02 1726	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	240	1	mg/Kg	59323		08/08/02 1634	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1357	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2049	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2049	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2049	tds
	Barium, TCLP Leach	0.38	B		0.010	1.0	1	mg/L	60241		08/16/02 2049	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2049	tds
	Cadmium, TCLP Leach	0.002	U		0.002	0.050	1	mg/L	60241		08/16/02 2049	tds

* In Description = Dry Wgt.

STL-4112 (0603)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: D-3
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:13
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-2
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	23			0.10	5.0	1	mg/L	60241		08/16/02 2049	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2049	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2049	tds
	Copper, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2049	tds
	Iron, TCLP Leach	0.056	B		0.050	0.10	1	mg/L	60241		08/16/02 2049	tds
	Lead, TCLP Leach	0.0050	U		0.0050	0.050	1	mg/L	60241		08/16/02 2049	tds
	Magnesium, TCLP Leach	4.4	B		0.10	5.0	1	mg/L	60241		08/16/02 2049	tds
	Manganese, TCLP Leach	0.56			0.010	0.050	1	mg/L	60241		08/16/02 2049	tds
	Nickel, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2049	tds
	Potassium, TCLP Leach	6.3			0.50	5.0	1	mg/L	60241		08/16/02 2049	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2049	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2049	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1438	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2049	tds
	Zinc, TCLP Leach	0.094	B		0.020	0.10	1	mg/L	60241		08/16/02 2049	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARKE ATTN: Rick Mehl

Customer Sample ID: D-4
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:15
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-3
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	71.4			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	28.6			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.7	U		1.7	2.5	1	mg/Kg	59112		08/07/02 1606	rmm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 0832	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0920	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	6.3				0.2	1	pH Units	59199		08/07/02 1738	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	250	1	mg/Kg	59323		08/08/02 1642	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1359	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2115	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2115	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2115	tds
	Barium, TCLP Leach	1.1			0.010	1.0	1	mg/L	60241		08/16/02 2115	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2115	tds
	Cadmium, TCLP Leach	0.002	U		0.002	0.050	1	mg/L	60241		08/16/02 2115	tds

* In Description = Dry Wgt.

ST.-4112 (06001)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: START-76TH AND PARNE

ATTN: Rick Mehl

Customer Sample ID: D-4
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:15
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-3
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	78			0.10	5.0	1	mg/L	60241		08/16/02 2115	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2115	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2115	tds
	Copper, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2115	tds
	Iron, TCLP Leach	0.12			0.050	0.10	1	mg/L	60241		08/16/02 2115	tds
	Lead, TCLP Leach	0.014	B		0.0050	0.050	1	mg/L	60241		08/16/02 2115	tds
	Magnesium, TCLP Leach	20			0.10	5.0	1	mg/L	60241		08/16/02 2115	tds
	Manganese, TCLP Leach	0.19			0.010	0.050	1	mg/L	60241		08/16/02 2115	tds
	Nickel, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2115	tds
	Potassium, TCLP Leach	41			0.50	5.0	1	mg/L	60241		08/16/02 2115	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2115	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2115	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1502	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2115	tds
	Zinc, TCLP Leach	0.65			0.020	0.10	1	mg/L	60241		08/16/02 2115	tds

* In Description = Dry Wgt.

STL-4112 (0800)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: D-5
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:25
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-4
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	61.8			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	38.2			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.7	U		1.7	2.5	1	mg/Kg	59112		08/07/02 1606	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 0920	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0925	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	10.2				0.2	1	pH Units	59195		08/07/02 1729	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	240	1	mg/Kg	59323		08/08/02 1645	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1401	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2220	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2220	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2220	tds
	Barium, TCLP Leach	0.16	B		0.010	1.0	1	mg/L	60241		08/16/02 2220	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2220	tds
	Cadmium, TCLP Leach	0.002	U		0.002	0.050	1	mg/L	60241		08/16/02 2220	tds

* In Description = Dry Wgt.

STL-4112 (0803C)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: STAR1-76TH AND PARNE

ATTN: Rick Mehl

Customer Sample ID: D-5
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:25
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-4
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	2.1	B		0.10	5.0	1	mg/L	60241		08/16/02 2220	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2220	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2220	tds
	Copper, TCLP Leach	0.026	B		0.010	0.050	1	mg/L	60241		08/16/02 2220	tds
	Iron, TCLP Leach	0.17			0.050	0.10	1	mg/L	60241		08/16/02 2220	tds
	Lead, TCLP Leach	0.015	B		0.0050	0.050	1	mg/L	60241		08/16/02 2220	tds
	Magnesium, TCLP Leach	0.29	B		0.10	5.0	1	mg/L	60241		08/16/02 2220	tds
	Manganese, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2220	tds
	Nickel, TCLP Leach	0.012	B		0.010	0.050	1	mg/L	60241		08/16/02 2220	tds
	Potassium, TCLP Leach	2.3	B		0.50	5.0	1	mg/L	60241		08/16/02 2220	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2220	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2220	tds
	Thallium, TCLP Leach	0.10	U		0.10	5.0	10	mg/L	60365		08/20/02 1102	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2220	tds
	Zinc, TCLP Leach	0.044	B		0.020	0.10	1	mg/L	60241		08/16/02 2220	tds

* In Description = Dry Wgt.

STL-4112 (0600)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-1
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:15
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-5
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.6			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	10.4			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.5	U		1.5	2.2	1	mg/Kg	59112		08/07/02 1607	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 1007	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0930	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	7.6				0.2	1	pH Units	59195		08/07/02 1731	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	240	1	mg/Kg	59323		08/08/02 1648	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1408	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2121	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2121	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2121	tds
	Barium, TCLP Leach	1.1			0.010	1.0	1	mg/L	60241		08/16/02 2121	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2121	tds
	Cadmium, TCLP Leach	0.020	B		0.002	0.050	1	mg/L	60241		08/16/02 2121	tds

* In Description = Dry Wgt.

STL-4112 (0603)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-1
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:15
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-5
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	360			0.10	5.0	1	mg/L	60241		08/16/02 2121	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2121	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2121	tds
	Copper, TCLP Leach	0.11			0.010	0.050	1	mg/L	60241		08/16/02 2121	tds
	Iron, TCLP Leach	0.19			0.050	0.10	1	mg/L	60241		08/16/02 2121	tds
	Lead, TCLP Leach	0.22			0.0050	0.050	1	mg/L	60241		08/16/02 2121	tds
	Magnesium, TCLP Leach	38			0.10	5.0	1	mg/L	60241		08/16/02 2121	tds
	Manganese, TCLP Leach	1.0			0.010	0.050	1	mg/L	60241		08/16/02 2121	tds
	Nickel, TCLP Leach	0.070			0.010	0.050	1	mg/L	60241		08/16/02 2121	tds
	Potassium, TCLP Leach	26			0.50	5.0	1	mg/L	60241		08/16/02 2121	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2121	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2121	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1532	tds
	Vanadium, TCLP Leach	0.008	B		0.005	0.050	1	mg/L	60241		08/16/02 2121	tds
	Zinc, TCLP Leach	8.6			0.020	0.10	1	mg/L	60241		08/16/02 2121	tds

* In Description = Dry Wgt.

ST_ 4112 (06001

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: START-76TH AND PARNE

ATTN: Rick Mehl

Customer Sample ID: S-2
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:20
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-6
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	47.7			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	52.3			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.6	U		1.6	2.4	1	mg/Kg	59112		08/07/02 1607	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 1055	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0935	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	6.5				0.2	1	pH Units	59199		08/07/02 1740	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	240	1	mg/Kg	59323		08/08/02 1650	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1410	gpk
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2143	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2143	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2143	tds
	Barium, TCLP Leach	1.6			0.010	1.0	1	mg/L	60241		08/16/02 2143	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2143	tds
	Cadmium, TCLP Leach	0.98			0.002	0.050	1	mg/L	60241		08/16/02 2143	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-2
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:20
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-6
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	42			0.10	5.0	1	mg/L	60241		08/16/02 2143	tds
	Chromium, TCLP Leach	0.69			0.010	0.050	1	mg/L	60241		08/16/02 2143	tds
	Cobalt, TCLP Leach	0.084			0.005	0.050	1	mg/L	60241		08/16/02 2143	tds
	Copper, TCLP Leach	37			0.010	0.050	1	mg/L	60241		08/16/02 2143	tds
	Iron, TCLP Leach	0.050	U		0.050	0.10	1	mg/L	60241		08/16/02 2143	tds
	Lead, TCLP Leach	0.14			0.0050	0.050	1	mg/L	60241		08/16/02 2143	tds
	Magnesium, TCLP Leach	3.5	B		0.10	5.0	1	mg/L	60241		08/16/02 2143	tds
	Manganese, TCLP Leach	0.21			0.010	0.050	1	mg/L	60241		08/16/02 2143	tds
	Nickel, TCLP Leach	50			0.010	0.050	1	mg/L	60241		08/16/02 2143	tds
	Potassium, TCLP Leach	6.9			0.50	5.0	1	mg/L	60241		08/16/02 2143	tds
	Selenium, TCLP Leach	0.15			0.010	0.10	1	mg/L	60241		08/16/02 2143	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2143	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1538	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2143	tds
	Zinc, TCLP Leach	590			2.0	10	100	mg/L	60365		08/20/02 1127	tds

* In Description = Dry Wgt.

STL-4112(0803)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-3
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:30
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-7
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	68.6			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	31.4			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7.3.3.2/9014	Reactivity, Cyanide											
	Reactivity, Cyanide, Solid	1.6	U		1.6	2.3	1	mg/Kg	59112		08/07/02 1607	rnm
1010	Ignitability (Pensky-Martens Closed-Cup)											
	Ignitability (Flashpoint), Solid	>200					1	degrees F	60646		08/22/02 1142	jmk
9095A	Paint Filter Test											
	Paint Filter Test, Solid	0					1	mL/100g	59193		08/08/02 0940	jmk
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	7.1				0.2	1	pH Units	59195		08/07/02 1732	nrp
7.3.4.2/9034	Reactivity, Sulfide											
	Reactivity, Sulfide, Solid	130	U		130	240	1	mg/Kg	59323		08/08/02 1653	nrp
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1412	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.20	U		0.20	0.20	1	mg/L	60241		08/16/02 2149	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2149	tds
	Arsenic, TCLP Leach	0.20			0.010	0.10	1	mg/L	60241		08/16/02 2149	tds
	Barium, TCLP Leach	0.84	B		0.010	1.0	1	mg/L	60241		08/16/02 2149	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2149	tds
	Cadmium, TCLP Leach	0.008	B		0.002	0.050	1	mg/L	60241		08/16/02 2149	tds

* In Description = Dry Wgt.

STL-4112 (06DC)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-3
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:30
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-7
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Calcium, TCLP Leach	230			0.10	5.0	1	mg/L	60241		08/16/02 2149	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2149	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2149	tds
	Copper, TCLP Leach	0.029	B		0.010	0.050	1	mg/L	60241		08/16/02 2149	tds
	Iron, TCLP Leach	0.28			0.050	0.10	1	mg/L	60241		08/16/02 2149	tds
	Lead, TCLP Leach	0.034	B		0.0050	0.050	1	mg/L	60241		08/16/02 2149	tds
	Magnesium, TCLP Leach	38			0.10	5.0	1	mg/L	60241		08/16/02 2149	tds
	Manganese, TCLP Leach	0.63			0.010	0.050	1	mg/L	60241		08/16/02 2149	tds
	Nickel, TCLP Leach	0.017	B		0.010	0.050	1	mg/L	60241		08/16/02 2149	tds
	Potassium, TCLP Leach	41			0.50	5.0	1	mg/L	60241		08/16/02 2149	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2149	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2149	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1555	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2149	tds
	Zinc, TCLP Leach	2.0			0.020	0.10	1	mg/L	60241		08/16/02 2149	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-4
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:40
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-8
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	82.1			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	17.9			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	2.1			0.033	0.20	5	mg/Kg	59256		08/08/02 1418	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	7700			1.8	15	1	mg/Kg	59788		08/13/02 1506	lmr
	Antimony, Solid*	5.1			0.68	1.5	1	mg/Kg	59788		08/13/02 1506	lmr
	Arsenic, Solid*	14			0.38	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Barium, Solid*	640			0.12	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Beryllium, Solid*	0.44			0.033	0.30	1	mg/Kg	59788		08/13/02 1506	lmr
	Cadmium, Solid*	6.7			0.060	0.15	1	mg/Kg	59788		08/13/02 1506	lmr
	Calcium, Solid*	28000		H	2.3	7.5	1	mg/Kg	59788		08/13/02 1506	lmr
	Chromium, Solid*	110			0.17	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Cobalt, Solid*	7.1			0.11	0.38	1	mg/Kg	59788		08/13/02 1506	lmr
	Copper, Solid*	690			0.68	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Iron, Solid*	36000		H	11	19	5	mg/Kg	59788		08/13/02 1633	lmr
	Lead, Solid*	1100		H	0.32	0.38	1	mg/Kg	59788		08/13/02 1506	lmr
	Magnesium, Solid*	12000			1.3	7.5	1	mg/Kg	59788		08/13/02 1506	lmr
	Manganese, Solid*	530			0.098	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Nickel, Solid*	83			0.19	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Potassium, Solid*	950			10	38	1	mg/Kg	59788		08/13/02 1506	lmr
	Selenium, Solid*	1.2			0.30	0.75	1	mg/Kg	59788		08/13/02 1506	lmr
	Silver, Solid*	2.1			0.23	0.38	1	mg/Kg	59788		08/13/02 1506	lmr
	Sodium, Solid*	250			65	75	1	mg/Kg	59797		08/13/02 1733	lmr
	Thallium, Solid*	0.63	B		0.50	0.75	1	mg/Kg	59850		08/14/02 1439	lmr
	Vanadium, Solid*	27			0.16	0.38	1	mg/Kg	59797		08/13/02 1733	lmr

* In Description = Dry Wgt.

STL-4112 (0600)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-4
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:40
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-8
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	1800			1.5	7.5	5	mg/Kg	59788		08/13/02 1633	lmr
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1414	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.28			0.20	0.20	1	mg/L	60241		08/16/02 2156	tds
	Antimony, TCLP Leach	0.020	U		0.020	0.10	1	mg/L	60241		08/16/02 2156	tds
	Arsenic, TCLP Leach	0.016	B		0.010	0.10	1	mg/L	60241		08/16/02 2156	tds
	Barium, TCLP Leach	1.6			0.010	1.0	1	mg/L	60241		08/16/02 2156	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2156	tds
	Cadmium, TCLP Leach	0.017	B		0.002	0.050	1	mg/L	60241		08/16/02 2156	tds
	Calcium, TCLP Leach	250			0.10	5.0	1	mg/L	60241		08/16/02 2156	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2156	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2156	tds
	Copper, TCLP Leach	0.14			0.010	0.050	1	mg/L	60241		08/16/02 2156	tds
	Iron, TCLP Leach	0.31			0.050	0.10	1	mg/L	60241		08/16/02 2156	tds
	Lead, TCLP Leach	0.17			0.0050	0.050	1	mg/L	60241		08/16/02 2156	tds
	Magnesium, TCLP Leach	43			0.10	5.0	1	mg/L	60241		08/16/02 2156	tds
	Manganese, TCLP Leach	0.65			0.010	0.050	1	mg/L	60241		08/16/02 2156	tds
	Nickel, TCLP Leach	0.039	B		0.010	0.050	1	mg/L	60241		08/16/02 2156	tds
	Potassium, TCLP Leach	14			0.50	5.0	1	mg/L	60241		08/16/02 2156	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2156	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2156	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1601	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2156	tds
	Zinc, TCLP Leach	4.1			0.020	0.10	1	mg/L	60241		08/16/02 2156	tds

* In Description = Dry Wgt.

