

ATTACHMENT A
SITE ACCESS SUMMARY TABLE

Attachment A - Site Access Summary Table
Torch Lake Area Assessment
Keweenaw Peninsula, Michigan
September 20, 2007

Site/ Property Name	AOI Number	Landowner	Contact	Access Granted?	Access Denied?	START AA Completed	FIELDS Shoreline AA Completed
Quincy Smelter	7			NR	NR	NR	NR
Mason Sands	10	See Administrative Order	Same as landowner	Yes ¹	No	Yes	Yes
Lake Linden Sands	12		Same as landowner				
C&H Stamp Mill	12	See Administrative Order	Same as landowner	Yes ¹	No	Yes	Yes
Lake Linden Leach Plant	12	See Administrative Order	Same as landowner	Yes ¹	No	Yes	Yes
Municipal Dump	12	See Administrative Order	Same as landowner	Yes ¹	No	Yes	Yes
Backwater Area of Torch Lake	24	See Administrative Order	Same as landowner	Yes ¹	No	Yes	Yes
Gay Stampsands	14	Keweenaw County Road Commission	Gregg Patrick	Yes	No	Yes	NR
Additional Properties Adjacent to Smelter	15						
Franklin Township	15	Franklin Township	Same as landowner	Yes	No	Yes	NR
Sprague	15	Diane B. Sprague Trust	Same as landowner	No	No	No	No
Usimaki	15	Bruce Usimaki	Same as landowner	No	No	No	No
Manwell	15	Zenith Manwell	Same as landowner	No	No	No	No
Kolehmainen	15	Raymond Kolehmainen/ Bootjack Holdings/Ripley, LLC	Same as landowner	Yes ⁴	No	Yes	NR
Mickelsen	15	David and Marilyn Mickelsen	Same as landowner	Yes	No	Yes	NR
Hocking	15	Clarence G. Hocking Trust	Same as landowner	Yes	No	Yes	NR
H&Y Marina	15	H&Y, Inc.	Same as landowner	Yes	No	Yes	NR
Hanke	15	David and Pamela Hanke	Same as landowner	Yes	No	Yes	NR
Loukus	15	John Loukus	Same as landowner	No	No	No	No
Kotila	15	Jeffery & Iloni Kotila	Same as landowner	No	No	No	No
Copper Bowl Lanes	15	Copper Country, Inc.	Same as landowner	Yes ³	No	Yes	NR

NOTES:

AA – Area Assessment

AOI – Area of Investigation

FIELDS - U.S. EPA Field Environmental Decision Support team

NA – Not Applicable

NR – Not Required

U.S. EPA - United States Environmental Protection Agency

FOOTNOTES:

1 – Access granted under Administrative Order on Consent (Docket No. V-W-'94-C)

2 – Verbal approval only

3 – Visual inspection only – sampling not authorized

4 – Owner would like to be present for the inspection

5 - Property owner out of town during AA field work. May grant access if needed in the future.

Attachment A - Site Access Summary Table
Torch Lake Area Assessment
Keweenaw Peninsula, Michigan
September 20, 2007

Site/ Property Name	AOI Number	Landowner	Contact	Access Granted?	Access Denied?	START AA Completed	FIELDS Shoreline AA Completed
Dollar Bay "Wire Mill"	16	Lawrence Julio	Same as landowner	No	Yes	No	No
Dollar Bay Well Field	17						
	17	Osceola Township	Steve Karpiak	Yes	No	Yes	NR
(Uncovered Area Near #17)	17	Paul and Lois Milanowski	Same as landowner	Yes	No	Yes	NR
Building in Mason	18	Lakeshore Estates	Dave Jukuri	Yes	No	Yes	NR
Tamarack City Stampmill	20	Osceola Township	Steve Karpiak	Yes	No	NR	NR
Hubbell Beach/Slag Dump	21	Torch Lake Township	Brian Cadwell	Yes	No	Yes	Yes
Hubbell Docks/ Smelter Area/Coal Storage Area	22						
Docks/Coal Storage Area	22	Ken Buchanan Forest Products	Ken Buchanan	NR	NR	NR	NR
Mineral Building	22	Silver Shores Enterprise, Inc.	Bill Siler	Yes	No	Yes	NR
C&H Power Plant	23	Louis Meneguzzo	Same as landowner	Yes ²	No	Yes	NR
Former C&H Leach Plant	19						
Tony Burcar	19	Tony Burcar	Same as landowner	No	Yes	No	No
Whiteman Parcel	19	Richard &Guinivere Whiteman	Same as landowner	No ⁵	No	No	No
Traprock Slag Dump	25	Shoreline Development Group, Inc. (AKA Shoreline Development Co.)	Barbara Wilder	Yes ⁴	No	Yes	NR
Bootjack Stampsand	26	Shoreline Development Group, Inc. (AKA Shoreline Development Co.)	Barbara Wilder	Yes ⁴	No	Yes	NR
Drums at Various Locations (lake bottom)	27	NA	NA	NR	NR	NR	NR

NOTES:

AA – Area Assessment

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ATTACHMENT B

PHOTO LOG



Site: Torch Lake Area Assessment

Photo Number: 1

Date: September 7, 2007

Direction: West

Photographer: Nancy Posavatz

Subject: Shoreline at Clarence G. Hocking Trust property (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 2

Date: September 6, 2007

Direction: North

Photographer: Nancy Posavatz

Subject: Bulged, leaking drum at Copper Bowl property (AOI 15)



Site: Torch Lake Area Assessment
Photo Number: 3
Direction: North
Subject: Drum at Building in Mason (AOI 18)

Date: September 6, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 4
Direction: East
Subject: Building 2 at Building in Mason (AOI 18)

Date: September 6, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 5

Direction: North

Subject: Building at Building in Mason (AOI 18)

Date: September 6, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 6

Direction: West

Subject: Potential asbestos-containing material in the Building in Mason (AOI 18)

Date: September 6, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 7

Direction: West

Date: September 6, 2007

Photographer: Nancy Posavatz

Subject: Stained stamp sand and slag at Quincy Leach Plant (AOI 10)



Site: Torch Lake Area Assessment

Photo Number: 8

Direction: East

Date: September 6, 2007

Photographer: Nancy Posavatz

Subject: Possible location of underground storage tank at the Quincy Leach Plant (AOI 10)



Site: Torch Lake Area Assessment
Photo Number: 9
Direction: East
Subject: Beached, dilapidated dredge (AOI 10)

Date: September 6, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 10
Direction: Northeast
Subject: Mineral Building (AOI 22)

Date: September 7, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 11

Direction: Northeast

Subject: Screening location MineralB-6 at Mineral Building (AOI 22)

Date: September 7, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 12

Direction: Southwest

Subject: Debris pile near the Mineral Building (AOI 22)

Date: September 7, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 13

Direction: Southwest

Subject: Debris pile near the Mineral Building (AOI 22)

Date: September 7, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 14

Direction: Northeast

Subject: Drum at the Bootjack Stamp Sands (AOI 26)

Date: September 11, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 15

Direction: Northeast

Subject: Sawmill Pond area at the Bootjack Stamp Sands (AOI 26)

Date: September 11, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 16

Direction: West

Subject: Former Hubbell Dump (AOI 21)

Date: September 11, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 17

Direction: East

Subject: Gray, discolored soils at Former Houghton County Gas & Coke (AOI 15)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 18

Direction: South

Subject: Suspected former process pipe at Former Houghton County Gas & Coke (AOI 15)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 19

Direction: West

Date: September 10, 2007

Photographer: Nancy Posavatz

Subject: Interior of sandstone building at Former Houghton County Gas & Coke (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 20

Direction: East

Date: September 10, 2007

Photographer: Nancy Posavatz

Subject: Brown tar-like material at Former Houghton County Gas & Coke (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 21

Date: September 10, 2007

Direction: North

Photographer: Nancy Posavatz

Subject: Underground vault area at Former Houghton County Gas & Coke (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 22

Date: September 10, 2007

Direction: West

Photographer: Nancy Posavatz

Subject: Black, stained soils at Gay Stamp Sands (AOI 14)



Site: Torch Lake Area Assessment

Photo Number: 23

Direction: West

Subject: Building ruins at Gay Stamp Sands (AOI 14)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 24

Direction: West

Subject: Former conveyor belt at Gay Stamp Sands (AOI 14)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 25

Direction: North

Subject: Green-stained soils at Gay Stamp Sands (AOI 14)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 26

Direction: East

Subject: Smokestack at Gay Stamp Sands (AOI 14)

Date: September 10, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 27
Direction: Southeast
Subject: Gay Stamp Sands (AOI 14)

Date: September 10, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 28
Direction: West
Subject: Pile of asbestos-containing roofing material at Gay Stamp Sands (AOI 14)

Date: September 10, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 29
Direction: North
Subject: Hubbell Beach (AOI 21)

Date: September 10, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 30
Direction: West
Subject: Power plant building at C&H Power Plant Site (AOI 23)

Date: September 5, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 31
Direction: North
Subject: Property at the C&H Power Plant (AOI 23)

Date: September 5, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 32
Direction: West and down (basement level)
Subject: Partially submerged and leaking drums at C&H Power Plant (AOI 23)

Date: September 5, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 33
Direction: Southwest
Subject: Shoreline at C&H Power Plant (AOI 23)

Date: September 5, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 34
Direction: East
Subject: Storm drain at C&H Power Plant (AOI 23)

Date: September 5, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 35
Direction: North
Subject: Capped area at Dollar Bay (AOI 17)

Date: September 7, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 36
Direction: East
Subject: Shoreline at Dollar Bay, uncapped area (AOI 17)

Date: September 7, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 37
Direction: East
Subject: Dollar Bay Well Field (AOI 17)

Date: September 7, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment
Photo Number: 38
Direction: North
Subject: Former building footprint at the Calumet Stamp Mill, Lake Linden Sands (AOI 12)