STI-4112 (0603)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: START-76TH AND PARNE

ATTN: Rick Mehl

Customer Sample ID: S-6
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:56
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-9
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	86.5			0.10	0.10	1	%	59143		08/07/02 2040	pfk
	% Moisture, Solid	13.5			0.10	0.10	1	%	59143		08/07/02 2040	pfk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.050			0.0062	0.038	1	mg/Kg	59256		08/08/02 1409	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	2200			1.7	14	1	mg/Kg	59788		08/13/02 1627	lmr
	Antimony, Solid*	28			0.65	1.4	1	mg/Kg	59788		08/13/02 1627	lmr
	Arsenic, Solid*	5.2			0.37	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Barium, Solid*	120			0.12	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Beryllium, Solid*	0.31			0.032	0.29	1	mg/Kg	59788		08/13/02 1627	lmr
	Cadmium, Solid*	0.54			0.058	0.14	1	mg/Kg	59788		08/13/02 1627	lmr
	Calcium, Solid*	11000		H	2.2	7.2	1	mg/Kg	59788		08/13/02 1627	lmr
	Chromium, Solid*	11			0.16	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Cobalt, Solid*	2.4			0.10	0.36	1	mg/Kg	59788		08/13/02 1627	lmr
	Copper, Solid*	120			0.65	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Iron, Solid*	12000		H	2.2	3.6	1	mg/Kg	59788		08/13/02 1627	lmr
	Lead, Solid*	5800		H	1.5	1.8	5	mg/Kg	59788		08/13/02 1719	lmr
	Magnesium, Solid*	4500			1.2	7.2	1	mg/Kg	59788		08/13/02 1627	lmr
	Manganese, Solid*	160			0.094	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Nickel, Solid*	12			0.18	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Potassium, Solid*	440			9.9	36	1	mg/Kg	59788		08/13/02 1627	lmr
	Selenium, Solid*	0.32	B		0.29	0.72	1	mg/Kg	59788		08/13/02 1627	lmr
	Silver, Solid*	0.63			0.22	0.36	1	mg/Kg	59788		08/13/02 1627	lmr
	Sodium, Solid*	95			62	72	1	mg/Kg	59797		08/13/02 1827	lmr
	Thallium, Solid*	0.48	U		0.48	0.72	1	mg/Kg	59850		08/14/02 1510	lmr
	Vanadium, Solid*	8.8			0.15	0.36	1	mg/Kg	59797		08/13/02 1827	lmr

* In Description = Dry Wgt.

STI-4112 (0803)

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211202

Date:08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Customer Sample ID: S-6
Date Sampled.....: 08/06/2002
Time Sampled.....: 14:56
Sample Matrix.....: Solid

Laboratory Sample ID: 211202-9
Date Received.....: 08/06/2002
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	250			0.29	1.4	1	mg/Kg	59788		08/13/02 1627	lmr
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP Leach	0.0020	U		0.0020	0.0020	1	mg/L	60278		08/19/02 1417	gok
6010B	Leachable, Metals Analysis (ICAP)											
	Aluminum, TCLP Leach	0.24			0.20	0.20	1	mg/L	60241		08/16/02 2202	tds
	Antimony, TCLP Leach	0.17			0.020	0.10	1	mg/L	60241		08/16/02 2202	tds
	Arsenic, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2202	tds
	Barium, TCLP Leach	1.1			0.010	1.0	1	mg/L	60241		08/16/02 2202	tds
	Beryllium, TCLP Leach	0.004	U		0.004	0.050	1	mg/L	60241		08/16/02 2202	tds
	Cadmium, TCLP Leach	0.003	B		0.002	0.050	1	mg/L	60241		08/16/02 2202	tds
	Calcium, TCLP Leach	93			0.10	5.0	1	mg/L	60241		08/16/02 2202	tds
	Chromium, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2202	tds
	Cobalt, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2202	tds
	Copper, TCLP Leach	0.029	B		0.010	0.050	1	mg/L	60241		08/16/02 2202	tds
	Iron, TCLP Leach	0.27			0.050	0.10	1	mg/L	60241		08/16/02 2202	tds
	Lead, TCLP Leach	4.0			0.0050	0.050	1	mg/L	60241		08/16/02 2202	tds
	Magnesium, TCLP Leach	20			0.10	5.0	1	mg/L	60241		08/16/02 2202	tds
	Manganese, TCLP Leach	0.49			0.010	0.050	1	mg/L	60241		08/16/02 2202	tds
	Nickel, TCLP Leach	0.010	U		0.010	0.050	1	mg/L	60241		08/16/02 2202	tds
	Potassium, TCLP Leach	9.6			0.50	5.0	1	mg/L	60241		08/16/02 2202	tds
	Selenium, TCLP Leach	0.010	U		0.010	0.10	1	mg/L	60241		08/16/02 2202	tds
	Silver, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2202	tds
	Thallium, TCLP Leach	0.010	U		0.010	0.50	1	mg/L	60355		08/19/02 1607	tds
	Vanadium, TCLP Leach	0.005	U		0.005	0.050	1	mg/L	60241		08/16/02 2202	tds
	Zinc, TCLP Leach	0.94			0.020	0.10	1	mg/L	60241		08/16/02 2202	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

STL Chicago

LABORATORY CHRONICLE

Job Number: 211202 Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Lab ID: 211202-1 Client ID: D-1 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Dig. Leachates (ICAP)	1	60039	59733	08/16/2002	0934	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	0610	
7470A	Leachable, Mercury (CVAA)	1	59838	59834 -59733	08/14/2002	1328	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59733	08/16/2002	2031	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59733	08/19/2002	1431	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1605	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1628	
7470	SW846 Dig. Leachates (Hg)	1	59834		08/14/2002	1030	
1311	TCLP Extraction	1	59733		08/13/2002	1700	
9040B	pH (Liquid)	1	59188	59188	08/07/2002	1707	

Lab ID: 211202-2 Client ID: D-3 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1029	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	0745	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1357	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2049	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1438	
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0915	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1605	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1634	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59195	59195	08/07/2002	1726	

Lab ID: 211202-3 Client ID: D-4 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1150	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	0832	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1359	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2115	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1502	
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0920	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1606	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1642	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59199	59199	08/07/2002	1738	

Lab ID: 211202-4 Client ID: D-5 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1500	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	0920	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1401	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2220	
6010B	Leachable, Metals Analysis (ICAP)	1	60365	60039 -59728	08/20/2002	1102	10
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0925	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1606	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1645	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59195	59195	08/07/2002	1729	

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Job Number: 211202 Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Lab ID: 211202-5 Client ID: S-1 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1217	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	1007	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1408	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2121	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1532	
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0930	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1607	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1648	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59195	59195	08/07/2002	1731	

Lab ID: 211202-6 Client ID: S-2 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1244	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	1055	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1410	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2143	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1538	
6010B	Leachable, Metals Analysis (ICAP)	1	60365	60039 -59728	08/20/2002	1127	100
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0935	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1607	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1650	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59199	59199	08/07/2002	1740	

Lab ID: 211202-7 Client ID: S-3 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1311	
1010	Ignitability (Pensky-Martens Closed-Cup)	1	60646	60646	08/22/2002	1142	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1412	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2149	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1555	
9095A	Paint Filter Test	1	59193	59193	08/08/2002	0940	
7.3.3.2/9014	Reactivity, Cyanide	1	59112	59112	08/07/2002	1607	
7.3.4.2/9034	Reactivity, Sulfide	1	59323	59323	08/08/2002	1653	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
1311	TCLP Extraction	1	59728		08/13/2002	1530	
9045C	pH (Soil)	1	59195	59195	08/07/2002	1732	

Lab ID: 211202-8 Client ID: S-4 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1339	
3050B	Acid Digestion: Solids (ICAP)	1	59523		08/12/2002	0955	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1414	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2156	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1601	
7471A	Mercury (CVAA) Solids	1	59256	59189	08/08/2002	1418	5
6010B	Metals Analysis (ICAP Trace)	1	59788	59523	08/13/2002	1506	
6010B	Metals Analysis (ICAP Trace)	1	59788	59523	08/13/2002	1633	5

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LABORATORY CHRONICLE

Job Number: 211202 Date: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNE ATTN: Rick Mehl

Lab ID: 211202-8 Client ID: S-4 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
6010B	Metals Analysis (ICAP Trace)	1	59797	59523	08/13/2002	1733	
6010B	Metals Analysis (ICAP Trace)	1	59850	59523	08/14/2002	1439	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
7470/7471	SW846 Digestion (Hg)	1	59189		08/08/2002	1130	
1311	TCLP Extraction	1	59728		08/13/2002	1530	

Lab ID: 211202-9 Client ID: S-6 Date Recvd: 08/06/2002 Sample Date: 08/06/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	59143		08/07/2002	2040	
3010A	Acid Dig. Leachates (ICAP)	1	60039	59728	08/16/2002	1406	
3050B	Acid Digestion: Solids (ICAP)	1	59523		08/12/2002	0955	
7470A	Leachable, Mercury (CVAA)	1	60278	60277 -59728	08/19/2002	1417	
6010B	Leachable, Metals Analysis (ICAP)	1	60241	60039 -59728	08/16/2002	2202	
6010B	Leachable, Metals Analysis (ICAP)	1	60355	60039 -59728	08/19/2002	1607	
7471A	Mercury (CVAA) Solids	1	59256	59189	08/08/2002	1409	
6010B	Metals Analysis (ICAP Trace)	1	59788	59523	08/13/2002	1627	
6010B	Metals Analysis (ICAP Trace)	1	59788	59523	08/13/2002	1719	5
6010B	Metals Analysis (ICAP Trace)	1	59797	59523	08/13/2002	1827	
6010B	Metals Analysis (ICAP Trace)	1	59850	59523	08/14/2002	1510	
7470	SW846 Dig. Leachates (Hg)	1	60277		08/19/2002	1140	
7470/7471	SW846 Digestion (Hg)	1	59189		08/08/2002	1130	
1311	TCLP Extraction	1	59728		08/13/2002	1530	

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN: Rick Mehl

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M02GSPK001	59523 -002		08/13/2002	1453

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	182.71		200.00	5.04	B 91	%	80-120	
Antimony, Solid	mg/Kg	41.80		50.00	0.90	U 84	%	80-120	
Arsenic, Solid	mg/Kg	9.10		10.00	0.51	U 91	%	80-120	
Barium, Solid	mg/Kg	173.94		200.00	0.16	U 87	%	80-120	
Beryllium, Solid	mg/Kg	4.38		5.00	0.04	U 88	%	80-120	
Cadmium, Solid	mg/Kg	4.38		5.00	0.08	U 88	%	80-120	
Calcium, Solid	mg/Kg	907.60		1000.00	16.92	91	%	80-120	
Chromium, Solid	mg/Kg	18.54		20.00	0.22	U 93	%	80-120	
Cobalt, Solid	mg/Kg	45.46		50.00	0.14	U 91	%	80-120	
Copper, Solid	mg/Kg	22.11		25.00	0.90	U 88	%	80-120	
Iron, Solid	mg/Kg	94.64		100.00	5.18	95	%	80-120	
Lead, Solid	mg/Kg	9.89		10.00	0.61	99	%	80-120	
Magnesium, Solid	mg/Kg	905.37		1000.00	3.32	B 91	%	80-120	
Manganese, Solid	mg/Kg	46.99		50.00	0.13	U 94	%	80-120	
Nickel, Solid	mg/Kg	44.13		50.00	0.25	U 88	%	80-120	
Potassium, Solid	mg/Kg	812.96		1000.00	13.80	U 81	%	80-120	
Selenium, Solid	mg/Kg	9.00		10.00	0.40	U 90	%	80-120	
Silver, Solid	mg/Kg	4.38		5.00	0.31	U 88	%	80-120	
Zinc, Solid	mg/Kg	46.37		50.00	1.15	B 93	%	80-120	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	59523	59523 -001		08/13/2002	1447

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	5.04	B							
Antimony, Solid	mg/Kg	0.90	U							
Arsenic, Solid	mg/Kg	0.51	U							
Barium, Solid	mg/Kg	0.16	U							
Beryllium, Solid	mg/Kg	0.04	U							
Cadmium, Solid	mg/Kg	0.08	U							
Calcium, Solid	mg/Kg	16.92								H
Chromium, Solid	mg/Kg	0.22	U							
Cobalt, Solid	mg/Kg	0.14	U							
Copper, Solid	mg/Kg	0.90	U							
Iron, Solid	mg/Kg	5.18								H
Lead, Solid	mg/Kg	0.61								H
Magnesium, Solid	mg/Kg	3.32	B							
Manganese, Solid	mg/Kg	0.13	U							
Nickel, Solid	mg/Kg	0.25	U							
Potassium, Solid	mg/Kg	13.80	U							
Selenium, Solid	mg/Kg	0.40	U							
Silver, Solid	mg/Kg	0.31	U							
Zinc, Solid	mg/Kg	1.15	B							

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

MD	Method Duplicate		211202-8		08/13/2002	1602

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	7079.86			7702.24	8.4	R	20.0	
Antimony, Solid	mg/Kg	4.86			5.10	0.24	A	1.57	
Arsenic, Solid	mg/Kg	14.57			13.84	5.1	R	20.0	
Barium, Solid	mg/Kg	609.12			639.87	4.9	R	20.0	
Beryllium, Solid	mg/Kg	0.41			0.44	0.03	A	0.31	
Cadmium, Solid	mg/Kg	6.55			6.73	2.6	R	20.0	
Calcium, Solid	mg/Kg	29790.73			28408.70	4.7	R	20.0	
Chromium, Solid	mg/Kg	88.05			105.47	18.0	R	20.0	
Cobalt, Solid	mg/Kg	7.18			7.10	1.1	R	20.0	
Copper, Solid	mg/Kg	694.24			691.70	0.4	R	20.0	
Lead, Solid	mg/Kg	942.81			1144.73	19.3	R	20.0	
Magnesium, Solid	mg/Kg	12979.40			11516.24	11.9	R	20.0	
Manganese, Solid	mg/Kg	770.73			534.62	36.2	R	20.0	*
Nickel, Solid	mg/Kg	78.92			83.42	5.5	R	20.0	
Potassium, Solid	mg/Kg	977.95			946.01	3.3	R	20.0	
Selenium, Solid	mg/Kg	0.72	B		1.17	0.45	A	0.78	
Silver, Solid	mg/Kg	1.98			2.13	7.2	R	20.0	

MD	Method Duplicate		211202-8	5	08/13/2002	1639

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Solid	mg/Kg	55587.32			36203.15	42.2	R	20.0	*
Zinc, Solid	mg/Kg	1703.81			1812.91	6.2	R	20.0	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

MS	Matrix Spike	M02GSPK001	211202-8		08/13/2002	1608

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	8380.49		148.40	7702.24	457	%	75-125	4
Antimony, Solid	mg/Kg	20.50		37.09	5.10	42	%	75-125	N
Arsenic, Solid	mg/Kg	26.68		7.42	13.84	173	%	75-125	N
Barium, Solid	mg/Kg	750.09		148.40	639.87	74	%	75-125	4
Beryllium, Solid	mg/Kg	3.58		3.71	0.44	85	%	75-125	
Cadmium, Solid	mg/Kg	8.68		3.71	6.73	53	%	75-125	N
Calcium, Solid	mg/Kg	29479.85		741.80	28408.70	144	%	75-125	4
Chromium, Solid	mg/Kg	106.03		14.84	105.47	4	%	75-125	4
Cobalt, Solid	mg/Kg	37.75		37.09	7.10	83	%	75-125	
Copper, Solid	mg/Kg	671.32		18.54	691.70	-110	%	75-125	4
Lead, Solid	mg/Kg	956.53		7.42	1144.73	-2537	%	75-125	4
Magnesium, Solid	mg/Kg	12900.57		741.80	11516.24	187	%	75-125	4
Manganese, Solid	mg/Kg	839.82		37.09	534.62	823	%	75-125	4
Nickel, Solid	mg/Kg	108.10		37.09	83.42	67	%	75-125	N
Potassium, Solid	mg/Kg	2081.78		741.80	946.01	153	%	75-125	N
Selenium, Solid	mg/Kg	7.49		7.42	1.17	85	%	75-125	
Silver, Solid	mg/Kg	5.27		3.71	2.13	85	%	75-125	

MS	Matrix Spike	M02GSPK001	211202-8	5	08/13/2002	1645

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Solid	mg/Kg	52198.49		370.90	36203.15	21563	%	75-125	4
Zinc, Solid	mg/Kg	1928.96		185.40	1812.91	313	%	75-125	4

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

MSD	Matrix Spike Duplicate	M02GSPK001	211202-8		08/13/2002 1614

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	8784.13	8380.49	156.00	7702.24	694	%	75-125	4
						41.2	R	20	*
Antimony, Solid	mg/Kg	20.36	20.50	38.99	5.10	39	%	75-125	N
						7.4	R	20	
Arsenic, Solid	mg/Kg	19.57	26.68	7.80	13.84	73	%	75-125	N
						81.3	R	20	*
Barium, Solid	mg/Kg	781.17	750.09	156.00	639.87	91	%	75-125	4
						20.6	R	20	*
Beryllium, Solid	mg/Kg	3.72	3.58	3.90	0.44	84	%	75-125	
						1.2	R	20	
Cadmium, Solid	mg/Kg	9.27	8.68	3.90	6.73	65	%	75-125	N
						20.3	R	20	*
Calcium, Solid	mg/Kg	29108.68	29479.85	779.80	28408.70	90	%	75-125	4
						46.2	R	20	*
Chromium, Solid	mg/Kg	106.12	106.03	15.60	105.47	4	%	75-125	4
						0.0	R	20	
Cobalt, Solid	mg/Kg	39.18	37.75	38.99	7.10	82	%	75-125	
						1.2	R	20	
Copper, Solid	mg/Kg	689.62	671.32	19.49	691.70	-11	%	75-125	4
						-163.6	R	20	
Lead, Solid	mg/Kg	1413.13	956.53	7.80	1144.73	3442	%	75-125	4
						1321.3	R	20	*
Magnesium, Solid	mg/Kg	12663.65	12900.57	779.80	11516.24	147	%	75-125	4
						24.0	R	20	*
Manganese, Solid	mg/Kg	549.87	839.82	38.99	534.62	39	%	75-125	4
						181.9	R	20	*
Nickel, Solid	mg/Kg	116.91	108.10	38.99	83.42	86	%	75-125	
						24.8	R	20	*
Potassium, Solid	mg/Kg	2161.57	2081.78	779.80	946.01	156	%	75-125	N
						1.9	R	20	
Selenium, Solid	mg/Kg	7.41	7.49	7.80	1.17	80	%	75-125	
						6.1	R	20	
Silver, Solid	mg/Kg	5.41	5.27	3.90	2.13	84	%	75-125	
						1.2	R	20	

MSD	Matrix Spike Duplicate	M02GSPK001	211202-8	5	08/13/2002 1652

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Solid	mg/Kg	38368.27	52198.49	389.90	36203.15	2777	%	75-125	4
						154.4	R	20	*
Zinc, Solid	mg/Kg	2018.78	1928.96	194.90	1812.91	528	%	75-125	4
						51.1	R	20	*

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 60108
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 59788

Analyst...: lmr

SD	Serial Dilution		211202-8		08/13/2002	1621

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	1613.01				7702.24	4.7	D	10.0	
Antimony, Solid	mg/Kg	0.90	B			5.10				
Arsenic, Solid	mg/Kg	2.99				13.84				
Barium, Solid	mg/Kg	133.70				639.87	4.5	D	10.0	
Beryllium, Solid	mg/Kg	0.09	B			0.44				
Cadmium, Solid	mg/Kg	1.46				6.73	8.5	D	10.0	
Calcium, Solid	mg/Kg	6332.01				28408.70	11.4	D	10.0	E
Chromium, Solid	mg/Kg	22.86				105.47	8.4	D	10.0	
Cobalt, Solid	mg/Kg	1.57				7.10	10.8	D	10.0	E
Copper, Solid	mg/Kg	138.82				691.70	0.3	D	10.0	
Lead, Solid	mg/Kg	248.98				1144.73	8.7	D	10.0	
Magnesium, Solid	mg/Kg	2450.76				11516.24	6.4	D	10.0	
Manganese, Solid	mg/Kg	117.45				534.62	9.8	D	10.0	
Nickel, Solid	mg/Kg	18.54				83.42	11.1	D	10.0	E
Potassium, Solid	mg/Kg	167.00				946.01	11.7	D	10.0	E
Selenium, Solid	mg/Kg	0.37	B			1.17				
Silver, Solid	mg/Kg	0.43				2.13				
Zinc, Solid	mg/Kg	366.40				1599.63	14.5	D	10.0	E

SD	Serial Dilution		211202-8	5	08/13/2002	1658

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron, Solid	mg/Kg	8103.66			36203.15	11.9	D	10.0	E

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

LCS	Laboratory Control Sample	M02GSPK001	59523 -002		08/13/2002 1720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	893.03		1000.00	86.70	U 89	%	80-120	
Vanadium, Solid	mg/Kg	47.68		50.00	0.21	U 95	%	80-120	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

MB	Method Blank	59523	59523 -001		08/13/2002	1714

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	86.70	U							
Vanadium, Solid	mg/Kg	0.21	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

MD	Method Duplicate		211202-8		08/13/2002	1740

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	212.35			246.65	34.29	A	78.33	
Vanadium, Solid	mg/Kg	27.25			27.30	0.2	R	20.0	

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M02GSPK001	211202-8		08/13/2002	1746

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1056.34		741.80	246.65	109	%	75-125	
Vanadium, Solid	mg/Kg	61.41		37.09	27.30	92	%	75-125	

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

MSD	Matrix Spike Duplicate	M026SPKDD1	211202-8		08/13/2002	1752

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1103.21	1056.34	779.80	246.65	110	%	75-125	
						0.9	R	20	
Vanadium, Solid	mg/Kg	61.05	61.41	38.99	27.30	87	%	75-125	
						5.6	R	20	

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP5
Batch.....: 59797

Analyst...: lmr

SD	Serial Dilution		211202-8		08/13/2002	1821

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	65.39	U			246.65				
Vanadium, Solid	mg/Kg	5.68				27.30	4.0	D	10.0	

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

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Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

LCS	Laboratory Control Sample	M02GSPK001	59523 -002		08/14/2002	1410

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	9.86		10.00	0.66 U	99	%	80-120	

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

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Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

MB	Method Blank	59523	59523-001		08/14/2002	1404

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	0.66	U							

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

MQ	Method Duplicate		211202-8		08/14/2002	1445

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	0.52	U		0.63	B 0.43	A	0.78	

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

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CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

MS	Matrix Spike	M02GSPK001	211202-8		08/14/2002	1452

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	6.09		7.42	0.63	B	82	%	75-125	

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

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Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

MSD	Matrix Spike Duplicate	M02GSPK001	211202-8		08/14/2002	1458

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	6.84	6.09	7.80	0.63	B 88	%	75-125	
						7.1	R	20	

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

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Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 59850

Analyst...: lmr

SD	Serial Dilution		211202-B		08/14/2002	1504

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Thallium, Solid	mg/Kg	0.50	U			0.63	B				

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EBT	Extraction Blank 1	T-692	60039 -004		08/16/2002	2042

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	0.20000 U							
Antimony, TCLP Leach	mg/L	0.02000 U							
Arsenic, TCLP Leach	mg/L	0.01000 U							
Barium, TCLP Leach	mg/L	0.43406 B							
Beryllium, TCLP Leach	mg/L	0.00400 U							
Cadmium, TCLP Leach	mg/L	0.00200 U							
Calcium, TCLP Leach	mg/L	0.15218 B							
Chromium, TCLP Leach	mg/L	0.01000 U							
Cobalt, TCLP Leach	mg/L	0.00500 U							
Copper, TCLP Leach	mg/L	0.01000 U							
Iron, TCLP Leach	mg/L	0.05000 U							
Lead, TCLP Leach	mg/L	0.00500 U							
Magnesium, TCLP Leach	mg/L	0.10000 U							
Manganese, TCLP Leach	mg/L	0.01000 U							
Nickel, TCLP Leach	mg/L	0.01066 B							
Potassium, TCLP Leach	mg/L	0.73533 B							
Selenium, TCLP Leach	mg/L	0.01000 U							
Silver, TCLP Leach	mg/L	0.00500 U							
Vanadium, TCLP Leach	mg/L	0.00500 U							
Zinc, TCLP Leach	mg/L	0.06604 B							

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

EB2	Extraction Blank 2		60039 -014		08/16/2002	2213

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	0.20000 U							
Antimony, TCLP Leach	mg/L	0.02000 U							
Arsenic, TCLP Leach	mg/L	0.01000 U							
Barium, TCLP Leach	mg/L	0.30865 B							
Beryllium, TCLP Leach	mg/L	0.00400 U							
Cadmium, TCLP Leach	mg/L	0.00200 U							
Calcium, TCLP Leach	mg/L	0.16990 B							
Chromium, TCLP Leach	mg/L	0.01000 U							
Cobalt, TCLP Leach	mg/L	0.00500 U							
Copper, TCLP Leach	mg/L	0.01000 U							
Iron, TCLP Leach	mg/L	0.05000 U							
Lead, TCLP Leach	mg/L	0.00500 U							
Magnesium, TCLP Leach	mg/L	0.10000 U							
Manganese, TCLP Leach	mg/L	0.01000 U							
Nickel, TCLP Leach	mg/L	0.01000 U							
Potassium, TCLP Leach	mg/L	0.50000 U							
Selenium, TCLP Leach	mg/L	0.01000 U							
Silver, TCLP Leach	mg/L	0.00500 U							
Vanadium, TCLP Leach	mg/L	0.00500 U							
Zinc, TCLP Leach	mg/L	0.03494 B							

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START 76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	60039	60039 -001		08/16/2002	2018

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	0.20000 U							
Antimony, TCLP Leach	mg/L	0.02000 U							
Arsenic, TCLP Leach	mg/L	0.01000 U							
Barium, TCLP Leach	mg/L	0.11077 B							
Beryllium, TCLP Leach	mg/L	0.00400 U							
Cadmium, TCLP Leach	mg/L	0.00200 U							
Calcium, TCLP Leach	mg/L	0.13267 B							
Chromium, TCLP Leach	mg/L	0.01000 U							
Cobalt, TCLP Leach	mg/L	0.00500 U							
Copper, TCLP Leach	mg/L	0.01000 U							
Iron, TCLP Leach	mg/L	0.05000 U							
Lead, TCLP Leach	mg/L	0.00500 U							
Magnesium, TCLP Leach	mg/L	0.10000 U							
Manganese, TCLP Leach	mg/L	0.01000 U							
Nickel, TCLP Leach	mg/L	0.01000 U							
Potassium, TCLP Leach	mg/L	0.50000 U							
Selenium, TCLP Leach	mg/L	0.01000 U							
Silver, TCLP Leach	mg/L	0.00500 U							
Vanadium, TCLP Leach	mg/L	0.00500 U							
Zinc, TCLP Leach	mg/L	0.03541 B							

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

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Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

LCS	Laboratory Control Sample	M02GSPK001	60039-002		08/16/2002	2025

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	1.95124		2.00000	0.20000 U	98	%	80-120	
Antimony, TCLP Leach	mg/L	0.47795		0.50000	0.02000 U	96	%	80-120	
Arsenic, TCLP Leach	mg/L	0.09655 B		0.10000	0.01000 U	97	%	80-120	
Barium, TCLP Leach	mg/L	1.90305		2.00000	0.11077 B	95	%	80-120	
Beryllium, TCLP Leach	mg/L	0.04837 B		0.05000	0.00400 U	97	%	80-120	
Cadmium, TCLP Leach	mg/L	0.04806 B		0.05000	0.00200 U	96	%	80-120	
Calcium, TCLP Leach	mg/L	9.73554		10.00000	0.13267 B	97	%	80-120	
Chromium, TCLP Leach	mg/L	0.19923		0.20000	0.01000 U	100	%	80-120	
Cobalt, TCLP Leach	mg/L	0.48816		0.50000	0.00500 U	98	%	80-120	
Copper, TCLP Leach	mg/L	0.25556		0.25000	0.01000 U	102	%	80-120	
Iron, TCLP Leach	mg/L	1.02337		1.00000	0.05000 U	102	%	80-120	
Lead, TCLP Leach	mg/L	0.10354		0.10000	0.00500 U	104	%	80-120	
Magnesium, TCLP Leach	mg/L	9.67754		10.00000	0.10000 U	97	%	80-120	
Manganese, TCLP Leach	mg/L	0.50461		0.50000	0.01000 U	101	%	80-120	
Nickel, TCLP Leach	mg/L	0.48795		0.50000	0.01000 U	98	%	80-120	
Potassium, TCLP Leach	mg/L	9.34498		10.00000	0.50000 U	93	%	80-120	
Selenium, TCLP Leach	mg/L	0.09435 B		0.10000	0.01000 U	94	%	80-120	
Silver, TCLP Leach	mg/L	0.04895 B		0.05000	0.00500 U	98	%	80-120	
Vanadium, TCLP Leach	mg/L	0.50377		0.50000	0.00500 U	101	%	80-120	
Zinc, TCLP Leach	mg/L	0.48387		0.50000	0.03541 B	97	%	80-120	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

MD	Method Duplicate		211202-2		08/16/2002	2055

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	0.20000 U			0.20000 U				
Antimony, TCLP Leach	mg/L	0.02000 U			0.02000 U				
Arsenic, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Barium, TCLP Leach	mg/L	0.37760 B			0.38413 B	0.00653	A	1.00000	
Beryllium, TCLP Leach	mg/L	0.00400 U			0.00400 U				
Cadmium, TCLP Leach	mg/L	0.00200 U			0.00200 U	0.00005	A	0.05000	
Calcium, TCLP Leach	mg/L	22.51144			22.88069	0.36925	A	5.00000	
Chromium, TCLP Leach	mg/L	0.01000 U			0.01000 U	0.00075	A	0.05000	
Cobalt, TCLP Leach	mg/L	0.00500 U			0.00500 U	0.00011	A	0.05000	
Copper, TCLP Leach	mg/L	0.01000 U			0.01000 U	0.00047	A	0.05000	
Iron, TCLP Leach	mg/L	0.06502 B			0.05642 B	0.00860	A	0.10000	
Lead, TCLP Leach	mg/L	0.00500 U			0.00500 U	0.00093	A	0.05000	
Magnesium, TCLP Leach	mg/L	4.36163 B			4.44097 B	0.07934	A	5.00000	
Manganese, TCLP Leach	mg/L	0.55128			0.55848	1.3	R	20.0	
Nickel, TCLP Leach	mg/L	0.01000 U			0.01000 U	0.00018	A	0.05000	
Potassium, TCLP Leach	mg/L	6.14162			6.28178	0.14016	A	5.00000	
Selenium, TCLP Leach	mg/L	0.01000 U			0.01000 U	0.00040	A	0.10000	
Silver, TCLP Leach	mg/L	0.00500 U			0.00500 U	0.00001	A	0.05000	
Vanadium, TCLP Leach	mg/L	0.00500 U			0.00500 U	0.00081	A	0.05000	
Zinc, TCLP Leach	mg/L	0.09227 B			0.09355 B	0.00128	A	0.10000	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