Date: September 7, 2007
Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 39

Direction: Southeast

Subject: Copper Bowl (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 40

Direction: Southeast

Subject: Dollar Bay Well Field (AOI 17)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 41

Direction: Southwest

Subject: H&Y Marina (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 42

Direction: North

Subject: Hanke property (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 43

Direction: West

Subject: Julio Contracting (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 44

Direction: North

Subject: Bulging and leaking drums at Julio Contracting (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 45

Direction: North

Subject: Bulging above-ground storage tank (AST) at Julio Contracting (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 46

Direction: South

Subject: Julio Marine and Salvage (AOI 15.)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 47

Direction: Southwest

Date: September 12, 2007

Photographer: Nancy Posavatz

Subject: Pile of automobile gasoline tanks at the Julio Marine and Salvage (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 48

Direction: Southwest

Date: September 12, 2007

Photographer: Nancy Posavatz

Subject: Pile of electrical equipment at the Julio Marine and Salvage (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 49

Direction: West

Subject: Shoreline at the Julio Marine and Salvage (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 50

Direction: North

Subject: Stack of drums at the Julio Marine and Salvage (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 51

Date: September 12, 2007

Direction: South and down (ground surface)

Photographer: Nancy Posavatz

Subject: Tar seepage near Portage Lake at the Former Houghton County Gas & Coke (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 52

Date: September 12, 2007

Direction: West

Photographer: Nancy Posavatz

Subject: Shoreline at Julio Property (AOI 15)



Site: Torch Lake Area Assessment

Photo Number: 53

Direction: West

Subject: Large AST, possibly leaking, at Julio Property (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 54

Direction: South

Subject: Large excavator leaking hydraulic fluid at Julio Property (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 55

Direction: West

Subject: Sheen on surface of creek at Julio Contracting (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz



Site: Torch Lake Area Assessment

Photo Number: 56

Direction: East

Subject: Shoreline at Mickelsen property (AOI 15)

Date: September 12, 2007

Photographer: Nancy Posavatz

ATTACHMENT C
ANLYTICAL DATA AND VALIDATION REPORT



31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

September 25, 2007

Dan Capone
Weston Solutions of Illinois, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, IL 60061

TEL: (847) 918-4112
FAX (847) 918-4055

RE: Torch Lake SA - 20405.016.002.0274.00

Order No.: 0709373

Dear Dan Capone:

RTI Laboratories received 11 sample(s) on 9/14/2007 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Lynch", with a stylized flourish extending to the right.

Robert Lynch
Manager, Environmental Services



31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: 0709373
Date: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.
2. A Cover Letter that immediately precedes the Paginated Report.
3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.



31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-001
Client Sample ID Gay B - XRF6

Collection Date: 9/10/2007

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1221	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1232	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1242	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1248	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1254	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1260	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1262	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Total PCBs	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Surr: Decachlorobiphenyl	127	70-130		%REC	1	9/18/2007 6:44:07 AM
Surr: Tetrachloro-m-xylene	110	70-130		%REC	1	9/18/2007 6:44:07 AM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	8,200,000	94,000		µg/Kg-dry	1000	9/24/2007 12:00:27 PM
Arsenic	350,000	940		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Beryllium	520	4,700	J	µg/Kg-dry	100	9/21/2007 2:06:22 PM
Chromium	16,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Cobalt	13,000	4,700		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Copper	320,000,000	940,000		µg/Kg-dry	10000	9/24/2007 2:07:57 PM
Lead	290,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Lithium	3,000	940		µg/Kg-dry	10	9/24/2007 5:33:25 PM
Manganese	270,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Nickel	33,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Silver	220,000	95		µg/Kg-dry	10	9/19/2007 6:57:23 PM
Strontium	ND	230,000		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Zinc	180,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	1,300	43		µg/Kg-dry	2	9/18/2007 4:18:22 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-001

Matrix: SOIL

Client Sample ID Gay B - XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	11	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-002

Matrix: SOIL

Client Sample ID Gay B - XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1221	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1232	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1242	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1248	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1254	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1260	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1262	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Total PCBs	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Surr: Decachlorobiphenyl	122	70-130		%REC	1	9/18/2007 7:25:00 AM
Surr: Tetrachloro-m-xylene	107	70-130		%REC	1	9/18/2007 7:25:00 AM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	7,200,000	96,000		µg/Kg-dry	1000	9/24/2007 12:02:20 PM
Arsenic	670,000	960		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Beryllium	800	4,800	J	µg/Kg-dry	100	9/21/2007 2:13:35 PM
Chromium	45,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Cobalt	14,000	4,800		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Copper	430,000,000	960,000		µg/Kg-dry	10000	9/24/2007 3:10:42 PM
Lead	82,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Lithium	2,900	960		µg/Kg-dry	10	9/24/2007 5:38:42 PM
Manganese	200,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Nickel	39,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Silver	150,000	100		µg/Kg-dry	10	9/19/2007 7:02:23 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Zinc	97,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	630	16		µg/Kg-dry	1	9/18/2007 3:02:19 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

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Matrix: SOIL

Client Sample ID Gay B - XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	13	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



31628 Glendale St.
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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-003

Matrix: SOIL

Client Sample ID Gay B - XRF14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1221	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1232	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1242	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1248	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1254	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1260	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1262	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Total PCBs	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Surr: Decachlorobiphenyl	118	70-130		%REC	1	9/18/2007 8:05:34 AM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 8:05:34 AM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	11,000,000	81,000		µg/Kg-dry	1000	9/24/2007 12:04:12 PM
Arsenic	58,000	810		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Beryllium	ND	4,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Chromium	61,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Cobalt	12,000	4,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Copper	990,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Lead	850,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Lithium	5,000	810		µg/Kg-dry	10	9/24/2007 5:40:27 PM
Manganese	610,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Nickel	31,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Silver	940	100		µg/Kg-dry	10	9/19/2007 7:20:08 PM
Strontium	ND	200,000		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Zinc	14,000,000	81,000		µg/Kg-dry	1000	9/24/2007 4:10:00 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	26	21		µg/Kg-dry	1	9/18/2007 3:04:25 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-003

Matrix: SOIL

Client Sample ID Gay B - XRF14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	12	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Date Reported: 9/25/2007

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Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-004

Matrix: SOIL

Client Sample ID Gay B - XRF21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1221	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1232	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1242	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1248	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1254	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1260	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1262	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Total PCBs	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Surr: Decachlorobiphenyl	131	70-130	S	%REC	1	9/18/2007 8:46:00 AM
Surr: Tetrachloro-m-xylene	106	70-130		%REC	1	9/18/2007 8:46:00 AM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	7,600,000	97,000		µg/Kg-dry	1000	9/24/2007 12:06:04 PM
Arsenic	12,000	970		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Beryllium	ND	4,800		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Chromium	35,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Cobalt	7,500	4,800		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Copper	650,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Lead	61,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Lithium	6,600	970		µg/Kg-dry	10	9/24/2007 5:42:14 PM
Manganese	250,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Nickel	13,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Silver	1,100	98		µg/Kg-dry	10	9/19/2007 7:21:59 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Zinc	100,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	200	26		µg/Kg-dry	1	9/18/2007 3:06:04 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-004

Matrix: SOIL

Client Sample ID Gay B - XRF21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	18	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-005

Matrix: SOIL

Client Sample ID Gay B - XRF26

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082	Analyst: MB	
Aroclor 1016	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1221	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1232	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1242	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1248	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1254	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1260	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1262	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Total PCBs	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Surr: Decachlorobiphenyl	140	70-130	S	%REC	1	9/18/2007 2:11:05 PM
Surr: Tetrachloro-m-xylene	102	70-130		%REC	1	9/18/2007 2:11:05 PM
METALS, ICP/MS				SW6020A	Analyst: AB2	
Aluminum	6,700,000	110,000		µg/Kg-dry	1000	9/24/2007 12:07:57 PM
Arsenic	17,000	1,100		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Beryllium	ND	5,600		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Chromium	59,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Cobalt	17,000	5,600		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Copper	1,100,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Lead	310,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Lithium	3,900	1,100		µg/Kg-dry	10	9/24/2007 5:44:00 PM
Manganese	930,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Nickel	45,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Silver	1,200	130		µg/Kg-dry	10	9/19/2007 7:23:51 PM
Strontium	ND	280,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Zinc	4,300,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
MERCURY				SW7471A	Analyst: AB2	
Mercury	460	31		µg/Kg-dry	1	9/18/2007 3:11:07 PM
PERCENT MOISTURE				D2216	Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-005

Matrix: SOIL

Client Sample ID Gay B - XRF26

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	32	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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Analytical Report

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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1221	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1232	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1242	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1248	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1254	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1260	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1262	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Total PCBs	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Surr: Decachlorobiphenyl	85.1	70-130		%REC	1	9/18/2007 12:08:49 PM
Surr: Tetrachloro-m-xylene	98.7	70-130		%REC	1	9/18/2007 12:08:49 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	720,000	90,000		µg/Kg	1000	9/24/2007 12:55:14 PM
Arsenic	1,000	900		µg/Kg	100	9/21/2007 2:23:17 PM
Beryllium	ND	4,500		µg/Kg	100	9/21/2007 2:23:17 PM
Chromium	ND	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Cobalt	500	4,500	J	µg/Kg	100	9/21/2007 2:23:17 PM
Copper	350,000	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Lead	4,200	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM
Lithium	ND	900		µg/Kg	10	9/24/2007 5:45:47 PM
Manganese	16,000	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Nickel	1,500	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM
Silver	670	85		µg/Kg	10	9/19/2007 7:25:40 PM
Strontium	ND	230,000		µg/Kg	100	9/21/2007 2:23:17 PM
Zinc	7,900	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	30	25		µg/Kg	1	9/18/2007 3:12:47 PM
POLYNUCLEAR AROMATIC HYDROCARBONS SEMI-VOLATILE ORGANIC COMPOUNDS		SW8270C			Analyst: JW	