MS	Matrix Spike	M02GSPK001	211202-2		08/16/2002 2102

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	2.27719		2.00000	0.20000 U	114	%	50-150	
Antimony, TCLP Leach	mg/L	0.44838		0.50000	0.02000 U	90	%	50-150	
Arsenic, TCLP Leach	mg/L	0.09011	B	0.10000	0.01000 U	90	%	50-150	
Barium, TCLP Leach	mg/L	2.33408		2.00000	0.38413 B	117	%	50-150	
Beryllium, TCLP Leach	mg/L	0.04363	B	0.05000	0.00400 U	87	%	50-150	
Cadmium, TCLP Leach	mg/L	0.04346	B	0.05000	0.00200 U	87	%	50-150	
Calcium, TCLP Leach	mg/L	31.66163		10.00000	22.88069	88	%	50-150	
Chromium, TCLP Leach	mg/L	0.18801		0.20000	0.01000 U	94	%	50-150	
Cobalt, TCLP Leach	mg/L	0.45668		0.50000	0.00500 U	91	%	50-150	
Copper, TCLP Leach	mg/L	0.27195		0.25000	0.01000 U	109	%	50-150	
Iron, TCLP Leach	mg/L	0.97991		1.00000	0.05642 B	98	%	50-150	
Lead, TCLP Leach	mg/L	0.09739		0.10000	0.00500 U	97	%	50-150	
Magnesium, TCLP Leach	mg/L	13.25410		10.00000	4.44097 B	133	%	50-150	
Manganese, TCLP Leach	mg/L	1.02268		0.50000	0.55848	93	%	50-150	
Nickel, TCLP Leach	mg/L	0.44055		0.50000	0.01000 U	88	%	50-150	
Potassium, TCLP Leach	mg/L	24.16443		10.00000	6.28178	179	%	50-150	N
Selenium, TCLP Leach	mg/L	0.09065	B	0.10000	0.01000 U	91	%	50-150	
Silver, TCLP Leach	mg/L	0.05086		0.05000	0.00500 U	102	%	50-150	
Vanadium, TCLP Leach	mg/L	0.47263		0.50000	0.00500 U	95	%	50-150	
Zinc, TCLP Leach	mg/L	0.52924		0.50000	0.09355 B	106	%	50-150	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP5
Batch.....: 60241

Analyst...: tds

SD	Serial Dilution		211202-2		08/16/2002	2108

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, TCLP Leach	mg/L	0.20000 U			0.20000 U				
Antimony, TCLP Leach	mg/L	0.02000 U			0.02000 U				
Arsenic, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Barium, TCLP Leach	mg/L	0.07543 B			0.38413 B				
Beryllium, TCLP Leach	mg/L	0.00400 U			0.00400 U				
Cadmium, TCLP Leach	mg/L	0.00200 U			0.00200 U				
Calcium, TCLP Leach	mg/L	4.74923 B			22.88069	3.8	D	10.0	
Chromium, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Cobalt, TCLP Leach	mg/L	0.00500 U			0.00500 U				
Copper, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Iron, TCLP Leach	mg/L	0.05000 U			0.05642 B				
Lead, TCLP Leach	mg/L	0.00500 U			0.00500 U				
Magnesium, TCLP Leach	mg/L	0.93208 B			4.44097 B				
Manganese, TCLP Leach	mg/L	0.11446			0.55848	2.5	D	10.0	
Nickel, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Potassium, TCLP Leach	mg/L	1.03609 B			6.28178	17.5	D	10.0	E
Selenium, TCLP Leach	mg/L	0.01000 U			0.01000 U				
Silver, TCLP Leach	mg/L	0.00500 U			0.00500 U				
Vanadium, TCLP Leach	mg/L	0.00500 U			0.00500 U				
Zinc, TCLP Leach	mg/L	0.02061 B			0.09355 B				

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M02GSPK001	60039 -002		08/19/2002	1425

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP4
Batch.....: 60355

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, TCLP Leach	mg/L	0.09326 B		0.10000	0.01000 U	93	%	80-120	

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP4
Batch.....: 60355

Analyst...: tds

MD	Method Duplicate		211202-2		08/19/2002	1444

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, TCLP Leach	mg/L	0.01000 U			0.01000 U				

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP4
Batch.....: 60355

Analyst...: tds

MS	Matrix Spike	M02GSPK001	211202-2		08/19/2002	1450

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, TCLP Leach	mg/L	0.09681 B		0.10000	0.01000 U	97	%	50-150	

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP4
Batch.....: 60355

Analyst...: tds

SD	Serial Dilution		211202-2		08/19/2002	1456

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, TCLP Leach	mg/L	0.01000 U			0.01000 U				

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START 76TH AND PARNELL ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Leachable, Metals Analysis (ICAP)

Equipment Code....: ICP3
Batch.....: 60365

Analyst...: tds

EB2	Extraction Blank 2		60039 -014		08/20/2002	1056

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Thallium, TCLP Leach	mg/L	0.01000 U							

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN: Rick Mehl

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Moisture
Batch.....: 59143
Equipment Code.....:
Analyst....: pfk
Test Code.: %MOIST

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	59143-001		%	100.0000								08/07/2002	2040

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids
Batch.....: 59143
Equipment Code.....:
Analyst....: pfk
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	59143-001		%	0.1000 U								08/07/2002	2040

Test Method.....: 7.3.3.2/9014
Method Description.: Reactivity, Cyanide
Parameter.....: Reactivity, Cyanide
Batch.....: 59112
Equipment Code.....: SPEC1
Analyst....: rhm
Test Code.: REACCN

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	59112 -004		mg/L	0.01000 U								08/07/2002	1603
LCS	59112 -005	I02FSTCN2	mg/L	0.02950		0.10000	0.01000 U	30		%	0-66	08/07/2002	1603

Test Method.....: 1010
Method Description.: Ignitability (Pensky Martens Closed-Cup)
Parameter.....: Ignitability (Flashpoint)
Batch.....: 60646
Equipment Code.....:
Analyst....: lmk
Test Code.: IGNPMC

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MD	211202-1		degrees F	>200			>200					08/22/2002	0657

Test Method.....: 9045C
Method Description.: pH (Soil)
Parameter.....: Corrosivity (pH Solid)
Batch.....: 59195
Equipment Code.....:
Analyst....: nrp
Test Code.: CORSOL

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MDPH	211202-2		pH Units	7.36000			7.34000	0.02000		A	0.20000	08/07/2002	1728

Test Method.....: 9045C
Method Description.: pH (Soil)
Parameter.....: Corrosivity (pH Solid)
Batch.....: 59199
Equipment Code.....:
Analyst....: nrp
Test Code.: CORSOL

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MDPH	211202-3		pH Units	6.29000						A	0.20000	08/07/2002	1739

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

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QUALITY CONTROL RESULTS

Job Number.: 211202 | Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. | PROJECT: START-76TH AND PARNELL | ATTN: Rick Mehl

Test Method.....: 9040B | Batch.....: 59188 | Analyst...: nrp
Method Description.: pH (Liquid) | Equipment Code....: | Test Code.: CORLIQ
Parameter.....: Corrosivity (pH-Liquids)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MDPH	211202-1		pH Units	7.42000			7.46000					08/07/2002	1709

Test Method.....: 9045C | Batch.....: 59199 | Analyst...: nrp
Method Description.: pH (Soil) | Equipment Code....: | Test Code.: TEMPA
Parameter.....: Temperature at Analysis

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MDPH	211202-3		pH Units	20.10000								08/07/2002	1739

Test Method.....: 9040B | Batch.....: 59188 | Analyst...: nrp
Method Description.: pH (Liquid) | Equipment Code....: | Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	59188 -002	I02CPH7B	pH Units	7.06000		7.00000		0.06000		A	0.20000	08/07/2002	1701
LCDP	59188 -003	I02CPH7B	pH Units	7.05000		7.00000		0.05000		A	0.20000	08/07/2002	1703
MDPH	211202-1		pH Units	7.42000			7.46000	0.04000		A	0.20000	08/07/2002	1709

Test Method.....: 9045C | Batch.....: 59195 | Analyst...: nrp
Method Description.: pH (Soil) | Equipment Code....: | Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	59195 -002	I02CPH7B	pH Units	7.06000		7.00000		0.06000		A	0.20000	08/07/2002	1701
LCDP	59195 -003	I02CPH7B	pH Units	7.05000		7.00000		0.05000		A	0.20000	08/07/2002	1703

Test Method.....: 9045C | Batch.....: 59199 | Analyst...: nrp
Method Description.: pH (Soil) | Equipment Code....: | Test Code.: PH
Parameter.....: pH

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCSP	59199 -002	I02CPH7B	pH Units	6.96000		7.00000		0.04000		A	0.20000	08/07/2002	1736
LCDP	59199 -003	I02CPH7B	pH Units	6.96000		7.00000		0.04000		A	0.20000	08/07/2002	1737

Test Method.....: 7.3.4.2/9034 | Batch.....: 59323 | Analyst...: nrp
Method Description.: Reactivity, Sulfide | Equipment Code....: | Test Code.: REACS
Parameter.....: Reactivity, Sulfide

QC	Lab ID	Reagent	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	59323 -001		mg/Kg	133.00	U										08/08/2002	1620
LCS	59323 -002	I02FSTSF1	mg/Kg	292.02				424.60			69		%	0-200	08/08/2002	1623
MS	211202-2	I02FSTSF1	mg/Kg	124.89	U			398.70	124.89	U	11		%	0-200	08/08/2002	1637
MSD	211202-2	I02FSTSF1	mg/Kg	124.36	U	124.36	U	397.20	124.36	U	16		%	0-200	08/08/2002	1639
											37		R	200		

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

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QUALITY CONTROL RESULTS

Job Number.: 211202

Report Date.: 08/22/2002

CUSTOMER: Weston Solutions, Inc. PROJECT: START-76TH AND PARNELL ATTN: Rick Mehl

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury
Batch.....: 59256
Equipment Code....: HG4
Analyst....: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	59189 -007		mg/Kg	0.01	U									08/08/2002	1317
LCS	59189 -008	MO2ESTK010	mg/Kg	0.33			0.33	0.01	U	99		%	80-120	08/08/2002	1319

Test Method.....: 7470A
Method Description.: Leachable, Mercury (CVAA)
Parameter.....: Mercury
Batch.....: 59838
Equipment Code....: HG4
Analyst....: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	59834 -007		ug/L	0.20	U									08/14/2002	1246
LCS	59834 -008	MO2ESTK010	ug/L	2.02			2.00	0.20	U	101		%	80-120	08/14/2002	1248
EB1	59834 -009	487	mg/L	0.00200	U									08/14/2002	1259
EB3	59834 -013	489	mg/L	0.00200	U									08/14/2002	1313
EB1	59834 -021	T 491	mg/L	0.00200	U									08/14/2002	1337
EB1	59834 -024	491	mg/L	0.00200	U									08/14/2002	1344

Test Method.....: 7470A
Method Description.: Leachable, Mercury (CVAA)
Parameter.....: Mercury
Batch.....: 60278
Equipment Code....: HG4
Analyst....: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	60277 -007		ug/L	0.20	U									08/19/2002	1348
LCS	60277 -008	MO2ESTK010	ug/L	1.97			2.00	0.20	U	99		%	80-120	08/19/2002	1350
EB1	60277 -009	492	mg/L	0.00200	U									08/19/2002	1352
EB2	60277 -010	492	mg/L	0.00200	U									08/19/2002	1354

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

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 08/22/2002

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) Arizona Environmental Laboratory License number AZ0603.
6) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen 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 on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

` ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
` EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 08/22/2002

P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor

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QUALITY ASSURANCE METHODS

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Report Date: 08/22/2002

RT	Retention Time
RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

LCD	Laboratory Control Sample Duplicate	001JWLPCBB	37859 -003		11/13/2001	1136

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	4.052	4.172	5.001	0.150 U	81	%	61-112	
						3	R	15	
Aroclor 1260	ug/L	3.076	3.930	5.010	0.061 U	61	%	61-104	
						24	R	17	*

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

LCS	Laboratory Control Sample	001JWLPCBB	37580 -002		11/11/2001	1942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	3.532		5.001	0.150 U	71	%	61-112	
Aroclor 1260	ug/L	3.172		5.010	0.061 U	63	%	61-104	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

LCS	Laboratory Control Sample	001JWLPCBB	37859 -002		11/13/2001	1104

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	4.172		5.001	0.150 U	83	%	61-112	
Aroclor 1260	ug/L	3.930		5.010	0.061 U	78	%	61-104	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

MB	Method Blank		37580 -001			11/11/2001 1910

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	0.150	U							
Aroclor 1221	ug/L	0.190	U							
Aroclor 1232	ug/L	0.120	U							
Aroclor 1242	ug/L	0.190	U							
Aroclor 1248	ug/L	0.200	U							
Aroclor 1254	ug/L	0.150	U							
Aroclor 1260	ug/L	0.061	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37859 -001		11/13/2001	1031

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	0.150	U							
Aroclor 1221	ug/L	0.190	U							
Aroclor 1232	ug/L	0.120	U							
Aroclor 1242	ug/L	0.190	U							
Aroclor 1248	ug/L	0.200	U							
Aroclor 1254	ug/L	0.150	U							
Aroclor 1260	ug/L	0.061	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

MS	Matrix Spike	001JWLPCB8	206510-4		11/11/2001	2152

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	2.611		4.718	0.142 U	55	%	61-112	*
Aroclor 1260	ug/L	2.469		4.726	0.058 U	52	%	61-104	*

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomejko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 37877

Analyst...: mgk

MSD	Matrix Spike Duplicate	001JWLPCBB	206510-4		11/11/2001	2225

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	3.081	2.611	4.718	0.142 U	65	%	61-112	
						17	R	15	*
Aroclor 1260	ug/L	2.820	2.469	4.726	0.058 U	60	%	61-104	*
						14	R	17	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Suzanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 38111

Analyst...: dpk

LCS	Laboratory Control Sample	001JWLBNAD	37717 -002		11/12/2001	1416

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	54.587		100.000	3.800 U	55	%	29-100	
Bis(2-chloroethyl)ether	ug/L	60.937		100.000	4.800 U	61	%	42-100	
1,3-Dichlorobenzene	ug/L	63.354		100.000	5.700 U	63	%	38-100	
1,4-Dichlorobenzene	ug/L	64.719		100.000	5.800 U	65	%	38-100	
1,2-Dichlorobenzene	ug/L	64.156		100.000	5.400 U	64	%	36-100	
Benzyl alcohol	ug/L	68.353		100.000	4.700 U	68	%	41-105	
2-Methylphenol (o-cresol)	ug/L	71.760		100.000	5.000 U	72	%	37-100	
2,2-oxybis (1-chloropropane)	ug/L	76.209		100.000	4.200 U	76	%	35-107	
n-Nitroso-di-n-propylamine	ug/L	61.290		100.000	3.900 U	61	%	41-107	
Hexachloroethane	ug/L	54.537		100.000	8.000 U	55	%	34-100	
4-Methylphenol (m/p-cresol)	ug/L	69.823		100.000	3.800 U	70	%	35-106	
2-Chlorophenol	ug/L	78.612		100.000	4.400 U	79	%	43-100	
Nitrobenzene	ug/L	53.345		100.000	3.900 U	53	%	41-105	
Bis(2-chloroethoxy)methane	ug/L	61.687		100.000	4.800 U	62	%	48-106	
1,2,4-Trichlorobenzene	ug/L	54.373		100.000	5.700 U	54	%	45-100	
Benzoic acid	ug/L	57.826		100.000	6.500 U	58	%	27-111	
Isophorone	ug/L	51.399		100.000	3.300 U	51	%	47-100	
2,4-Dimethylphenol	ug/L	56.078		100.000	4.600 U	56	%	35-100	
Hexachlorobutadiene	ug/L	51.554		100.000	8.400 U	52	%	41-100	
Naphthalene	ug/L	70.134		100.000	4.300 U	70	%	51-100	
2,4-Dichlorophenol	ug/L	65.099		100.000	4.300 U	65	%	52-100	
4-Chloroaniline	ug/L	51.344		100.000	2.700 U	51	%	38-114	
2,4,6-Trichlorophenol	ug/L	67.894		100.000	2.800 U	68	%	51-101	
2,4,5-Trichlorophenol	ug/L	79.540		100.000	3.600 U	80	%	54-107	
Hexachlorocyclopentadiene	ug/L	15.646		100.000	1.600 U	16	%	10-100	
2-Methylnaphthalene	ug/L	66.021		100.000	4.300 U	66	%	48-119	
2-Nitroaniline	ug/L	71.208		100.000	4.000 U	71	%	50-112	
2-Chloronaphthalene	ug/L	67.850		100.000	3.600 U	68	%	53-100	
4-Chloro-3-methylphenol	ug/L	70.325		100.000	3.800 U	70	%	50-105	
2,6-Dinitrotoluene	ug/L	81.778		100.000	3.000 U	82	%	57-110	
2-Nitrophenol	ug/L	74.624		100.000	4.300 U	75	%	48-100	
3-Nitroaniline	ug/L	84.363		100.000	3.500 U	84	%	50-109	
Dimethyl phthalate	ug/L	75.634		100.000	3.100 U	76	%	58-104	
2,4-Dinitrophenol	ug/L	89.455		100.000	12.000 U	89	%	40-125	
Acenaphthylene	ug/L	74.884		100.000	3.200 U	75	%	56-102	
2,4-Dinitrotoluene	ug/L	85.299		100.000	3.100 U	85	%	56-115	
Acenaphthene	ug/L	74.560		100.000	3.100 U	75	%	58-102	
Dibenzofuran	ug/L	70.849		100.000	3.400 U	71	%	57-100	
4-Nitrophenol	ug/L	66.977		100.000	7.100 U	67	%	30-116	
Fluorene	ug/L	71.266		100.000	4.000 U	71	%	56-104	
4-Nitroaniline	ug/L	100.137		100.000	6.100 U	100	%	40-124	
4-Bromophenyl phenyl ether	ug/L	72.622		100.000	2.900 U	73	%	54-112	
Hexachlorobenzene	ug/L	70.391		100.000	2.800 U	70	%	50-113	
Diethyl phthalate	ug/L	79.203		100.000	4.100 U	79	%	55-107	
4-Chlorophenyl phenyl ether	ug/L	76.900		100.000	3.600 U	77	%	58-103	
Pentachlorophenol	ug/L	73.274		100.000	4.600 U	73	%	50-112	
4,6-Dinitro-2-methylphenol	ug/L	101.514		100.000	6.400 U	102	%	56-125	
Phenanthrene	ug/L	70.707		100.000	2.500 U	71	%	57-105	
Anthracene	ug/L	69.021		100.000	2.500 U	69	%	56-106	
Di-n-butyl phthalate	ug/L	86.571		100.000	3.500 U	87	%	55-113	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	001JWLBNAD	37717 -002		11/12/2001	1416

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Fluoranthene	ug/L	82.352		100.000	4.500 U	82	%	51-111	
Pyrene	ug/L	69.152		100.000	3.900 U	69	%	43-118	
Butyl benzyl phthalate	ug/L	77.411		100.000	5.000 U	77	%	52-111	
Benzo(a)anthracene	ug/L	72.934		100.000	2.500 U	73	%	52-110	
Chrysene	ug/L	74.507		100.000	3.000 U	75	%	53-105	
3,3-Dichlorobenzidine	ug/L	56.841		100.000	4.400 U	57	%	30-104	
Bis(2-ethylhexyl)phthalate	ug/L	77.260		100.000	6.000 U	77	%	54-113	
Di-n-octyl phthalate	ug/L	83.530		100.000	4.300 U	84	%	31-152	
Benzo(b)fluoranthene	ug/L	73.640		100.000	3.600 U	74	%	54-129	
Benzo(k)fluoranthene	ug/L	60.730		100.000	3.700 U	61	%	48-126	
Benzo(a)pyrene	ug/L	66.326		100.000	3.700 U	66	%	40-129	
Indeno(1,2,3-cd)pyrene	ug/L	71.527		100.000	5.000 U	72	%	41-140	
Dibenzo(a,h)anthracene	ug/L	71.094		100.000	3.600 U	71	%	42-141	
Benzo(ghi)perylene	ug/L	70.391		100.000	4.300 U	70	%	38-144	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37717 -001		11/12/2001	1346

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 38111

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	3.800	U							
Bis(2-chloroethyl)ether	ug/L	4.800	U							
1,3-Dichlorobenzene	ug/L	5.700	U							
1,4-Dichlorobenzene	ug/L	5.800	U							
1,2-Dichlorobenzene	ug/L	5.400	U							
Benzyl alcohol	ug/L	4.700	U							
2-Methylphenol (o-cresol)	ug/L	5.000	U							
2,2-oxybis (1-chloropropane)	ug/L	4.200	U							
n-Nitroso-di-n-propylamine	ug/L	3.900	U							
Hexachloroethane	ug/L	8.000	U							
4-Methylphenol (m/p-cresol)	ug/L	3.800	U							
2-Chlorophenol	ug/L	4.400	U							
Nitrobenzene	ug/L	3.900	U							
Bis(2-chloroethoxy)methane	ug/L	4.800	U							
1,2,4-Trichlorobenzene	ug/L	5.700	U							
Benzoic acid	ug/L	6.500	U							
Isophorone	ug/L	3.300	U							
2,4-Dimethylphenol	ug/L	4.600	U							
Hexachlorobutadiene	ug/L	8.400	U							
Naphthalene	ug/L	4.300	U							
2,4-Dichlorophenol	ug/L	4.300	U							
4-Chloroaniline	ug/L	2.700	U							
2,4,6-Trichlorophenol	ug/L	2.800	U							
2,4,5-Trichlorophenol	ug/L	3.600	U							
Hexachlorocyclopentadiene	ug/L	1.600	U							
2-Methylnaphthalene	ug/L	4.300	U							
2-Nitroaniline	ug/L	4.000	U							
2-Chloronaphthalene	ug/L	3.600	U							
4-Chloro-3-methylphenol	ug/L	3.800	U							
2,6-Dinitrotoluene	ug/L	3.000	U							
2-Nitrophenol	ug/L	4.300	U							
3-Nitroaniline	ug/L	3.500	U							
Dimethyl phthalate	ug/L	3.100	U							
2,4-Dinitrophenol	ug/L	12.000	U							
Acenaphthylene	ug/L	3.200	U							
2,4-Dinitrotoluene	ug/L	3.100	U							
Acenaphthene	ug/L	3.100	U							
Dibenzofuran	ug/L	3.400	U							
4-Nitrophenol	ug/L	7.100	U							
Fluorene	ug/L	4.000	U							
4-Nitroaniline	ug/L	6.100	U							
4-Bromophenyl phenyl ether	ug/L	2.900	U							
Hexachlorobenzene	ug/L	2.800	U							
Diethyl phthalate	ug/L	4.100	U							
4-Chlorophenyl phenyl ether	ug/L	3.600	U							
Pentachlorophenol	ug/L	4.600	U							
4,6-Dinitro-2-methylphenol	ug/L	6.400	U							
Phenanthrene	ug/L	2.500	U							
Anthracene	ug/L	2.500	U							
Di-n-butyl phthalate	ug/L	3.500	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37717 -001		11/12/2001	1346

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Fluoranthene	ug/L	4.500	U							
Pyrene	ug/L	3.900	U							
Butyl benzyl phthalate	ug/L	5.000	U							
Benzo(a)anthracene	ug/L	2.500	U							
Chrysene	ug/L	3.000	U							
3,3-Dichlorobenzidine	ug/L	4.400	U							
Bis(2-ethylhexyl)phthalate	ug/L	6.000	U							
Di-n-octyl phthalate	ug/L	4.300	U							
Benzo(b)fluoranthene	ug/L	3.600	U							
Benzo(k)fluoranthene	ug/L	3.700	U							
Benzo(a)pyrene	ug/L	3.700	U							
Indeno(1,2,3-cd)pyrene	ug/L	5.000	U							
Dibenzo(a,h)anthracene	ug/L	3.600	U							
Benzo(ghi)perylene	ug/L	4.300	U							
Methyl methane sulfonate	ug/L	8.000	U							
2-Picoline	ug/L	9.600	U							
Ethyl methane sulfonate	ug/L	9.000	U							
Acetophenone	ug/L	8.700	U							
o-Toluidine	ug/L	9.500	U							
n-Nitrosopiperidine	ug/L	6.300	U							
Hexachloropropene	ug/L	8.600	U							
1,2,4,5-Tetrachlorobenzene	ug/L	7.400	U							
Isosafrole	ug/L	6.100	U							
m-Dinitrobenzene	ug/L	10.000	U							
2,3,4,6-Tetrachlorophenol	ug/L	9.700	U							
5-Nitro-o-toluidine	ug/L	7.800	U							
Phenacetin	ug/L	11.000	U							
Pentachloronitrobenzene	ug/L	6.300	U							
7,12-Dimethylbenz(a)anthracene	ug/L	11.000	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 38111

Analyst...: dpk

MS	Matrix Spike	001JWLBNAD	206510-4		11/12/2001 1646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	49.602		95.240	3.619	U 52	%	29-100	
Bis(2-chloroethyl)ether	ug/L	53.776		95.240	4.572	U 56	%	42-100	
1,3-Dichlorobenzene	ug/L	56.695		95.240	5.429	U 60	%	38-100	
1,4-Dichlorobenzene	ug/L	57.912		95.240	5.524	U 61	%	38-100	
1,2-Dichlorobenzene	ug/L	58.150		95.240	5.143	U 61	%	36-100	
Benzyl alcohol	ug/L	63.849		95.240	4.476	U 67	%	41-105	
2-Methylphenol (o-cresol)	ug/L	60.485		95.240	4.762	U 64	%	37-100	
2,2-oxybis (1-chloropropane)	ug/L	68.152		95.240	4.000	U 72	%	35-107	
n-Nitroso-di-n-propylamine	ug/L	57.248		95.240	3.714	U 60	%	41-107	
Hexachloroethane	ug/L	47.201		95.240	7.619	U 50	%	34-100	
4-Methylphenol (m/p-cresol)	ug/L	59.073		95.240	3.619	U 62	%	35-106	
2-Chlorophenol	ug/L	66.974		95.240	4.191	U 70	%	43-100	
Nitrobenzene	ug/L	48.308		95.240	3.714	U 51	%	41-105	
Bis(2-chloroethoxy)methane	ug/L	55.069		95.240	4.572	U 58	%	48-106	
1,2,4-Trichlorobenzene	ug/L	47.695		95.240	5.429	U 50	%	45-100	
Benzoic acid	ug/L	56.510		95.240	6.191	U 59	%	27-111	
Isophorone	ug/L	46.365		95.240	3.143	U 49	%	47-100	
2,4-Dimethylphenol	ug/L	40.084		95.240	4.381	U 42	%	35-100	
Hexachlorobutadiene	ug/L	39.446		95.240	8.000	U 41	%	41-100	
Naphthalene	ug/L	64.198		95.240	4.095	U 67	%	51-100	
2,4-Dichlorophenol	ug/L	53.082		95.240	4.095	U 56	%	52-100	
4-Chloroaniline	ug/L	47.407		95.240	2.571	U 50	%	38-114	
2,4,6-Trichlorophenol	ug/L	55.622		95.240	2.667	U 58	%	51-101	
2,4,5-Trichlorophenol	ug/L	65.868		95.240	3.429	U 69	%	54-107	
Hexachlorocyclopentadiene	ug/L	19.368		95.240	1.524	U 20	%	10-100	
2-Methylnaphthalene	ug/L	58.321		95.240	4.095	U 61	%	48-119	
2-Nitroaniline	ug/L	61.572		95.240	3.810	U 65	%	50-112	
2-Chloronaphthalene	ug/L	59.229		95.240	3.429	U 62	%	53-100	
4-Chloro-3-methylphenol	ug/L	59.154		95.240	3.619	U 62	%	50-105	
2,6-Dinitrotoluene	ug/L	72.925		95.240	2.857	U 77	%	57-110	
2-Nitrophenol	ug/L	63.253		95.240	4.095	U 66	%	48-100	
3-Nitroaniline	ug/L	74.186		95.240	3.333	U 78	%	50-109	
Dimethyl phthalate	ug/L	63.998		95.240	2.952	U 67	%	58-104	
2,4-Dinitrophenol	ug/L	75.369		95.240	11.429	U 79	%	40-125	
Acenaphthylene	ug/L	65.399		95.240	3.048	U 69	%	56-102	
2,4-Dinitrotoluene	ug/L	74.263		95.240	2.952	U 78	%	56-115	
Acenaphthene	ug/L	62.780		95.240	2.952	U 66	%	58-102	
Dibenzofuran	ug/L	61.269		95.240	3.238	U 64	%	57-100	
4-Nitrophenol	ug/L	55.347		95.240	6.762	U 58	%	30-116	
Fluorene	ug/L	61.129		95.240	3.810	U 64	%	56-104	
4-Nitroaniline	ug/L	78.988		95.240	5.810	U 83	%	40-124	
4-Bromophenyl phenyl ether	ug/L	54.884		95.240	2.762	U 58	%	54-112	
Hexachlorobenzene	ug/L	52.167		95.240	2.667	U 55	%	50-113	
Diethyl phthalate	ug/L	66.343		95.240	3.905	U 70	%	55-107	
4-Chlorophenyl phenyl ether	ug/L	60.419		95.240	3.429	U 63	%	58-103	
Pentachlorophenol	ug/L	54.045		95.240	4.381	U 57	%	50-112	
4,6-Dinitro-2-methylphenol	ug/L	84.076		95.240	6.095	U 88	%	56-125	
Phenanthrene	ug/L	57.026		95.240	2.381	U 60	%	57-105	
Anthracene	ug/L	54.092		95.240	2.381	U 57	%	56-106	
Di-n-butyl phthalate	ug/L	60.468		95.240	3.333	U 63	%	55-113	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation | PROJECT: BP-WOOD RIVER SPLIT | ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	001JWLBNAD	206510-4		11/12/2001	1646