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYNUCLEAR AROMATIC HYDROCARBONS				SW8270C		Analyst: JW
SEMI-VOLATILE ORGANIC COMPOUNDS						
2-Methylnaphthalene	3,600,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Acenaphthene	400,000	960,000	J	µg/Kg	200	9/20/2007 3:13:00 PM
Acenaphthylene	4,900,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Anthracene	3,200,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(a)anthracene	2,500,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(a)pyrene	2,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(b)fluoranthene	2,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(g,h,i)perylene	1,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(k)fluoranthene	1,100,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Chrysene	1,800,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Dibenz(a,h)anthracene	270,000	960,000	J	µg/Kg	200	9/20/2007 3:13:00 PM
Fluoranthene	7,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Fluorene	3,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Indeno(1,2,3-cd)pyrene	1,200,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Naphthalene	21,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Phenanthrene	11,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Pyrene	7,900,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Surr: 2,4,6-Tribromophenol	0	25-93.9	S	%REC	200	9/20/2007 3:13:00 PM
Surr: 2-Fluorobiphenyl	44.0	26-105		%REC	200	9/20/2007 3:13:00 PM
Surr: 2-Fluorophenol	36.0	25-120		%REC	200	9/20/2007 3:13:00 PM
Surr: Nitrobenzene-d5	32.0	30.1-104		%REC	200	9/20/2007 3:13:00 PM
Surr: Phenol-d5	44.0	25-118		%REC	200	9/20/2007 3:13:00 PM
Surr: Terphenyl-d14	68.0	27.1-115		%REC	200	9/20/2007 3:13:00 PM

VOLATILE ORGANIC COMPOUNDS

SW8260B

Analyst: MT3

1,1,1,2-Tetrachloroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,1-Trichloroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2,2-Tetrachloroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2-Trichloroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloroethane	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloroethene	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloropropene	ND	200,000	µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				SW8260B	Analyst: MT3	
1,2,3-Trichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,3-Trichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,3-Trimethylbenzene	92,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,4-Trichlorobenzene	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,4-Trimethylbenzene	260,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dibromo-3-chloropropane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,3,5-Trimethylbenzene	100,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
1,3-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,3-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,4-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2,2-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Chloroethyl vinyl ether	ND	2,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Chlorotoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Hexanone	ND	10,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Methylnaphthalene	3,200,000	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Nitropropane	ND	800,000		µg/Kg	200000	9/22/2007 3:15:00 PM
4-Chlorotoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Acetone	630,000	10,000,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
Acrylonitrile	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Benzene	1,200,000	120,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromochloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromodichloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromoform	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromomethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Carbon disulfide	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Carbon tetrachloride	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloroethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloroform	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				SW8260B	Analyst: MT3	
cis-1,2-Dichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
cis-1,3-Dichloropropene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dibromochloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dibromomethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dichlorodifluoromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dichloromethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Diethyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Ethyl methacrylate	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Ethylbenzene	80,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
Ethylene dibromide	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Hexachlorobutadiene	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Hexachloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Isopropyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Isopropylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
m,p-Xylene	520,000	400,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl ethyl ketone	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl Iodide	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl isobutyl ketone	ND	2,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl tert-butyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Naphthalene	29,000,000	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
n-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
n-Propylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
o-Xylene	210,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
p-Isopropyltoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
sec-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Styrene	210,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
t-Butyl alcohol	ND	8,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Amyl Methyl Ether	ND	800,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Butyl Ethyl Ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Tetrachloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Toluene	640,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
trans-1,2-Dichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
trans-1,3-Dichloropropene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS				SW8260B	Analyst: MT3	
trans-1,4-Dichloro-2-butene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Trichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Trichlorofluoromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Vinyl chloride	ND	160,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Xylenes, Total	730,000	600,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Surr: 4-Bromofluorobenzene	114	90-115		%REC	200000	9/22/2007 3:15:00 PM
Surr: Dibromofluoromethane	117	88.4-108	S	%REC	200000	9/22/2007 3:15:00 PM
Surr: Toluene-d8	109	90-112		%REC	200000	9/22/2007 3:15:00 PM
CYANIDE				SW9012A	Analyst: JT	
Cyanide, Total	3.5	0.12		mg/Kg	1	9/21/2007

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-007

Matrix: SOIL

Client Sample ID Calument XRF 16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1221	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1232	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1242	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1248	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1254	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1260	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1262	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Total PCBs	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Surr: Decachlorobiphenyl	499	70-130	S	%REC	1	9/18/2007 2:51:43 PM
Surr: Tetrachloro-m-xylene	102	70-130		%REC	1	9/18/2007 2:51:43 PM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	13,000,000	140,000		µg/Kg-dry	1000	9/24/2007 12:09:49 PM
Arsenic	36,000	1,400		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Beryllium	1,600	6,800	J	µg/Kg-dry	100	9/21/2007 2:30:34 PM
Chromium	28,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Cobalt	18,000	6,800		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Copper	10,000,000	140,000		µg/Kg-dry	1000	9/25/2007 4:11:17 PM
Lead	1,100,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Lithium	9,700	1,400		µg/Kg-dry	10	9/24/2007 5:54:00 PM
Manganese	740,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Nickel	49,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Silver	2,400	150		µg/Kg-dry	10	9/19/2007 7:27:28 PM
Strontium	ND	340,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Zinc	420,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	230	43		µg/Kg-dry	1	9/18/2007 3:14:27 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-007

Matrix: SOIL

Client Sample ID Calument XRF 16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	42	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-008
Client Sample ID Mason XRF6

Collection Date: 9/6/2007

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1221	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1232	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1242	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1248	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1254	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1260	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1262	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Total PCBs	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Surr: Decachlorobiphenyl	112	70-130		%REC	1	9/18/2007 12:49:42 PM
Surr: Tetrachloro-m-xylene	99.7	70-130		%REC	1	9/18/2007 12:49:42 PM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	16,000,000	96,000		µg/Kg-dry	1000	9/24/2007 12:11:41 PM
Arsenic	6,700	960		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Beryllium	750	4,800	J	µg/Kg-dry	100	9/21/2007 2:33:00 PM
Chromium	8,200	9,600	J	µg/Kg-dry	100	9/21/2007 2:33:00 PM
Cobalt	17,000	4,800		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Copper	1,900,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Lead	1,100,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Lithium	7,100	960		µg/Kg-dry	10	9/24/2007 5:55:48 PM
Manganese	790,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Nickel	31,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Silver	5,300	100		µg/Kg-dry	10	9/19/2007 7:29:17 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Zinc	110,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	510	28		µg/Kg-dry	1	9/18/2007 3:16:08 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/6/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-008

Matrix: SOIL

Client Sample ID Mason XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	14	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-009
Client Sample ID Mineral XRF11

Collection Date: 9/7/2007

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082		Analyst: MB
Aroclor 1016	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1221	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1232	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1242	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1248	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1254	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1260	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1262	24	68	J	µg/Kg-dry	1	9/18/2007 9:26:29 AM
Total PCBs	24	68	J	µg/Kg-dry	1	9/18/2007 9:26:29 AM
Surr: Decachlorobiphenyl	94.9	70-130		%REC	1	9/18/2007 9:26:29 AM
Surr: Tetrachloro-m-xylene	84.3	70-130		%REC	1	9/18/2007 9:26:29 AM

METALS, ICP/MS				SW6020A		Analyst: AB2
Aluminum	6,200,000	73,000		µg/Kg-dry	1000	9/24/2007 12:13:34 PM
Arsenic	52,000	730		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Beryllium	500	3,600	J	µg/Kg-dry	100	9/21/2007 2:35:26 PM
Chromium	6,900	7,300	J	µg/Kg-dry	100	9/21/2007 2:35:26 PM
Cobalt	6,900	3,600		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Copper	17,000,000	73,000		µg/Kg-dry	1000	9/24/2007 2:12:11 PM
Lead	280,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Lithium	4,700	730		µg/Kg-dry	10	9/24/2007 5:57:35 PM
Manganese	180,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Nickel	24,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Silver	5,000	90		µg/Kg-dry	10	9/19/2007 7:31:05 PM
Strontium	ND	180,000		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Zinc	490,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM

MERCURY				SW7471A		Analyst: AB2
Mercury	100	17		µg/Kg-dry	1	9/18/2007 3:17:47 PM

PERCENT MOISTURE				D2216		Analyst: JE
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-009

Matrix: SOIL

Client Sample ID Mineral XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	2.3	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-010
Client Sample ID Mason XRF10

Collection Date: 9/6/2007

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Total PCBs	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Surr: Decachlorobiphenyl	130	70-130		%REC	1	9/18/2007 10:07:02 AM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 10:07:02 AM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	21,000,000	72,000		µg/Kg-dry	1000	9/24/2007 12:15:27 PM
Arsenic	1,700	720		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Beryllium	ND	3,600		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Chromium	10,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Cobalt	17,000	3,600		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Copper	19,000,000	72,000		µg/Kg-dry	1000	9/24/2007 2:14:06 PM
Lead	200,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Lithium	3,400	720		µg/Kg-dry	10	9/24/2007 5:59:21 PM
Manganese	520,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Nickel	32,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Silver	5,400	70		µg/Kg-dry	10	9/19/2007 7:32:54 PM
Strontium	ND	180,000		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Zinc	110,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	120	23		µg/Kg-dry	1	9/18/2007 3:19:24 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



RTI LABORATORIES, INC.