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Fluoranthene	ug/L	58.515			95.240	4.286	U	61	%	51-111	
Pyrene	ug/L	48.613			95.240	3.714	U	51	%	43-118	
Butyl benzyl phthalate	ug/L	51.053			95.240	4.762	U	54	%	52-111	
Benzo(a)anthracene	ug/L	50.701			95.240	2.381	U	53	%	52-110	
Chrysene	ug/L	51.684			95.240	2.857	U	54	%	53-105	
3,3-Dichlorobenzidine	ug/L	15.852	J		95.240	4.191	U	17	%	30-104	*
Bis(2-ethylhexyl)phthalate	ug/L	53.559			95.240	13.152		42	%	54-113	*
Di-n-octyl phthalate	ug/L	56.662			95.240	4.095	U	59	%	31-152	
Benzo(b)fluoranthene	ug/L	52.315			95.240	3.429	U	55	%	54-129	
Benzo(k)fluoranthene	ug/L	48.261			95.240	3.524	U	51	%	48-126	
Benzo(a)pyrene	ug/L	50.109			95.240	3.524	U	53	%	40-129	
Indeno(1,2,3-cd)pyrene	ug/L	52.818			95.240	4.762	U	55	%	41-140	
Dibenzo(a,h)anthracene	ug/L	52.102			95.240	3.429	U	55	%	42-141	
Benzo(ghi)perylene	ug/L	50.979			95.240	4.095	U	54	%	38-144	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 38111

Analyst...: dpk

MSD	Matrix Spike Duplicate	D01JWLBNAD	206510-4		11/12/2001 1716

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	41.193		49.602	92.590	3.518	U	44	%	29-100	
								17	R	20	
Bis(2-chloroethyl)ether	ug/L	48.508		53.776	92.590	4.444	U	52	%	42-100	
								7	R	20	
1,3-Dichlorobenzene	ug/L	48.335		56.695	92.590	5.278	U	52	%	38-100	
								14	R	20	
1,4-Dichlorobenzene	ug/L	49.092		57.912	92.590	5.370	U	53	%	38-100	
								14	R	20	
1,2-Dichlorobenzene	ug/L	50.094		58.150	92.590	5.000	U	54	%	36-100	
								12	R	20	
Benzyl alcohol	ug/L	54.595		63.849	92.590	4.352	U	59	%	41-105	
								13	R	20	
2-Methylphenol (o-cresol)	ug/L	50.077		60.485	92.590	4.630	U	54	%	37-100	
								17	R	20	
2,2-oxybis (1-chloropropane)	ug/L	57.946		68.152	92.590	3.889	U	63	%	35-107	
								13	R	20	
n-Nitroso-di-n-propylamine	ug/L	50.035		57.248	92.590	3.611	U	54	%	41-107	
								11	R	20	
Hexachloroethane	ug/L	41.016		47.201	92.590	7.407	U	44	%	34-100	
								13	R	20	
4-Methylphenol (m/p-cresol)	ug/L	51.581		59.073	92.590	3.518	U	56	%	35-106	
								10	R	20	
2-Chlorophenol	ug/L	57.123		66.974	92.590	4.074	U	62	%	43-100	
								12	R	20	
Nitrobenzene	ug/L	42.652		48.308	92.590	3.611	U	46	%	41-105	
								10	R	20	
Bis(2-chloroethoxy)methane	ug/L	47.194		55.069	92.590	4.444	U	51	%	48-106	
								13	R	20	
1,2,4-Trichlorobenzene	ug/L	40.586		47.695	92.590	5.278	U	44	%	45-100	*
								13	R	20	
Benzoic acid	ug/L	45.024	J	56.510	92.590	6.018	U	49	%	27-111	
								19	R	20	
Isophorone	ug/L	40.994		46.365	92.590	3.055	U	44	%	47-100	*
								11	R	20	
2,4-Dimethylphenol	ug/L	37.661		40.084	92.590	4.259	U	41	%	35-100	
								2	R	20	
Hexachlorobutadiene	ug/L	33.698		39.446	92.590	7.778	U	36	%	41-100	*
								13	R	20	
Naphthalene	ug/L	55.731		64.198	92.590	3.981	U	60	%	51-100	
								11	R	20	
2,4-Dichlorophenol	ug/L	46.496		53.082	92.590	3.981	U	50	%	52-100	*
								11	R	20	
4-Chloroaniline	ug/L	41.038		47.407	92.590	2.500	U	44	%	38-114	
								13	R	20	
2,4,6-Trichlorophenol	ug/L	48.877		55.622	92.590	2.593	U	53	%	51-101	
								9	R	20	
2,4,5-Trichlorophenol	ug/L	56.868		65.868	92.590	3.333	U	61	%	54-107	
								12	R	20	
Hexachlorocyclopentadiene	ug/L	14.523		19.368	92.590	1.481	U	16	%	10-100	
								22	R	20	*

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	001JWLBNAD	206510-4		11/12/2001	1716

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
2-Methylnaphthalene	ug/L	50.766		58.321	92.590	3.981	U	55 10	% R	48-119 20	
2-Nitroaniline	ug/L	53.615		61.572	92.590	3.704	U	58 11	% R	50-112 20	
2-Chloronaphthalene	ug/L	51.465		59.229	92.590	3.333	U	56 10	% R	53-100 20	
4-Chloro-3-methylphenol	ug/L	52.055		59.154	92.590	3.518	U	56 10	% R	50-105 20	
2,6-Dinitrotoluene	ug/L	65.634		72.925	92.590	2.778	U	71 8	% R	57-110 20	
2-Nitrophenol	ug/L	54.732		63.253	92.590	3.981	U	59 11	% R	48-100 20	
3-Nitroaniline	ug/L	68.139		74.186	92.590	3.241	U	74 5	% R	50-109 20	
Dimethyl phthalate	ug/L	56.823		63.998	92.590	2.870	U	61 9	% R	58-104 20	
2,4-Dinitrophenol	ug/L	64.926		75.369	92.590	11.111	U	70 12	% R	40-125 20	
Acenaphthylene	ug/L	57.322		65.399	92.590	2.963	U	62 11	% R	56-102 20	
2,4-Dinitrotoluene	ug/L	64.893		74.263	92.590	2.870	U	70 11	% R	56-115 20	
Acenaphthene	ug/L	55.051		62.780	92.590	2.870	U	59 11	% R	58-102 20	
Dibenzofuran	ug/L	53.980		61.269	92.590	3.148	U	58 10	% R	57-100 20	
4-Nitrophenol	ug/L	47.067		55.347	92.590	6.574	U	51 13	% R	30-116 20	
Fluorene	ug/L	53.901		61.129	92.590	3.704	U	58 10	% R	56-104 20	
4-Nitroaniline	ug/L	70.106		78.988	92.590	5.648	U	76 9	% R	40-124 20	
4-Bromophenyl phenyl ether	ug/L	47.845		54.884	92.590	2.685	U	52 11	% R	54-112 20	*
Hexachlorobenzene	ug/L	42.473		52.167	92.590	2.593	U	46 18	% R	50-113 20	*
Diethyl phthalate	ug/L	58.953		66.343	92.590	3.796	U	64 9	% R	55-107 20	
4-Chlorophenyl phenyl ether	ug/L	52.446		60.419	92.590	3.333	U	57 10	% R	58-103 20	*
Pentachlorophenol	ug/L	45.831	J	54.045	92.590	4.259	U	49 15	% R	50-112 20	*
4,6-Dinitro-2-methylphenol	ug/L	73.435		84.076	92.590	5.926	U	79 11	% R	56-125 20	
Phenanthrene	ug/L	50.643		57.026	92.590	2.315	U	55 9	% R	57-105 20	*
Anthracene	ug/L	47.031		54.092	92.590	2.315	U	51 11	% R	56-106 20	*
Di-n-butyl phthalate	ug/L	54.873		60.468	92.590	3.241	U	59 7	% R	55-113 20	
Fluoranthene	ug/L	49.785		58.515	92.590	4.167	U	54 12	% R	51-111 20	
Pyrene	ug/L	42.484		48.613	92.590	3.611	U	46 10	% R	43-118 20	

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

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STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	001JUL8NAD	206510-4		11/12/2001	1716

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Butyl benzyl phthalate	ug/L	43.705	51.053	92.590	4.630 U	47	%	52-111	*
						14	R	20	
Benzo(a)anthracene	ug/L	39.275	50.701	92.590	2.315 U	42	%	52-110	*
						23	R	20	*
Chrysene	ug/L	38.937	51.684	92.590	2.778 U	42	%	53-105	*
						25	R	20	*
3,3-Dichlorobenzidine	ug/L	13.012 J	15.852 J	92.590	4.074 U	14	%	30-104	*
						19	R	20	
Bis(2-ethylhexyl)phthalate	ug/L	41.300	53.559	92.590	13.152	30	%	54-113	*
						33	R	20	*
Di-n-octyl phthalate	ug/L	42.975	56.662	92.590	3.981 U	46	%	31-152	
						25	R	20	*
Benzo(b)fluoranthene	ug/L	35.148	52.315	92.590	3.333 U	38	%	54-129	*
						37	R	20	*
Benzo(k)fluoranthene	ug/L	43.117	48.261	92.590	3.426 U	47	%	48-126	*
						8	R	20	
Benzo(a)pyrene	ug/L	37.071	50.109	92.590	3.426 U	40	%	40-129	
						28	R	20	*
Indeno(1,2,3-cd)pyrene	ug/L	40.356	52.818	92.590	4.630 U	44	%	41-140	
						22	R	20	*
Dibenzo(a,h)anthracene	ug/L	41.281	52.102	92.590	3.333 U	45	%	42-141	
						20	R	20	
Benzo(ghi)perylene	ug/L	39.777	50.979	92.590	3.981 U	43	%	38-144	
						23	R	20	*

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	001JWLBNAD	37717 -002		11/12/2001	1416

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 60473

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine	ug/L	21.945		100.000	3.800 U	22	%	16-100	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37717 -001		11/12/2001	1346

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 60473

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine	ug/L	3.800 U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 60473

Analyst...: dpk

MS	Matrix Spike	001JWL8WAD	206510-4		11/12/2001	1646

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Pyridine	ug/L	24.707		95.240	3.619 U	26	%	16-100	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL10
Batch.....: 60473

Analyst...: dpk

MSD	Matrix Spike Duplicate	001JWLBNAD	206510-4		11/12/2001	1716

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Pyridine	ug/L	17.637	J	24.707	92.590	3.518	U	19	%	16-100	
								31	R	20	*

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

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STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V01K12DSA	37806-025		11/12/2001	1159

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 38029

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	6.355		10.000	0.160 U	64	%	39-136	
Vinyl chloride	ug/L	9.358		10.000	0.180 U	94	%	51-138	
Bromomethane	ug/L	6.458		10.000	0.180 U	65	%	68-140	*
Chloroethane	ug/L	9.779		10.000	0.210 U	98	%	58-141	
Trichlorofluoromethane	ug/L	7.797		10.000	0.220 U	78	%	46-162	
1,1-Dichloroethene	ug/L	5.573		10.000	0.190 U	56	%	53-136	
Carbon disulfide	ug/L	3.208		10.000	0.400 U	32	%	24-137	
Acetone	ug/L	8.537		10.000	1.500 U	85	%	11-155	
Methylene chloride	ug/L	7.781		10.000	0.190 U	78	%	59-130	
trans-1,2-Dichloroethene	ug/L	7.242		10.000	0.210 U	72	%	60-140	
1,1-Dichloroethane	ug/L	7.638		10.000	0.200 U	76	%	58-140	
Vinyl acetate	ug/L	8.853		10.000	0.470 U	89	%	32-168	
2,2-Dichloropropane	ug/L	7.283		10.000	0.200 U	73	%	26-169	
cis-1,2-Dichloroethene	ug/L	9.215		10.000	0.210 U	92	%	67-129	
2-Butanone (MEK)	ug/L	9.642		10.000	1.700 U	96	%	38-132	
Bromochloromethane	ug/L	10.960		10.000	0.190 U	110	%	46-145	
Chloroform	ug/L	8.329		10.000	0.230 U	83	%	71-132	
1,1,1-Trichloroethane	ug/L	7.450		10.000	0.220 U	75	%	68-131	
1,1-Dichloropropene	ug/L	7.220		10.000	0.240 U	72	%	77-136	*
Carbon tetrachloride	ug/L	7.058		10.000	0.240 U	71	%	69-133	
Benzene	ug/L	8.316		10.000	0.200 U	83	%	71-122	
1,2-Dichloroethane	ug/L	7.279		10.000	0.250 U	73	%	70-128	
Trichloroethene	ug/L	8.839		10.000	0.210 U	88	%	78-126	
1,2-Dichloropropane	ug/L	9.943		10.000	0.220 U	99	%	71-128	
Dibromomethane	ug/L	8.534		10.000	0.260 U	85	%	72-127	
Bromodichloromethane	ug/L	8.419		10.000	0.230 U	84	%	76-129	
2-Chloroethylvinylether	ug/L	1.400	U	10.000	1.400 U	0	%	10-141	*
cis-1,3-Dichloropropene	ug/L	8.331		10.400	0.220 U	80	%	69-122	
4-Methyl-2-pentanone (MIBK)	ug/L	7.760		10.000	0.920 U	78	%	53-128	
Toluene	ug/L	8.993		10.000	0.210 U	90	%	77-122	
trans-1,3-Dichloropropene	ug/L	7.945		9.600	0.240 U	83	%	69-132	
1,1,2-Trichloroethane	ug/L	9.530		10.000	0.330 U	95	%	68-136	
Tetrachloroethene	ug/L	9.175		10.000	0.200 U	92	%	74-132	
1,3-Dichloropropane	ug/L	8.869		10.000	0.230 U	89	%	75-124	
2-Hexanone	ug/L	8.890		10.000	1.200 U	89	%	54-124	
Dibromochloromethane	ug/L	9.010		10.000	0.230 U	90	%	75-131	
1,1,1,2-Tetrachloroethane	ug/L	9.011		10.000	0.210 U	90	%	82-123	
Ethylbenzene	ug/L	9.146		10.000	0.200 U	91	%	78-123	
Styrene	ug/L	9.557		10.000	0.230 U	96	%	82-123	
Bromoform	ug/L	9.582		10.000	0.220 U	96	%	57-154	
Isopropylbenzene	ug/L	8.965		10.000	0.210 U	90	%	70-135	
Bromobenzene	ug/L	9.781		10.000	0.220 U	98	%	83-121	
1,1,2,2-Tetrachloroethane	ug/L	9.140		10.000	0.250 U	91	%	72-126	
1,2,3-Trichloropropane	ug/L	9.581		10.000	0.200 U	96	%	74-124	
Xylenes (total)	ug/L	27.765		30.000	0.280 U	93	%	82-130	
1,4-Dichlorobenzene	ug/L	9.478		10.000	0.220 U	95	%	80-124	
1,2-Dichlorobenzene	ug/L	8.950		10.000	0.240 U	90	%	82-123	
1,2,4-Trichlorobenzene	ug/L	8.945		10.000	0.230 U	89	%	73-132	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		57806 -024		11/12/2001	1120