31628 Glendale St.
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TEL: 734.422.8000
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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/6/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-010

Matrix: SOIL

Client Sample ID Mason XRF10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	4.5	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-011
Client Sample ID Mineral XRF6

Collection Date: 9/7/2007

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1221	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1232	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1242	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1248	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1254	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1260	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1262	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Total PCBs	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Surr: Decachlorobiphenyl	122	70-130		%REC	1	9/18/2007 1:30:34 PM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 1:30:34 PM

METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	3,200,000	64,000		µg/Kg-dry	1000	9/24/2007 12:57:08 PM
Arsenic	230,000	640		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Beryllium	ND	3,200		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Chromium	56,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Cobalt	48,000	3,200		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Copper	44,000,000	640,000		µg/Kg-dry	10000	9/24/2007 3:12:37 PM
Lead	1,900,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Lithium	ND	640		µg/Kg-dry	10	9/24/2007 6:01:06 PM
Manganese	73,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Nickel	540,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Silver	9,000	87		µg/Kg-dry	10	9/19/2007 7:34:43 PM
Strontium	ND	160,000		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Zinc	5,400,000	64,000		µg/Kg-dry	1000	9/24/2007 4:01:23 PM

MERCURY		SW7471A			Analyst: AB2	
Mercury	22	14		µg/Kg-dry	1	9/18/2007 3:32:39 PM

PERCENT MOISTURE		D2216			Analyst: JE	
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Qualifiers:	* / X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	M	Manual Integration used to determine area response
	ND	Not Detected at the Reporting Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-011

Matrix: SOIL

Client Sample ID Mineral XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	6.4	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT**TestCode: PMOIST**

Sample ID: 0709373-010ADUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date:	RunNo: 16264						
Client ID: Mason XRF10	Batch ID: R16264	TestNo: D2216		Analysis Date: 9/17/2007	SeqNo: 257565						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.2	1.0						4.494	13.8	20	

Sample ID: 0709387-010ADUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date:	RunNo: 16264						
Client ID: ZZZZZZ	Batch ID: R16264	TestNo: D2216		Analysis Date: 9/17/2007	SeqNo: 257577						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.1	1.0						9.963	9.15	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: LCS-8390	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: LCSS	Batch ID: 8390	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	1,100	100	1,000	0	109	80	120				
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Sample ID: MB-8390	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: PBS	Batch ID: 8390	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	ND	10									
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Sample ID: 0709373-001A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259885						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	4,300,000	9,000	45,070	5,375,000	-2,470	75	125				S
Arsenic	370,000	900	45,070	354,700	27.5	75	125				S
Beryllium	44,000	4,500	45,070	521.9	97.0	75	125				
Chromium	65,000	9,000	45,070	16,440	109	75	125				
Cobalt	53,000	4,500	45,070	13,140	89.5	75	125				
Copper	270,000,000	9,000	45,070	277,700,000	-22,100	75	125				S
Lead	250,000	9,000	45,070	291,000	-97.6	75	125				S
Manganese	250,000	9,000	45,070	272,500	-57.1	75	125				S
Nickel	67,000	9,000	45,070	32,890	75.9	75	125				
Zinc	170,000	9,000	45,070	182,700	-33.3	75	125				S

Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259886						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	5,300,000	10,000	50,300	5,375,000	-125	75	125	4,261,000	21.9	25	S
Arsenic	510,000	1,000	50,300	354,700	301	75	125	367,100	31.8	25	SR
Beryllium	55,000	5,000	50,300	521.9	108	75	125	44,250	21.3	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259886						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	78,000	10,000	50,300	16,440	122	75	125	65,360	17.6	25	
Cobalt	62,000	5,000	50,300	13,140	96.8	75	125	53,470	14.5	25	
Copper	370,000,000	10,000	50,300	277,700,000	188,000	75	125	267,700,000	32.6	25	SR
Lead	380,000	10,000	50,300	291,000	170	75	125	247,000	41.6	25	SR
Manganese	280,000	10,000	50,300	272,500	18.8	75	125	246,800	13.3	25	S
Nickel	80,000	10,000	50,300	32,890	93.8	75	125	67,130	17.6	25	
Zinc	230,000	10,000	50,300	182,700	98.4	75	125	167,600	32.3	25	R

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	1,000	1,000	1,000	0	102	80	120				
Arsenic	1,000	100	1,000	0	102	80	120				
Beryllium	1,000	500	1,000	0	100	80	120				
Chromium	1,000	1,000	1,000	0	104	80	120				
Cobalt	1,000	500	1,000	0	104	80	120				
Copper	1,000	1,000	1,000	0	105	80	120				
Lead	980	1,000	1,000	0	97.9	80	120				J
Manganese	1,000	1,000	1,000	0	104	80	120				
Nickel	1,000	1,000	1,000	0	102	80	120				
Zinc	950	1,000	1,000	0	94.8	80	120				J

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	100									
Arsenic	ND	10									
Beryllium	ND	50									
Chromium	ND	100									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cobalt	ND	50
Copper	ND	100
Lead	ND	100
Manganese	ND	100
Nickel	ND	100
Strontium	ND	2,500
Zinc	ND	100

Sample ID: LCS-8389		SampType: LCS		TestCode: SW_6020S		Units: µg/Kg		Prep Date: 9/17/2007		RunNo: 16410			
Client ID: LCSS		Batch ID: 8389		TestNo: SW6020A				Analysis Date: 9/24/2007		SeqNo: 260416			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	980	1,000	1,000	0	98.0	80	120				J
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Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	100
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Sample ID: 0709373-001A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	54,000	900	45,070	2,975	114	75	125				
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Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: Gay B - XRF6	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	59,000	1,000	50,300	2,975	112	75	125	54,490	8.42	25	
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Sample ID: LCS-8389		SampType: LCS		TestCode: SW_6020S		Units: µg/Kg		Prep Date: 9/17/2007		RunNo: 16410			
Client ID: LCSS		Batch ID: 8389		TestNo: SW6020A				Analysis Date: 9/24/2007		SeqNo: 260622			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	1,200	1,000	1,000	0	115	80	120				
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Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260624						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	ND	100									
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Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 261241						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	1,000	1,000	0	0	80	120				S
Arsenic	ND	100	1,000	0	0	80	120				S
Beryllium	ND	500	1,000	0	0	80	120				S
Chromium	ND	1,000	1,000	0	0	80	120				S
Cobalt	ND	500	1,000	0	0	80	120				S
Copper	ND	1,000	1,000	0	0	80	120				S
Lead	ND	1,000	1,000	0	0	80	120				S
Manganese	1,100	1,000	1,000	0	109	80	120				
Nickel	ND	1,000	1,000	0	0	80	120				S
Silver	ND	100	1,000	0	0	80	120				S
Zinc	1,000	1,000	1,000	0	105	80	120				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 261242						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	100									
Arsenic	ND	10									
Beryllium	ND	50									
Chromium	ND	100									
Cobalt	ND	50									
Copper	ND	100									
Lead	ND	100									
Lithium	ND	100									
Manganese	ND	100									
Nickel	ND	100									
Silver	ND	10									
Strontium	ND	2,500									
Zinc	ND	100									

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: MB-8401	SampType: MBLK	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: PBS	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257909						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 16

Sample ID: LCS-8401	SampType: LCS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: LCSS	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257910						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 170 17 166.7 0 104 80 120

Sample ID: 0709345-003A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 320 23 231.6 122.9 83.3 80 120

Sample ID: 0709345-003A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257913						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 330 22 215.6 122.9 97.1 80 120 315.7 5.06 25

Sample ID: 0709361-006B-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257926						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 930 25 248.9 866.8 26.2 80 120 S

Sample ID: 0709361-006B-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation lin
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: 0709361-006B-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8401	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	960	27	270.5	866.8	36.0	80	120	931.9	3.42	25	S
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Sample ID: MB-8402	SampType: MBLK	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: PBS	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257939						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	24									
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Sample ID: LCS-8402	SampType: LCS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: LCSS	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257940						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	190	21	208.3	0	91.3	80	120				
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Sample ID: 0709387-001A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257942						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	260	21	209.9	52.07	99.6	80	120				
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Sample ID: 0709387-001A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257945						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	310	25	246.4	52.07	104	80	120	261.1	16.5	25	
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Sample ID: 0709421-001A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257958						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: 0709421-001A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257958						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	370	13	128.2	187.1	141	80	120				S
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Sample ID: 0709421-001A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257959						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	360	15	147.1	187.1	120	80	120	367.8	1.27	25	
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Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: lcs-8383	SampType: LCS	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: LCSS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257552						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	33	166.7	0	103	70	130				
Aroclor 1260	180	33	166.7	0	106	70	130				
AROCLOR-1016-1	170	33	166.7	0	102	70	130				
AROCLOR-1016-2	170	33	166.7	0	102	70	130				
AROCLOR-1016-3	160	33	166.7	0	98.2	70	130				
AROCLOR-1016-4	180	33	166.7	0	110	70	130				
AROCLOR-1016-5	170	33	166.7	0	105	70	130				
AROCLOR-1260-1	170	33	166.7	0	101	70	130				
AROCLOR-1260-2	170	33	166.7	0	103	70	130				
AROCLOR-1260-3	190	33	166.7	0	111	70	130				
AROCLOR-1260-4	180	33	166.7	0	111	70	130				
AROCLOR-1260-5	170	33	166.7	0	103	70	130				
Surr: Decachlorobiphenyl	9.5		8.300		114	70	130				
Surr: Tetrachloro-m-xylene	8.9		8.300		108	70	130				

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Total PCBs	ND	33									
AROCLOR-1016-1	ND	33									
AROCLOR-1016-2	ND	33									
AROCLOR-1016-3	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1016-4	ND	33									
AROCLOR-1016-5	ND	33									
AROCLOR-1221-1	ND	33									
AROCLOR-1221-2	ND	33									
AROCLOR-1221-3	ND	33									
AROCLOR-1221-4	ND	33									
AROCLOR-1221-5	ND	33									
AROCLOR-1232-1	ND	33									
AROCLOR-1232-2	ND	33									
AROCLOR-1232-3	ND	33									
AROCLOR-1232-4	ND	33									
AROCLOR-1232-5	ND	33									
AROCLOR-1242-1	ND	33									
AROCLOR-1242-2	ND	33									
AROCLOR-1242-3	ND	33									
AROCLOR-1242-4	ND	33									
AROCLOR-1242-5	ND	33									
AROCLOR-1248-1	ND	33									
AROCLOR-1248-2	ND	33									
AROCLOR-1248-3	ND	33									
AROCLOR-1248-4	ND	33									
AROCLOR-1248-5	ND	33									
AROCLOR-1254-1	ND	33									
AROCLOR-1254-2	ND	33									
AROCLOR-1254-3	ND	33									
AROCLOR-1254-4	ND	33									
AROCLOR-1254-5	ND	33									
AROCLOR-1260-1	ND	33									
AROCLOR-1260-2	ND	33									
AROCLOR-1260-3	ND	33									
AROCLOR-1260-4	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

AROCLOR-1260-5	ND	33									
AROCLOR-1262-1	ND	33									
AROCLOR-1262-2	ND	33									
AROCLOR-1262-3	ND	33									
AROCLOR-1262-4	ND	33									
AROCLOR-1262-5	ND	33									
Surr: Decachlorobiphenyl	9.7		8.300		117	70	130				
Surr: Tetrachloro-m-xylene	9.2		8.300		111	70	130				

Sample ID: 0709387-006a-ms	SampType: ms	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: ZZZZZZ	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258437						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	170	36	183.0	0	94.8	70	130				
Aroclor 1260	220	36	183.0	0	121	70	130				
AROCLOR-1016-1	160	36	183.0	0	88.8	70	130				
AROCLOR-1016-2	170	36	183.0	0	90.5	70	130				
AROCLOR-1016-3	160	36	183.0	0	86.7	70	130				
AROCLOR-1016-4	190	36	183.0	0	102	70	130				
AROCLOR-1016-5	190	36	183.0	0	106	70	130				
AROCLOR-1260-1	220	36	183.0	0	120	70	130				
AROCLOR-1260-2	220	36	183.0	0	118	70	130				
AROCLOR-1260-3	220	36	183.0	0	121	70	130				
AROCLOR-1260-4	230	36	183.0	0	127	70	130				
AROCLOR-1260-5	220	36	183.0	0	120	70	130				
Surr: Decachlorobiphenyl	12		9.114		127	70	130				
Surr: Tetrachloro-m-xylene	10		9.114		110	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: 0709387-006a-msd	SampType: msd	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: ZZZZZZ	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258438						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	36	183.0	0	87.5	17.2	175	173.4	7.92	25	
Aroclor 1260	220	36	183.0	0	121	51.6	142	221.6	0.328	25	
AROCLOR-1016-1	150	36	183.0	0	83.5	40.4	138	162.6	0	25	
AROCLOR-1016-2	150	36	183.0	0	83.9	45.1	146	165.6	0	25	
AROCLOR-1016-3	150	36	183.0	0	79.5	41.2	140	158.8	0	25	
AROCLOR-1016-4	170	36	183.0	0	90.7	48.8	137	185.8	0	25	
AROCLOR-1016-5	180	36	183.0	0	100	40	138	194.3	0	25	
AROCLOR-1260-1	220	36	183.0	0	122	62	144	219.5	0	25	
AROCLOR-1260-2	210	36	183.0	0	117	46.5	149	215.7	0	25	
AROCLOR-1260-3	210	36	183.0	0	117	50.6	147	221.4	0	25	
AROCLOR-1260-4	230	36	183.0	0	127	40.3	143	232.5	0	25	
AROCLOR-1260-5	220	36	183.0	0	120	38.8	150	218.9	0	25	
Surr: Decachlorobiphenyl	11		9.114		118	66.8	151		0	25	
Surr: Tetrachloro-m-xylene	9.4		9.114		103	49.4	143		0	25	

Sample ID: 0709387-010a-ms	SampType: ms	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: ZZZZZZ	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/18/2007	SeqNo: 258443						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	37	185.1	0	92.0	70	130				
Aroclor 1260	200	37	185.1	0	110	70	130				
AROCLOR-1016-1	150	37	185.1	0	79.5	70	130				
AROCLOR-1016-2	160	37	185.1	0	87.7	70	130				
AROCLOR-1016-3	180	37	185.1	0	95.9	70	130				
AROCLOR-1016-4	180	37	185.1	0	98.1	70	130				
AROCLOR-1016-5	180	37	185.1	0	99.1	70	130				
AROCLOR-1260-1	190	37	185.1	0	103	70	130				
AROCLOR-1260-2	190	37	185.1	0	105	70	130				
AROCLOR-1260-3	210	37	185.1	0	116	70	130				
AROCLOR-1260-4	220	37	185.1	0	117	70	130				
AROCLOR-1260-5	200	37	185.1	0	110	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: 0709387-010a-ms	SampType: ms	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: ZZZZZZ	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/18/2007	SeqNo: 258443						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Decachlorobiphenyl	13		9.218		136	70	130				S
Surr: Tetrachloro-m-xylene	9.7		9.218		105	70	130				

Sample ID: 0709387-010a-msd	SampType: msd	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: ZZZZZZ	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/18/2007	SeqNo: 258444						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	170	37	185.1	0	94.1	17.2	175	170.4	2.16	25	
Aroclor 1260	210	37	185.1	0	113	51.6	142	203.8	2.99	25	
AROCOLOR-1016-1	150	37	185.1	0	81.1	40.4	138	147.2	0	25	
AROCOLOR-1016-2	170	37	185.1	0	89.4	45.1	146	162.3	0	25	
AROCOLOR-1016-3	180	37	185.1	0	98.2	41.2	140	177.4	0	25	
AROCOLOR-1016-4	190	37	185.1	0	100	48.8	137	181.6	0	25	
AROCOLOR-1016-5	190	37	185.1	0	102	40	138	183.5	0	25	
AROCOLOR-1260-1	190	37	185.1	0	103	62	144	189.8	0	25	
AROCOLOR-1260-2	200	37	185.1	0	109	46.5	149	194.7	0	25	
AROCOLOR-1260-3	220	37	185.1	0	120	50.6	147	214.6	0	25	
AROCOLOR-1260-4	220	37	185.1	0	121	40.3	143	216.4	0	25	
AROCOLOR-1260-5	210	37	185.1	0	115	38.8	150	203.4	0	25	
Surr: Decachlorobiphenyl	0		9.218		0	66.8	151		0	25	S
Surr: Tetrachloro-m-xylene	9.8		9.218		107	49.4	143		0	25	

Sample ID: lcs-8381		SampType: lcs		TestCode: sw_8082s		Units: µg/Kg		Prep Date: 9/16/2007		RunNo: 16263			
Client ID: LCSS		Batch ID: 8381		TestNo: SW8082				Analysis Date: 9/17/2007		SeqNo: 258466			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	180	33	166.7	0	111	70	130				
Aroclor 1260	180	33	166.7	0	105	70	130				
AROCOLOR-1016-1	160	33	166.7	0	97.3	70	130				
AROCOLOR-1016-2	180	33	166.7	0	108	70	130				
AROCOLOR-1016-3	150	33	166.7	0	91.8	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: lcs-8381	SampType: lcs	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: LCSS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258466						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1016-4	170	33	166.7	0	102	70	130				S
AROCLOR-1016-5	260	33	166.7	0	155	70	130				
AROCLOR-1260-1	160	33	166.7	0	96.5	70	130				
AROCLOR-1260-2	170	33	166.7	0	103	70	130				
AROCLOR-1260-3	180	33	166.7	0	110	70	130				
AROCLOR-1260-4	180	33	166.7	0	110	70	130				
AROCLOR-1260-5	180	33	166.7	0	106	70	130				
Surr: Decachlorobiphenyl	9.5		8.300		115	70	130				
Surr: Tetrachloro-m-xylene	8.2		8.300		98.4	70	130				