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 38029

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.160	U							
Vinyl chloride	ug/L	0.180	U							
Bromomethane	ug/L	0.180	U							
Chloroethane	ug/L	0.210	U							
Trichlorofluoromethane	ug/L	0.220	U							
1,1-Dichloroethene	ug/L	0.190	U							
Carbon disulfide	ug/L	0.400	U							
Acetone	ug/L	1.500	U							
Methylene chloride	ug/L	0.190	U							
trans-1,2-Dichloroethene	ug/L	0.210	U							
1,1-Dichloroethane	ug/L	0.200	U							
Vinyl acetate	ug/L	0.470	U							
2,2-Dichloropropane	ug/L	0.200	U							
cis-1,2-Dichloroethene	ug/L	0.210	U							
2-Butanone (MEK)	ug/L	1.700	U							
Bromochloromethane	ug/L	0.190	U							
Chloroform	ug/L	0.230	U							
1,1,1-Trichloroethane	ug/L	0.220	U							
1,1-Dichloropropene	ug/L	0.240	U							
Carbon tetrachloride	ug/L	0.240	U							
Benzene	ug/L	0.200	U							
1,2-Dichloroethane	ug/L	0.250	U							
Trichloroethene	ug/L	0.210	U							
1,2-Dichloropropane	ug/L	0.220	U							
Dibromomethane	ug/L	0.260	U							
Bromodichloromethane	ug/L	0.230	U							
2-Chloroethylvinylether	ug/L	1.400	U							
cis-1,3-Dichloropropene	ug/L	0.220	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.920	U							
Toluene	ug/L	0.210	U							
trans-1,3-Dichloropropene	ug/L	0.240	U							
1,1,2-Trichloroethane	ug/L	0.330	U							
Tetrachloroethene	ug/L	0.200	U							
1,3-Dichloropropane	ug/L	0.230	U							
2-Hexanone	ug/L	1.200	U							
Dibromochloromethane	ug/L	0.230	U							
1,1,1,2-Tetrachloroethane	ug/L	0.210	U							
Ethylbenzene	ug/L	0.200	U							
Styrene	ug/L	0.230	U							
Bromoform	ug/L	0.220	U							
Isopropylbenzene	ug/L	0.210	U							
Bromobenzene	ug/L	0.220	U							
1,1,2,2-Tetrachloroethane	ug/L	0.250	U							
1,2,3-Trichloropropane	ug/L	0.200	U							
Xylenes (total)	ug/L	0.280	U							
1,4-Dichlorobenzene	ug/L	0.220	U							
1,2-Dichlorobenzene	ug/L	0.240	U							
1,2,4-Trichlorobenzene	ug/L	0.230	U							

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

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STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 38029

Analyst...: jdn

MS	Matrix Spike	V01K12DSA	206510-4		11/12/2001	1743

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	7.832		10.000	0.160 U	78	%	39-136	
Vinyl chloride	ug/L	11.282		10.000	0.180 U	113	%	51-138	
Bromomethane	ug/L	6.730		10.000	0.180 U	67	%	68-140	*
Chloroethane	ug/L	10.617		10.000	0.210 U	106	%	58-141	
Trichlorofluoromethane	ug/L	10.174		10.000	0.220 U	102	%	46-162	
1,1-Dichloroethene	ug/L	5.217		10.000	0.190 U	52	%	53-136	*
Carbon disulfide	ug/L	2.730		10.000	0.400 U	27	%	24-137	
Acetone	ug/L	6.035		10.000	1.500 U	60	%	11-155	
Methylene chloride	ug/L	6.932		10.000	0.190 U	69	%	59-130	
trans-1,2-Dichloroethene	ug/L	6.651		10.000	0.210 U	67	%	60-140	
1,1-Dichloroethane	ug/L	7.684		10.000	0.200 U	77	%	58-140	
Vinyl acetate	ug/L	8.828		10.000	0.470 U	88	%	32-168	
2,2-Dichloropropane	ug/L	8.549		10.000	0.200 U	85	%	26-169	
cis-1,2-Dichloroethene	ug/L	9.071		10.000	0.210 U	91	%	67-129	
2-Butanone (MEK)	ug/L	6.294		10.000	1.700 U	63	%	38-132	
Bromochloromethane	ug/L	10.768		10.000	0.190 U	108	%	46-145	
Chloroform	ug/L	9.219		10.000	0.230 U	92	%	71-132	
1,1,1-Trichloroethane	ug/L	8.393		10.000	0.220 U	84	%	68-131	
1,1-Dichloropropene	ug/L	8.010		10.000	0.240 U	80	%	77-136	
Carbon tetrachloride	ug/L	8.274		10.000	0.240 U	83	%	69-133	
Benzene	ug/L	8.235		10.000	0.200 U	82	%	71-122	
1,2-Dichloroethane	ug/L	8.375		10.000	0.250 U	84	%	70-128	
Trichloroethene	ug/L	9.305		10.000	0.210 U	93	%	78-126	
1,2-Dichloropropane	ug/L	9.721		10.000	0.220 U	97	%	71-128	
Dibromomethane	ug/L	8.799		10.000	0.260 U	88	%	72-127	
Bromodichloromethane	ug/L	9.527		10.000	0.230 U	95	%	76-129	
2-Chloroethylvinylether	ug/L	1.400	U	10.000	1.400 U	0	%	10-141	*
cis-1,3-Dichloropropene	ug/L	8.664		10.400	0.220 U	83	%	69-122	
4-Methyl-2-pentanone (MIBK)	ug/L	8.997		10.000	0.920 U	90	%	53-128	
Toluene	ug/L	9.214		10.000	0.210 U	92	%	77-122	
trans-1,3-Dichloropropene	ug/L	8.702		9.600	0.240 U	91	%	69-132	
1,1,2-Trichloroethane	ug/L	9.711		10.000	0.330 U	97	%	68-136	
Tetrachloroethene	ug/L	10.906		10.000	1.212	97	%	74-132	
1,3-Dichloropropane	ug/L	9.562		10.000	0.230 U	96	%	75-124	
2-Hexanone	ug/L	8.673		10.000	1.200 U	87	%	54-124	
Dibromochloromethane	ug/L	9.528		10.000	0.230 U	95	%	75-131	
1,1,1,2-Tetrachloroethane	ug/L	9.798		10.000	0.210 U	98	%	82-123	
Ethylbenzene	ug/L	9.776		10.000	0.200 U	98	%	78-123	
Styrene	ug/L	10.431		10.000	0.230 U	104	%	82-123	
Bromoform	ug/L	10.420		10.000	0.220 U	104	%	57-154	
Isopropylbenzene	ug/L	9.224		10.000	0.210 U	92	%	70-135	
Bromobenzene	ug/L	9.589		10.000	0.220 U	96	%	83-121	
1,1,2,2-Tetrachloroethane	ug/L	8.851		10.000	0.250 U	89	%	72-126	
1,2,3-Trichloropropane	ug/L	9.456		10.000	0.200 U	95	%	74-124	
Xylenes (total)	ug/L	31.046		30.000	0.280 U	103	%	82-130	
1,4-Dichlorobenzene	ug/L	9.383		10.000	0.220 U	94	%	80-124	
1,2-Dichlorobenzene	ug/L	9.141		10.000	0.240 U	91	%	82-123	
1,2,4-Trichlorobenzene	ug/L	9.179		10.000	0.230 U	92	%	73-132	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation | PROJECT: BP-WOOD RIVER SPLIT | ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V01K120SA	206510-4		11/12/2001	1812

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 38029

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Chloromethane	ug/L	8.133	7.832	10.000	0.160	U	81	%	39-136	
							4	R	18	
Vinyl chloride	ug/L	12.255	11.282	10.000	0.180	U	123	%	51-138	
							8	R	19	
Bromomethane	ug/L	7.764	6.730	10.000	0.180	U	78	%	68-140	
							15	R	20	
Chloroethane	ug/L	11.188	10.617	10.000	0.210	U	112	%	58-141	
							6	R	21	
Trichlorofluoromethane	ug/L	9.688	10.174	10.000	0.220	U	97	%	46-162	
							5	R	20	
1,1-Dichloroethene	ug/L	5.613	5.217	10.000	0.190	U	56	%	53-136	
							7	R	28	
Carbon disulfide	ug/L	2.933	2.730	10.000	0.400	U	29	%	24-137	
							7	R	37	
Acetone	ug/L	5.131	6.035	10.000	1.500	U	51	%	11-155	
							16	R	34	
Methylene chloride	ug/L	7.442	6.932	10.000	0.190	U	74	%	59-130	
							7	R	28	
trans-1,2-Dichloroethene	ug/L	6.939	6.651	10.000	0.210	U	69	%	60-140	
							3	R	20	
1,1-Dichloroethane	ug/L	7.651	7.684	10.000	0.200	U	77	%	58-140	
							0	R	29	
Vinyl acetate	ug/L	9.096	8.828	10.000	0.470	U	91	%	32-168	
							3	R	20	
2,2-Dichloropropane	ug/L	7.942	8.549	10.000	0.200	U	79	%	26-169	
							7	R	20	
cis-1,2-Dichloroethene	ug/L	8.980	9.071	10.000	0.210	U	90	%	67-129	
							1	R	24	
2-Butanone (MEK)	ug/L	8.760	6.294	10.000	1.700	U	88	%	38-132	
							33	R	27	*
Bromochloromethane	ug/L	11.655	10.768	10.000	0.190	U	117	%	46-145	
							8	R	20	
Chloroform	ug/L	8.489	9.219	10.000	0.230	U	85	%	71-132	
							8	R	27	
1,1,1-Trichloroethane	ug/L	7.809	8.393	10.000	0.220	U	78	%	68-131	
							7	R	21	
1,1-Dichloropropene	ug/L	7.756	8.010	10.000	0.240	U	78	%	77-136	
							3	R	20	
Carbon tetrachloride	ug/L	7.662	8.274	10.000	0.240	U	77	%	69-133	
							8	R	15	
Benzene	ug/L	8.335	8.235	10.000	0.200	U	83	%	71-122	
							1	R	19	
1,2-Dichloroethane	ug/L	7.944	8.375	10.000	0.250	U	79	%	70-128	
							6	R	23	
Trichloroethene	ug/L	8.916	9.305	10.000	0.210	U	89	%	78-126	
							4	R	20	
1,2-Dichloropropane	ug/L	9.985	9.721	10.000	0.220	U	100	%	71-128	
							3	R	20	
Dibromomethane	ug/L	8.785	8.799	10.000	0.260	U	88	%	72-127	
							0	R	20	

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

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STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	VQ1K12DSA	206510-4		11/12/2001	1812

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Bromodichloromethane	ug/L	9.191	9.527	10.000	0.230 U	92 3	% R	76-129 22	
2-Chloroethylvinylether	ug/L	1.400 U	1.400 U	10.000	1.400 U	0 0	% R	10-141 20	*
cis-1,3-Dichloropropene	ug/L	8.747	8.664	10.400	0.220 U	84 1	% R	69-122 21	
4-Methyl-2-pentanone (MIBK)	ug/L	8.797	8.997	10.000	0.920 U	88 2	% R	53-128 27	
Toluene	ug/L	9.123	9.214	10.000	0.210 U	91 1	% R	77-122 21	
trans-1,3-Dichloropropene	ug/L	8.584	8.702	9.600	0.240 U	89 2	% R	69-132 26	
1,1,2-Trichloroethane	ug/L	9.421	9.711	10.000	0.330 U	94 3	% R	68-136 28	
Tetrachloroethene	ug/L	10.740	10.906	10.000	1.212	95 2	% R	74-132 21	
1,3-Dichloropropane	ug/L	9.328	9.562	10.000	0.230 U	93 3	% R	75-124 17	
2-Hexanone	ug/L	10.135	8.673	10.000	1.200 U	101 15	% R	54-124 28	
Dibromochloromethane	ug/L	9.787	9.528	10.000	0.230 U	98 3	% R	75-131 19	
1,1,1,2-Tetrachloroethane	ug/L	9.625	9.798	10.000	0.210 U	96 2	% R	82-123 20	
Ethylbenzene	ug/L	9.587	9.776	10.000	0.200 U	96 2	% R	78-123 17	
Styrene	ug/L	9.835	10.431	10.000	0.230 U	98 6	% R	82-123 19	
Bromoform	ug/L	9.675	10.420	10.000	0.220 U	97 7	% R	57-154 20	
Isopropylbenzene	ug/L	8.884	9.224	10.000	0.210 U	89 3	% R	70-135 20	
Bromobenzene	ug/L	9.240	9.589	10.000	0.220 U	92 4	% R	83-121 20	
1,1,2,2-Tetrachloroethane	ug/L	9.182	8.851	10.000	0.250 U	92 3	% R	72-126 24	
1,2,3-Trichloropropane	ug/L	8.976	9.456	10.000	0.200 U	90 5	% R	74-124 20	
Xylenes (total)	ug/L	28.892	31.046	30.000	0.280 U	96 7	% R	82-130 20	
1,4-Dichlorobenzene	ug/L	9.349	9.383	10.000	0.220 U	93 1	% R	80-124 20	
1,2-Dichlorobenzene	ug/L	8.886	9.141	10.000	0.240 U	89 2	% R	82-123 20	
1,2,4-Trichlorobenzene	ug/L	8.505	9.179	10.000	0.230 U	85 8	% R	73-132 20	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 38030