Sample ID: mb-8381	SampType: mblik	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Total PCBs	ND	33									
AROCLOR-1016-1	ND	33									
AROCLOR-1016-2	ND	33									
AROCLOR-1016-3	ND	33									
AROCLOR-1016-4	ND	33									
AROCLOR-1016-5	ND	33									
AROCLOR-1221-1	ND	33									
AROCLOR-1221-2	ND	33									
AROCLOR-1221-3	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8381	SampType: mblk	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1221-4	ND	33									
AROCLOR-1221-5	ND	33									
AROCLOR-1232-1	ND	33									
AROCLOR-1232-2	ND	33									
AROCLOR-1232-3	ND	33									
AROCLOR-1232-4	ND	33									
AROCLOR-1232-5	ND	33									
AROCLOR-1242-1	ND	33									
AROCLOR-1242-2	ND	33									
AROCLOR-1242-3	ND	33									
AROCLOR-1242-4	ND	33									
AROCLOR-1242-5	ND	33									
AROCLOR-1248-1	ND	33									
AROCLOR-1248-2	ND	33									
AROCLOR-1248-3	ND	33									
AROCLOR-1248-4	ND	33									
AROCLOR-1248-5	ND	33									
AROCLOR-1254-1	ND	33									
AROCLOR-1254-2	ND	33									
AROCLOR-1254-3	ND	33									
AROCLOR-1254-4	ND	33									
AROCLOR-1254-5	ND	33									
AROCLOR-1260-1	ND	33									
AROCLOR-1260-2	ND	33									
AROCLOR-1260-3	ND	33									
AROCLOR-1260-4	ND	33									
AROCLOR-1260-5	ND	33									
AROCLOR-1262-1	ND	33									
AROCLOR-1262-2	ND	33									
AROCLOR-1262-3	ND	33									
AROCLOR-1262-4	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8381	SampType: mblk	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1262-5	ND	33									
Surr: Decachlorobiphenyl	9.0		8.300		109	70	130				
Surr: Tetrachloro-m-xylene	8.4		8.300		101	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260307						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	460	50	500.0	0	92.7	70	130				
1,1,1-Trichloroethane	490	50	500.0	0	98.9	70	130				
1,1,2,2-Tetrachloroethane	450	50	500.0	0	90.5	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	390	50	500.0	0	77.5	70	130				
1,1,2-Trichloroethane	430	50	500.0	0	85.4	70	130				
1,1-Dichloroethane	530	50	500.0	0	106	70	130				
1,1-Dichloroethene	530	50	500.0	0	105	70	130				
1,1-Dichloropropene	450	50	500.0	0	89.2	70	130				
1,2,3-Trichlorobenzene	420	50	500.0	0	85.0	70	130				
1,2,3-Trichloropropane	390	50	500.0	0	78.1	70	130				
1,2,3-Trimethylbenzene	430	50	500.0	0	86.0	70	130				
1,2,4-Trichlorobenzene	430	250	500.0	0	86.9	70	130				
1,2,4-Trimethylbenzene	450	50	500.0	0	90.6	70	130				
1,2-Dibromo-3-chloropropane	390	250	500.0	0	78.8	70	130				
1,2-Dichlorobenzene	450	50	500.0	0	90.8	70	130				
1,2-Dichloroethane	590	50	500.0	0	117	70	130				
1,2-Dichloropropane	460	50	500.0	0	92.3	70	130				
1,3,5-Trimethylbenzene	460	50	500.0	0	92.2	70	130				
1,3-Dichlorobenzene	480	50	500.0	0	96.2	70	130				
1,3-Dichloropropane	460	50	500.0	0	92.7	70	130				
1,4-Dichlorobenzene	450	50	500.0	0	90.8	70	130				
2,2-Dichloropropane	470	50	500.0	0	94.4	70	130				
2-Chloroethyl vinyl ether	440	500	500.0	0	87.9	70	130				J
2-Chlorotoluene	440	50	500.0	0	87.4	70	130				
2-Hexanone	440	2,500	500.0	0	88.2	70	130				J
2-Methylnaphthalene	450	250	500.0	0	89.3	70	130				
2-Nitropropane	390	200	500.0	0	78.8	70	130				
4-Chlorotoluene	450	50	500.0	0	90.6	70	130				
Acetone	480	2,500	500.0	0	95.9	70	130				J
Acrylonitrile	480	250	500.0	0	95.7	70	130				
Benzene	440	30	500.0	0	88.7	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007	SeqNo: 260307							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	460	50	500.0	0	92.3	70	130				
Bromochloromethane	510	50	500.0	0	101	70	130				
Bromodichloromethane	480	50	500.0	0	95.8	70	130				
Bromoform	430	50	500.0	0	85.9	70	130				
Bromomethane	820	250	500.0	0	165	70	130				S
Carbon disulfide	470	250	500.0	0	93.6	70	130				
Carbon tetrachloride	480	50	500.0	0	95.9	70	130				
Chlorobenzene	430	50	500.0	0	85.8	70	130				
Chloroethane	700	250	500.0	0	141	70	130				S
Chloroform	490	50	500.0	0	98.7	70	130				
Chloromethane	420	50	500.0	0	83.6	70	130				
cis-1,2-Dichloroethene	480	50	500.0	0	95.4	70	130				
cis-1,3-Dichloropropene	430	50	500.0	0	85.2	70	130				
Dibromochloromethane	470	50	500.0	0	94.3	70	130				
Dibromomethane	480	50	500.0	0	96.3	70	130				
Dichlorodifluoromethane	380	50	500.0	0	76.3	70	130				
Dichloromethane	540	250	500.0	0	107	70	130				
Diethyl ether	520	250	500.0	0	103	70	130				
Ethyl methacrylate	430	50	500.0	0	86.1	70	130				
Ethylbenzene	460	50	500.0	0	91.2	70	130				
Ethylene dibromide	480	50	500.0	0	95.0	70	130				
Hexachlorobutadiene	500	250	500.0	0	99.3	70	130				
Hexachloroethane	270	50	500.0	0	54.3	70	130				S
Isopropyl ether	550	250	500.0	0	110	70	130				
Isopropylbenzene	460	50	500.0	0	91.9	70	130				
m,p-Xylene	920	100	1,000	0	91.5	70	130				
Methyl ethyl ketone	470	250	500.0	0	93.7	70	130				
Methyl Iodide	540	250	500.0	0	108	70	130				
Methyl isobutyl ketone	460	500	500.0	0	92.5	70	130				J
Methyl tert-butyl ether	1,100	250	1,000	0	106	70	130				
Naphthalene	420	250	500.0	0	84.4	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:					RunNo: 16416		
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007					SeqNo: 260307			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butylbenzene	430	50	500.0	0	86.2	70	130				
n-Propylbenzene	450	50	500.0	0	90.8	70	130				
o-Xylene	440	50	500.0	0	87.2	70	130				
p-Isopropyltoluene	460	50	500.0	0	91.6	70	130				
sec-Butylbenzene	440	50	500.0	0	88.0	70	130				
Styrene	460	50	500.0	0	91.3	70	130				
t-Butyl alcohol	2,800	2,000	2,500	0	111	70	130				
tert-Amyl Methyl Ether	470	200	500.0	0	93.3	70	130				
tert-Butyl Ethyl Ether	530	250	500.0	0	107	70	130				
tert-Butylbenzene	450	50	500.0	0	90.0	70	130				
Tetrachloroethene	470	50	500.0	0	94.1	70	130				
Toluene	440	50	500.0	0	87.5	70	130				
trans-1,2-Dichloroethene	530	50	500.0	0	106	70	130				
trans-1,3-Dichloropropene	430	50	500.0	0	85.2	70	130				
trans-1,4-Dichloro-2-butene	470	50	500.0	0	94.0	70	130				
Trichloroethene	440	50	500.0	0	88.6	70	130				
Trichlorofluoromethane	190	50	500.0	0	37.7	70	130				S
Vinyl chloride	460	40	500.0	0	91.6	70	130				
Xylenes, Total	1,400	150	1,500	0	90.1	70	130				
Surr: 4-Bromofluorobenzene	2,900		2,500		117	90	115				S
Surr: Dibromofluoromethane	2,900		2,500		116	88.4	108				S
Surr: Toluene-d8	2,700		2,500		109	90	112				

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	50									
1,1,1-Trichloroethane	ND	50									
1,1,2,2-Tetrachloroethane	ND	50									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	50									
1,1-Dichloroethane	ND	50									
1,1-Dichloroethene	ND	50									
1,1-Dichloropropene	ND	50									
1,2,3-Trichlorobenzene	ND	50									
1,2,3-Trichloropropane	ND	50									
1,2,3-Trimethylbenzene	ND	50									
1,2,4-Trichlorobenzene	ND	250									
1,2,4-Trimethylbenzene	ND	50									
1,2-Dibromo-3-chloropropane	ND	250									
1,2-Dichlorobenzene	ND	50									
1,2-Dichloroethane	ND	50									
1,2-Dichloropropane	ND	50									
1,3,5-Trimethylbenzene	ND	50									
1,3-Dichlorobenzene	ND	50									
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	320	2,500									J
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	56	250									J
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	ND	250									
Methyl Iodide	26	250									J
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	ND	250									
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									
Surr: 4-Bromofluorobenzene	2,900		2,500		116	90	115				S
Surr: Dibromofluoromethane	2,800		2,500		114	88.4	108				S
Surr: Toluene-d8	2,700		2,500		109	90	112				
1,4-Dioxane	ND	25,000									