Analyst...: jdn

LCS	Laboratory Control Sample	V01K130SA	37897 -005		11/13/2001	1305

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	9.900		10.000	0.160 U	99	%	39-136	
Vinyl chloride	ug/L	10.158		10.000	0.180 U	102	%	51-138	
Bromomethane	ug/L	12.936		10.000	0.180 U	129	%	68-140	
Chloroethane	ug/L	9.909		10.000	0.210 U	99	%	58-141	
Trichlorofluoromethane	ug/L	11.397		10.000	0.220 U	114	%	46-162	
1,1-Dichloroethene	ug/L	9.892		10.000	0.190 U	99	%	53-136	
Carbon disulfide	ug/L	7.220		10.000	0.400 U	72	%	24-137	
Acetone	ug/L	11.678		10.000	1.500 U	117	%	11-155	
Methylene chloride	ug/L	9.414		10.000	0.190 U	94	%	59-130	
trans-1,2-Dichloroethene	ug/L	9.525		10.000	0.210 U	95	%	60-140	
1,1-Dichloroethane	ug/L	10.138		10.000	0.200 U	101	%	58-140	
Vinyl acetate	ug/L	11.970		10.000	0.470 U	120	%	32-168	
2,2-Dichloropropane	ug/L	11.163		10.000	0.200 U	112	%	26-169	
cis-1,2-Dichloroethene	ug/L	10.085		10.000	0.210 U	101	%	67-129	
2-Butanone (MEK)	ug/L	8.075		10.000	1.700 U	81	%	38-132	
Bromochloromethane	ug/L	11.585		10.000	0.190 U	116	%	46-145	
Chloroform	ug/L	10.597		10.000	0.230 U	106	%	71-132	
1,1,1-Trichloroethane	ug/L	10.996		10.000	0.220 U	110	%	68-131	
1,1-Dichloropropene	ug/L	9.711		10.000	0.240 U	97	%	77-136	
Carbon tetrachloride	ug/L	11.242		10.000	0.240 U	112	%	69-133	
Benzene	ug/L	9.477		10.000	0.200 U	95	%	71-122	
1,2-Dichloroethane	ug/L	11.503		10.000	0.250 U	115	%	70-128	
Trichloroethene	ug/L	9.509		10.000	0.210 U	95	%	78-126	
1,2-Dichloropropane	ug/L	10.095		10.000	0.220 U	101	%	71-128	
Dibromomethane	ug/L	10.475		10.000	0.260 U	105	%	72-127	
Bromodichloromethane	ug/L	10.803		10.000	0.230 U	108	%	76-129	
2-Chloroethylvinylether	ug/L	20.234		10.000	1.400 U	202	%	10-141	*
cis-1,3-Dichloropropene	ug/L	10.054		10.400	0.220 U	97	%	69-122	
4-Methyl-2-pentanone (MIBK)	ug/L	9.834		10.000	0.920 U	98	%	53-128	
Toluene	ug/L	9.276		10.000	0.210 U	93	%	77-122	
trans-1,3-Dichloropropene	ug/L	9.935		9.600	0.240 U	103	%	69-132	
1,1,2-Trichloroethane	ug/L	9.485		10.000	0.330 U	95	%	68-136	
Tetrachloroethene	ug/L	9.378		10.000	0.200 U	94	%	74-132	
1,3-Dichloropropane	ug/L	10.150		10.000	0.230 U	102	%	75-124	
2-Hexanone	ug/L	9.257		10.000	1.200 U	93	%	54-124	
Dibromochloromethane	ug/L	10.514		10.000	0.230 U	105	%	75-131	
1,1,1,2-Tetrachloroethane	ug/L	10.058		10.000	0.210 U	101	%	82-123	
Ethylbenzene	ug/L	9.025		10.000	0.200 U	90	%	78-123	
Styrene	ug/L	9.575		10.000	0.230 U	96	%	82-123	
Bromoform	ug/L	10.636		10.000	0.220 U	106	%	57-154	
Isopropylbenzene	ug/L	8.518		10.000	0.210 U	85	%	70-135	
Bromobenzene	ug/L	9.051		10.000	0.220 U	91	%	83-121	
1,1,2,2-Tetrachloroethane	ug/L	8.950		10.000	0.250 U	90	%	72-126	
1,2,3-Trichloropropane	ug/L	9.728		10.000	0.200 U	97	%	74-124	
Xylenes (total)	ug/L	31.482		30.000	0.280 U	105	%	82-130	
1,4-Dichlorobenzene	ug/L	8.443		10.000	0.220 U	84	%	80-124	
1,2-Dichlorobenzene	ug/L	8.603		10.000	0.240 U	86	%	82-123	
1,2,4-Trichlorobenzene	ug/L	8.537		10.000	0.230 U	85	%	73-132	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37897-004		11/13/2001	1227

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 38030

Analyst...: Jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.160	U							
Vinyl chloride	ug/L	0.180	U							
Bromomethane	ug/L	0.180	U							
Chloroethane	ug/L	0.210	U							
Trichlorofluoromethane	ug/L	0.220	U							
1,1-Dichloroethene	ug/L	0.190	U							
Carbon disulfide	ug/L	0.400	U							
Acetone	ug/L	1.500	U							
Methylene chloride	ug/L	0.190	U							
trans-1,2-Dichloroethene	ug/L	0.210	U							
1,1-Dichloroethane	ug/L	0.200	U							
Vinyl acetate	ug/L	0.470	U							
2,2-Dichloropropane	ug/L	0.200	U							
cis-1,2-Dichloroethene	ug/L	0.210	U							
2-Butanone (MEK)	ug/L	1.700	U							
Bromochloromethane	ug/L	0.190	U							
Chloroform	ug/L	0.230	U							
1,1,1-Trichloroethane	ug/L	0.220	U							
1,1-Dichloropropene	ug/L	0.240	U							
Carbon tetrachloride	ug/L	0.240	U							
Benzene	ug/L	0.200	U							
1,2-Dichloroethane	ug/L	0.250	U							
Trichloroethene	ug/L	0.210	U							
1,2-Dichloropropane	ug/L	0.220	U							
Dibromomethane	ug/L	0.260	U							
Bromodichloromethane	ug/L	0.230	U							
2-Chloroethylvinylether	ug/L	1.400	U							
cis-1,3-Dichloropropene	ug/L	0.220	U							
4-Methyl-2-pentanone (MIBK)	ug/L	0.920	U							
Toluene	ug/L	0.210	U							
trans-1,3-Dichloropropene	ug/L	0.240	U							
1,1,2-Trichloroethane	ug/L	0.330	U							
Tetrachloroethene	ug/L	0.200	U							
1,3-Dichloropropane	ug/L	0.230	U							
2-Hexanone	ug/L	1.200	U							
Dibromochloromethane	ug/L	0.230	U							
1,1,1,2-Tetrachloroethane	ug/L	0.210	U							
Ethylbenzene	ug/L	0.200	U							
Styrene	ug/L	0.230	U							
Bromoform	ug/L	0.220	U							
Isopropylbenzene	ug/L	0.210	U							
Bromobenzene	ug/L	0.220	U							
1,1,2,2-Tetrachloroethane	ug/L	0.250	U							
1,2,3-Trichloropropane	ug/L	0.200	U							
Xylenes (total)	ug/L	0.280	U							
1,4-Dichlorobenzene	ug/L	0.220	U							
1,2-Dichlorobenzene	ug/L	0.240	U							
1,2,4-Trichlorobenzene	ug/L	0.230	U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V01K130SA	38026-005		11/14/2001	0103

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 38031

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	9.518		10.000	0.160 U	95	%	39-136	
Vinyl chloride	ug/L	11.059		10.000	0.180 U	111	%	51-138	
Bromomethane	ug/L	11.667		10.000	0.180 U	117	%	68-140	
Chloroethane	ug/L	10.560		10.000	0.210 U	106	%	58-141	
Trichlorofluoromethane	ug/L	12.712		10.000	0.220 U	127	%	46-162	
1,1-Dichloroethene	ug/L	10.952		10.000	0.190 U	110	%	53-136	
Carbon disulfide	ug/L	7.973		10.000	0.400 U	80	%	24-137	
Acetone	ug/L	11.384		10.000	1.500 U	114	%	11-155	
Methylene chloride	ug/L	9.968		10.000	0.190 U	100	%	59-130	
trans-1,2-Dichloroethene	ug/L	10.544		10.000	0.210 U	105	%	60-140	
1,1-Dichloroethane	ug/L	11.244		10.000	0.200 U	112	%	58-140	
Vinyl acetate	ug/L	13.499		10.000	0.470 U	135	%	32-168	
2,2-Dichloropropane	ug/L	13.456		10.000	0.200 U	135	%	26-169	
cis-1,2-Dichloroethene	ug/L	10.865		10.000	0.210 U	109	%	67-129	
2-Butanone (MEK)	ug/L	9.107		10.000	1.700 U	91	%	38-132	
Bromochloromethane	ug/L	10.670		10.000	0.190 U	107	%	46-145	
Chloroform	ug/L	11.823		10.000	0.230 U	118	%	71-132	
1,1,1-Trichloroethane	ug/L	12.772		10.000	0.220 U	128	%	68-131	
1,1-Dichloropropene	ug/L	11.370		10.000	0.240 U	114	%	77-136	
Carbon tetrachloride	ug/L	13.408		10.000	0.240 U	134	%	69-133	*
Benzene	ug/L	10.627		10.000	0.200 U	106	%	71-122	
1,2-Dichloroethane	ug/L	12.732		10.000	0.250 U	127	%	70-128	
Trichloroethene	ug/L	11.018		10.000	0.210 U	110	%	78-126	
1,2-Dichloropropane	ug/L	10.982		10.000	0.220 U	110	%	71-128	
Dibromomethane	ug/L	11.224		10.000	0.260 U	112	%	72-127	
Bromodichloromethane	ug/L	12.084		10.000	0.230 U	121	%	76-129	
2-Chloroethylvinylether	ug/L	30.339		10.000	1.400 U	303	%	10-141	*
cis-1,3-Dichloropropene	ug/L	11.063		10.400	0.220 U	106	%	69-122	
4-Methyl-2-pentanone (MIBK)	ug/L	10.520		10.000	0.920 U	105	%	53-128	
Toluene	ug/L	10.529		10.000	0.210 U	105	%	77-122	
trans-1,3-Dichloropropene	ug/L	11.063		9.600	0.240 U	115	%	69-132	
1,1,2-Trichloroethane	ug/L	9.880		10.000	0.330 U	99	%	68-136	
Tetrachloroethene	ug/L	11.788		10.000	0.200 U	118	%	74-132	
1,3-Dichloropropane	ug/L	11.377		10.000	0.230 U	114	%	75-124	
2-Hexanone	ug/L	10.732		10.000	1.200 U	107	%	54-124	
Dibromochloromethane	ug/L	11.893		10.000	0.230 U	119	%	75-131	
1,1,1,2-Tetrachloroethane	ug/L	11.729		10.000	0.210 U	117	%	82-123	
Ethylbenzene	ug/L	10.592		10.000	0.200 U	106	%	78-123	
Styrene	ug/L	11.093		10.000	0.230 U	111	%	82-123	
Bromoform	ug/L	11.988		10.000	0.220 U	120	%	57-154	
Isopropylbenzene	ug/L	10.535		10.000	0.210 U	105	%	70-135	
Bromobenzene	ug/L	10.433		10.000	0.220 U	104	%	83-121	
1,1,2,2-Tetrachloroethane	ug/L	9.719		10.000	0.250 U	97	%	72-126	
1,2,3-Trichloropropane	ug/L	10.047		10.000	0.200 U	100	%	74-124	
Xylenes (total)	ug/L	38.154		30.000	0.280 U	127	%	82-130	
1,4-Dichlorobenzene	ug/L	9.829		10.000	0.220 U	98	%	80-124	
1,2-Dichlorobenzene	ug/L	9.662		10.000	0.240 U	97	%	82-123	
1,2,4-Trichlorobenzene	ug/L	9.583		10.000	0.230 U	96	%	73-132	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BR-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 38031

Analyst...: jdn

MB	Method Blank		38026 004		11/14/2001	0017

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	0.160	U						
Vinyl chloride	ug/L	0.180	U						
Bromomethane	ug/L	0.180	U						
Chloroethane	ug/L	0.210	U						
Trichlorofluoromethane	ug/L	0.220	U						
1,1-Dichloroethene	ug/L	0.190	U						
Carbon disulfide	ug/L	0.400	U						
Acetone	ug/L	1.500	U						
Methylene chloride	ug/L	0.190	U						
trans-1,2-Dichloroethene	ug/L	0.210	U						
1,1-Dichloroethane	ug/L	0.200	U						
Vinyl acetate	ug/L	0.470	U						
2,2-Dichloropropane	ug/L	0.200	U						
cis-1,2-Dichloroethene	ug/L	0.210	U						
2-Butanone (MEK)	ug/L	1.700	U						
Bromochloromethane	ug/L	0.190	U						
Chloroform	ug/L	0.230	U						
1,1,1-Trichloroethane	ug/L	0.220	U						
1,1-Dichloropropene	ug/L	0.240	U						
Carbon tetrachloride	ug/L	0.240	U						
Benzene	ug/L	0.200	U						
1,2-Dichloroethane	ug/L	0.250	U						
Trichloroethene	ug/L	0.210	U						
1,2-Dichloropropane	ug/L	0.220	U						
Dibromomethane	ug/L	0.260	U						
Bromodichloromethane	ug/L	0.230	U						
2-Chloroethylvinylether	ug/L	1.400	U						
cis-1,3-Dichloropropene	ug/L	0.220	U						
4-Methyl-2-pentanone (MIBK)	ug/L	0.920	U						
Toluene	ug/L	0.210	U						
trans-1,3-Dichloropropene	ug/L	0.240	U						
1,1,2-Trichloroethane	ug/L	0.330	U						
Tetrachloroethene	ug/L	0.200	U						
1,3-Dichloropropane	ug/L	0.230	U						
2-Hexanone	ug/L	1.200	U						
Dibromochloromethane	ug/L	0.230	U						
1,1,1,2-Tetrachloroethane	ug/L	0.210	U						
Ethylbenzene	ug/L	0.200	U						
Styrene	ug/L	0.230	U						
Bromoform	ug/L	0.220	U						
Isopropylbenzene	ug/L	0.210	U						
Bromobenzene	ug/L	0.220	U						
1,1,2,2-Tetrachloroethane	ug/L	0.250	U						
1,2,3-Trichloropropane	ug/L	0.200	U						
Xylenes (total)	ug/L	0.280	U						
1,4-Dichlorobenzene	ug/L	0.220	U						
1,2-Dichlorobenzene	ug/L	0.240	U						
1,2,4-Trichlorobenzene	ug/L	0.230	U						

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V01K12DSA	37806 -025		11/12/2001	1159

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 60475

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	9.283		10.000	0.220 U	93	%	83-123	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 60475

Analyst...: jdn

MB	Method Blank		37806-024		11/12/2001	1120

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	0.220 U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	V01K120SA	206510-4		11/12/2001	1743

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 60475

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	9.565		10.000	0.220 U	96	%	83-123	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V01K120SA	206510-4		11/12/2001	1812

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL6
Batch.....: 60475

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	9.558	9.565	10.000	0.220 U	96	%	83-123	
						0	R	16	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 60477

Analyst...: jdn

LCS	Laboratory Control Sample	V01K130SA	37897 -005		11/13/2001	1305

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	9.424		10.000	0.220 U	94	%	83-123	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		37897-004		11/13/2001	1227

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 60477

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	0.220 U							

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation PROJECT: BP-WOOD RIVER SPLIT ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 60478

Analyst...: jdn

LCS	Laboratory Control Sample	V01K130SA	38026 -005		11/14/2001 0103

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	10.971		10.000	0.220 u	110	%	83-123	

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

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QUALITY CONTROL RESULTS

Job Number.: 206510

Report Date.: 08/22/2002

CUSTOMER: URS Corporation | PROJECT: BP-WOOD RIVER SPLIT | ATTN: Susanne Tomajko

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		38026 -004		11/14/2001	0017

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL3
Batch.....: 60478

Analyst...: jdn

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chlorobenzene	ug/L	0.220 U							

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

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STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Rick Mehl
Company: Weston Solutions
Address: 750 E. Bunker Ct. Ste. 500
Phone: 847-918-4000
Fax: 847-918-4055
E-Mail:

Bill To:
Contact: Same
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot# 211202

Package Sealed Yes (No)	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler 25	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK Yes No (NA)	Res Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No	COC not present

Sampler Name: B. Crawford, T. Williams
Signature: [signature]
Project Name: Koth & Parnell
Project Number: 12634.001.002.0293.00
Project Location: Chicago, IL
Lab PM:
Date Required Hard Copy: __/__/__ Fax: __/__/__

Refrig #
/ Cont.
Volume
Preserv.

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	TCLP Metals	Paint Filter	Flammability	pH	Reactivity	Total Metals					Additional Analyses / Remarks
1		D-1	8/6/02	1405	DL	G	X	X	X	X	X						
		~~D-2~~			DS	G	X	X	X	X	X						
2		D-3		1413	DS	G	X	X	X	X	X						
3		D-4		1415	DS	G	X	X	X	X	X						
4		D-5		1425	DS	G	X	X	X	X	X						
5		S-1		1415	S	C	X	X	X	X	X						
6		S-2		1420	S	C	X	X	X	X	X						
7		S-3		1430	S	C	X	X	X	X	X						
8		S-4		1440	S	C	X					X					
9		S-6		1456	S	C	X					X					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	WESTON	8/6/02	1740	[signature]	STL-CH.	8/6/02	17:40
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
				[signature]	STL	8/7/02	0900

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 8/6/02
Courier: Weston **Hand Delivered** ☒
Bill of Lading