Sample ID: 0709505-006A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260315						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	490	52	515.2	0	94.6	81.7	109				
1,1,1-Trichloroethane	540	52	515.2	0	105	73.7	114				
1,1,2,2-Tetrachloroethane	490	52	515.2	0	94.6	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	420	52	515.2	0	82.0	62.1	118				
1,1,2-Trichloroethane	500	52	515.2	0	96.2	68.8	130				
1,1-Dichloroethane	590	52	515.2	0	114	79.3	111				S
1,1-Dichloroethene	600	52	515.2	0	116	67.3	116				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260315						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	510	52	515.2	0	99.2	32	140				
1,2,3-Trichlorobenzene	480	52	515.2	0	92.2	87.3	130				
1,2,3-Trichloropropane	430	52	515.2	0	84.3	68.8	112				
1,2,3-Trimethylbenzene	550	52	515.2	72.64	92.8	51.6	132				
1,2,4-Trichlorobenzene	490	260	515.2	0	94.9	87.8	130				
1,2,4-Trimethylbenzene	690	52	515.2	179.3	99.7	76.2	131				
1,2-Dibromo-3-chloropropane	410	260	515.2	0	78.7	45.6	162				
1,2-Dichlorobenzene	500	52	515.2	0	96.1	85.9	113				
1,2-Dichloroethane	660	52	515.2	0	128	85.8	116				S
1,2-Dichloropropane	520	52	515.2	0	101	83.6	110				
1,3,5-Trimethylbenzene	690	52	515.2	156.6	104	44.6	174				
1,3-Dichlorobenzene	530	52	515.2	0	104	84.7	119				
1,3-Dichloropropane	520	52	515.2	0	100	86.2	113				
1,4-Dichlorobenzene	500	52	515.2	0	96.8	85.2	111				
2,2-Dichloropropane	490	52	515.2	0	95.9	40	108				
2-Chloroethyl vinyl ether	480	520	515.2	0	94.0	82	114				J
2-Chlorotoluene	530	52	515.2	0	104	75.7	126				
2-Hexanone	550	2,600	515.2	0	106	51.3	170				J
2-Methylnaphthalene	510	260	515.2	0	99.8	75.2	127				
2-Nitropropane	3,400	210	515.2	0	669	70	130				S
4-Chlorotoluene	510	52	515.2	0	98.2	79.6	130				
Acetone	750	2,600	515.2	280.8	91.5	77.5	159				J
Acrylonitrile	540	260	515.2	0	104	64.8	137				
Benzene	500	31	515.2	0	97.5	52.5	136				
Bromobenzene	530	52	515.2	0	102	84.7	114				
Bromochloromethane	540	52	515.2	0	105	83.1	118				
Bromodichloromethane	580	52	515.2	0	112	60.9	129				
Bromoform	420	52	515.2	0	82.1	77.4	111				
Bromomethane	800	260	515.2	0	155	63.1	189				
Carbon disulfide	510	260	515.2	0	98.7	65.3	113				
Carbon tetrachloride	510	52	515.2	0	99.1	69.7	116				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:				RunNo: 16416			
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007				SeqNo: 260315				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	470	52	515.2	0	91.8	80.9	120				
Chloroethane	640	260	515.2	0	124	79.8	154				
Chloroform	550	52	515.2	0	106	80.7	112				
Chloromethane	470	52	515.2	0	90.4	36.2	126				
cis-1,2-Dichloroethene	510	52	515.2	0	99.3	65.6	111				
cis-1,3-Dichloropropene	460	52	515.2	0	88.8	76.4	112				
Dibromochloromethane	480	52	515.2	0	92.5	81.3	110				
Dibromomethane	520	52	515.2	0	100	87.9	118				
Dichlorodifluoromethane	400	52	515.2	0	77.6	27.1	121				
Dichloromethane	570	260	515.2	0	111	65	121				
Diethyl ether	570	260	515.2	0	111	88.2	110				S
Ethyl methacrylate	560	52	515.2	0	109	72.1	128				
Ethylbenzene	530	52	515.2	34.52	97.1	82.3	119				
Ethylene dibromide	500	52	515.2	0	96.6	89.2	115				
Hexachlorobutadiene	570	260	515.2	0	111	69.8	144				
Hexachloroethane	310	52	515.2	0	59.9	27.8	139				
Isopropyl ether	610	260	515.2	0	118	76.7	117				S
Isopropylbenzene	580	52	515.2	51.52	102	77.3	131				
m,p-Xylene	1,100	100	1,030	43.79	99.4	80.2	120				
Methyl ethyl ketone	450	260	515.2	0	87.0	61	126				
Methyl Iodide	550	260	515.2	0	106	70	130				
Methyl isobutyl ketone	600	520	515.2	0	115	59	146				
Methyl tert-butyl ether	1,200	260	1,030	0	116	81.2	116				
Naphthalene	560	260	515.2	79.34	93.3	86.9	133				
n-Butylbenzene	620	52	515.2	112.8	97.7	67.8	125				
n-Propylbenzene	760	52	515.2	246.3	99.5	80.9	125				
o-Xylene	490	52	515.2	0	94.7	71.1	130				
p-Isopropyltoluene	550	52	515.2	0	106	50.1	163				
sec-Butylbenzene	540	52	515.2	31.43	99.6	71.3	139				
Styrene	510	52	515.2	0	98.2	87.8	123				
t-Butyl alcohol	130,000	2,100	2,576	0	4,890	70	130				S

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007	SeqNo: 260315							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Amyl Methyl Ether	530	210	515.2	0	103	78.9	111				
tert-Butyl Ethyl Ether	590	260	515.2	0	115	69.9	132				
tert-Butylbenzene	500	52	515.2	0	97.4	80.7	119				
Tetrachloroethene	580	52	515.2	0	113	42.7	186				
Toluene	510	52	515.2	0	98.4	81.9	119				
trans-1,2-Dichloroethene	580	52	515.2	0	113	75.7	115				
trans-1,3-Dichloropropene	460	52	515.2	0	88.8	75.7	111				
trans-1,4-Dichloro-2-butene	540	52	515.2	0	105	52.9	136				
Trichloroethene	510	52	515.2	0	98.2	78.2	120				
Trichlorofluoromethane	740	52	515.2	0	144	70	130				S
Vinyl chloride	490	41	515.2	0	95.2	37.5	128				
Xylenes, Total	1,600	150	1,546	0	101	62.1	143				
Surr: 4-Bromofluorobenzene	3,000		2,576		117	95.9	130				
Surr: Dibromofluoromethane	3,000		2,576		116	90.4	111				S
Surr: Toluene-d8	2,800		2,576		110	100	116				

Sample ID: 0709505-006A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/21/2007	SeqNo: 260316						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	480	52	515.2	0	92.7	81.7	109	487.4	2.03	15.7	
1,1,1-Trichloroethane	520	52	515.2	0	102	73.7	114	542.0	3.29	16.8	
1,1,2,2-Tetrachloroethane	490	52	515.2	0	95.6	72.6	139	487.4	1.05	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	430	52	515.2	0	82.6	62.1	118	422.5	0.729	25.7	
1,1,2-Trichloroethane	500	52	515.2	0	96.8	68.8	130	495.6	0.622	15.9	
1,1-Dichloroethane	590	52	515.2	0	114	79.3	111	586.3	0.0878	16.6	S
1,1-Dichloroethene	580	52	515.2	0	112	67.3	116	595.6	3.07	20	
1,1-Dichloropropene	490	52	515.2	0	94.4	32	140	511.1	4.96	18.5	
1,2,3-Trichlorobenzene	500	52	515.2	0	96.5	87.3	130	475.0	4.56	18.8	
1,2,3-Trichloropropane	440	52	515.2	0	86.1	68.8	112	434.3	2.11	19.4	
1,2,3-Trimethylbenzene	550	52	515.2	72.64	92.7	51.6	132	550.7	0.0936	16.2	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007	SeqNo: 260316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	500	260	515.2	0	96.4	87.8	130	488.9	1.57	23	
1,2,4-Trimethylbenzene	690	52	515.2	179.3	99.6	76.2	131	692.9	0.0744	20.6	
1,2-Dibromo-3-chloropropane	410	260	515.2	0	79.4	45.6	162	405.5	0.886	48.7	
1,2-Dichlorobenzene	500	52	515.2	0	96.2	85.9	113	495.1	0.104	17.5	
1,2-Dichloroethane	650	52	515.2	0	126	85.8	116	657.4	1.10	13.9	S
1,2-Dichloropropane	530	52	515.2	0	102	83.6	110	520.9	1.08	18.1	
1,3,5-Trimethylbenzene	680	52	515.2	156.6	101	44.6	174	692.4	2.33	19.2	
1,3-Dichlorobenzene	550	52	515.2	0	106	84.7	119	534.8	1.91	22.5	
1,3-Dichloropropane	510	52	515.2	0	98.7	86.2	113	515.2	1.31	17.2	
1,4-Dichlorobenzene	500	52	515.2	0	97.9	85.2	111	498.7	1.13	16.2	
2,2-Dichloropropane	470	52	515.2	0	90.6	40	108	494.1	5.68	16	
2-Chloroethyl vinyl ether	490	520	515.2	0	95.6	82	114	484.3	0	18.4	J
2-Chlorotoluene	530	52	515.2	0	103	75.7	126	533.7	0.290	17.2	
2-Hexanone	570	2,600	515.2	0	110	51.3	170	547.7	0	40	J
2-Methylnaphthalene	540	260	515.2	0	104	75.2	127	514.2	4.60	26.8	
2-Nitropropane	2,400	210	3,606	0	67.0	70	130	3,446	35.2	56.4	S
4-Chlorotoluene	490	52	515.2	0	95.8	79.6	130	505.9	2.47	35.6	
Acetone	790	2,600	515.2	280.8	99.7	77.5	159	752.2	0	40	J
Acrylonitrile	540	260	515.2	0	104	64.8	137	535.8	0.0962	24.5	
Benzene	500	31	515.2	0	96.5	52.5	136	502.3	1.03	13.5	
Bromobenzene	510	52	515.2	0	99.6	84.7	114	526.0	2.48	19.6	
Bromochloromethane	520	52	515.2	0	101	83.1	118	542.0	3.97	17	
Bromodichloromethane	590	52	515.2	0	114	60.9	129	577.0	1.68	18.3	
Bromoform	430	52	515.2	0	83.9	77.4	111	423.0	2.17	16.4	
Bromomethane	650	260	515.2	0	126	63.1	189	800.6	21.1	40.4	
Carbon disulfide	490	260	515.2	0	95.3	65.3	113	508.5	3.51	22	
Carbon tetrachloride	500	52	515.2	0	97.1	69.7	116	510.6	2.04	21	
Chlorobenzene	470	52	515.2	0	92.0	80.9	120	473.0	0.218	16	
Chloroethane	580	260	515.2	0	112	79.8	154	637.3	10.0	28.2	
Chloroform	530	52	515.2	0	103	80.7	112	546.6	3.16	14.7	
Chloromethane	440	52	515.2	0	85.4	36.2	126	465.7	5.69	33.6	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007	SeqNo: 260316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	500	52	515.2	0	96.7	65.6	111	511.6	2.65	24.9	
cis-1,3-Dichloropropene	460	52	515.2	0	89.4	76.4	112	457.5	0.673	18.7	
Dibromochloromethane	490	52	515.2	0	94.5	81.3	110	476.6	2.14	19.4	
Dibromomethane	520	52	515.2	0	101	87.9	118	515.7	0.895	15.2	
Dichlorodifluoromethane	380	52	515.2	0	74.6	27.1	121	399.8	3.94	34.1	
Dichloromethane	560	260	515.2	0	108	65	121	569.8	1.92	31.8	
Diethyl ether	570	260	515.2	0	111	88.2	110	571.4	0.271	21.2	S
Ethyl methacrylate	570	52	515.2	0	111	72.1	128	561.1	1.64	18.3	
Ethylbenzene	530	52	515.2	34.52	97.1	82.3	119	534.8	0	15.5	
Ethylene dibromide	510	52	515.2	0	99.0	89.2	115	497.7	2.45	17.6	
Hexachlorobutadiene	580	260	515.2	0	113	69.8	144	571.9	1.96	24	
Hexachloroethane	310	52	515.2	0	59.6	27.8	139	308.6	0.502	15.7	
Isopropyl ether	600	260	515.2	0	117	76.7	117	610.5	0.933	15.4	S
Isopropylbenzene	570	52	515.2	51.52	100	77.3	131	575.5	1.35	15.9	
m,p-Xylene	1,000	100	1,030	43.79	97.3	80.2	120	1,069	2.05	17.3	
Methyl ethyl ketone	510	260	515.2	0	99.0	61	126	448.2	12.9	34	
Methyl Iodide	570	260	515.2	0	110	70	130	547.7	3.33	25	
Methyl isobutyl ketone	620	520	515.2	0	120	59	146	595.1	4.07	33.7	
Methyl tert-butyl ether	1,200	260	1,030	0	115	81.2	116	1,195	0.432	17.5	
Naphthalene	570	260	515.2	79.34	96.2	86.9	133	560.0	2.63	17.1	
n-Butylbenzene	620	52	515.2	112.8	98.4	67.8	125	616.2	0.584	22.4	
n-Propylbenzene	750	52	515.2	246.3	98.5	80.9	125	758.9	0.681	16.5	
o-Xylene	490	52	515.2	0	94.4	71.1	130	487.9	0.317	16	
p-Isopropyltoluene	530	52	515.2	0	104	50.1	163	546.1	2.19	19.2	
sec-Butylbenzene	540	52	515.2	31.43	99.2	71.3	139	544.6	0.379	18.8	
Styrene	500	52	515.2	0	98.0	87.8	123	505.9	0.204	16	
t-Butyl alcohol	120,000	2,100	2,576	0	4,830	70	130	125,800	1.15	17.1	S
tert-Amyl Methyl Ether	520	210	515.2	0	101	78.9	111	529.1	1.87	14.3	
tert-Butyl Ethyl Ether	580	260	515.2	0	112	69.9	132	591.4	2.56	30.6	
tert-Butylbenzene	500	52	515.2	0	97.5	80.7	119	501.8	0.103	19.2	
Tetrachloroethene	570	52	515.2	0	111	42.7	186	582.2	1.61	41.2	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709505-006A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/21/2007	SeqNo: 260316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	490	52	515.2	0	95.7	81.9	119	507.0	2.78	16.2	
trans-1,2-Dichloroethene	580	52	515.2	0	112	75.7	115	584.8	1.42	17.1	
trans-1,3-Dichloropropene	460	52	515.2	0	89.4	75.7	111	457.5	0.673	19.3	
trans-1,4-Dichloro-2-butene	530	52	515.2	0	102	52.9	136	543.0	2.89	17	
Trichloroethene	500	52	515.2	0	96.7	78.2	120	505.9	1.54	19	
Trichlorofluoromethane	820	52	515.2	0	158	70	130	744.5	9.05	25	S
Vinyl chloride	470	41	515.2	0	90.4	37.5	128	490.5	5.17	33.3	
Xylenes, Total	1,500	150	1,546	0	99.2	62.1	143	1,556	1.50	16.5	
Surr: 4-Bromofluorobenzene	3,000		2,576		118	95.9	130		0	25	
Surr: Dibromofluoromethane	2,900		2,576		113	90.4	111		0	25	S
Surr: Toluene-d8	2,800		2,576		110	100	116		0	25	

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007	SeqNo: 260333							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	500	50	500.0	0	100	70	130				
1,1,1-Trichloroethane	530	50	500.0	0	106	70	130				
1,1,2,2-Tetrachloroethane	390	50	500.0	0	77.4	70	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	410	50	500.0	0	81.5	70	130				
1,1,2-Trichloroethane	470	50	500.0	0	94.4	70	130				
1,1-Dichloroethane	560	50	500.0	0	112	70	130				
1,1-Dichloroethene	570	50	500.0	0	114	70	130				
1,1-Dichloropropene	470	50	500.0	0	94.1	70	130				
1,2,3-Trichlorobenzene	430	50	500.0	0	86.0	70	130				
1,2,3-Trichloropropane	400	50	500.0	0	79.6	70	130				
1,2,3-Trimethylbenzene	460	50	500.0	0	91.7	70	130				
1,2,4-Trichlorobenzene	440	250	500.0	0	87.8	70	130				
1,2,4-Trimethylbenzene	500	50	500.0	0	99.6	70	130				
1,2-Dibromo-3-chloropropane	400	250	500.0	0	80.2	70	130				
1,2-Dichlorobenzene	480	50	500.0	0	96.5	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007	SeqNo: 260333							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	600	50	500.0	0	120	70	130				
1,2-Dichloropropane	490	50	500.0	0	98.0	70	130				
1,3,5-Trimethylbenzene	500	50	500.0	0	100	70	130				
1,3-Dichlorobenzene	510	50	500.0	0	102	70	130				
1,3-Dichloropropane	480	50	500.0	0	96.4	70	130				
1,4-Dichlorobenzene	480	50	500.0	0	96.2	70	130				
2,2-Dichloropropane	350	50	500.0	0	70.1	70	130				
2-Chloroethyl vinyl ether	450	500	500.0	0	90.7	70	130				J
2-Chlorotoluene	460	50	500.0	0	92.7	70	130				
2-Hexanone	450	2,500	500.0	0	89.4	70	130				J
2-Methylnaphthalene	440	250	500.0	0	88.0	70	130				
2-Nitropropane	450	200	500.0	0	89.3	70	130				
4-Chlorotoluene	470	50	500.0	0	94.6	70	130				
Acetone	800	2,500	500.0	0	161	70	130				JS
Acrylonitrile	500	250	500.0	0	99.9	70	130				
Benzene	480	30	500.0	0	95.7	70	130				
Bromobenzene	490	50	500.0	0	98.2	70	130				
Bromochloromethane	530	50	500.0	0	106	70	130				
Bromodichloromethane	510	50	500.0	0	102	70	130				
Bromoform	480	50	500.0	0	95.3	70	130				
Bromomethane	1,100	250	500.0	0	217	70	130				S
Carbon disulfide	500	250	500.0	0	101	70	130				
Carbon tetrachloride	540	50	500.0	0	108	70	130				
Chlorobenzene	450	50	500.0	0	89.3	70	130				
Chloroethane	780	250	500.0	0	156	70	130				S
Chloroform	510	50	500.0	0	103	70	130				
Chloromethane	430	50	500.0	0	86.9	70	130				
cis-1,2-Dichloroethene	500	50	500.0	0	99.6	70	130				
cis-1,3-Dichloropropene	440	50	500.0	0	87.1	70	130				
Dibromochloromethane	530	50	500.0	0	106	70	130				
Dibromomethane	510	50	500.0	0	102	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260333						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	410	50	500.0	0	82.4	70	130				
Dichloromethane	560	250	500.0	0	112	70	130				
Diethyl ether	520	250	500.0	0	105	70	130				
Ethyl methacrylate	450	50	500.0	0	89.6	70	130				
Ethylbenzene	490	50	500.0	0	97.6	70	130				
Ethylene dibromide	490	50	500.0	0	98.9	70	130				
Hexachlorobutadiene	500	250	500.0	0	101	70	130				
Hexachloroethane	310	50	500.0	0	61.2	70	130				S
Isopropyl ether	600	250	500.0	0	119	70	130				
Isopropylbenzene	500	50	500.0	0	100	70	130				
m,p-Xylene	990	100	1,000	0	98.6	70	130				
Methyl ethyl ketone	490	250	500.0	0	98.9	70	130				
Methyl Iodide	550	250	500.0	0	109	70	130				
Methyl isobutyl ketone	470	500	500.0	0	94.0	70	130				J
Methyl tert-butyl ether	1,100	250	1,000	0	112	70	130				
Naphthalene	420	250	500.0	0	83.7	70	130				
n-Butylbenzene	450	50	500.0	0	89.2	70	130				
n-Propylbenzene	480	50	500.0	0	95.7	70	130				
o-Xylene	460	50	500.0	0	92.5	70	130				
p-Isopropyltoluene	500	50	500.0	0	99.0	70	130				
sec-Butylbenzene	480	50	500.0	0	96.2	70	130				
Styrene	490	50	500.0	0	98.1	70	130				
t-Butyl alcohol	ND	2,000	2,500	0	0	70	130				S
tert-Amyl Methyl Ether	490	200	500.0	0	98.1	70	130				
tert-Butyl Ethyl Ether	610	250	500.0	0	122	70	130				
tert-Butylbenzene	490	50	500.0	0	97.2	70	130				
Tetrachloroethene	870	50	500.0	0	175	70	130				S
Toluene	490	50	500.0	0	98.1	70	130				
trans-1,2-Dichloroethene	560	50	500.0	0	113	70	130				
trans-1,3-Dichloropropene	440	50	500.0	0	87.1	70	130				
trans-1,4-Dichloro-2-butene	430	50	500.0	0	85.8	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 10ug/KG LCS 10uL	SampType: LCS	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: LCSS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260333						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	560	50	500.0	0	112	70	130				
Trichlorofluoromethane	200	50	500.0	0	39.0	70	130				S
Vinyl chloride	500	40	500.0	0	99.3	70	130				
Xylenes, Total	1,400	150	1,500	0	96.6	70	130				
Surr: 4-Bromofluorobenzene	2,900		2,500		115	90	115				S
Surr: Dibromofluoromethane	2,800		2,500		110	88.4	108				S
Surr: Toluene-d8	2,700		2,500		109	90	112				

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:					RunNo: 16416		
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007					SeqNo: 260334			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	50
1,1,1-Trichloroethane	ND	50
1,1,2,2-Tetrachloroethane	ND	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50
1,1,2-Trichloroethane	ND	50
1,1-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
1,1-Dichloropropene	ND	50
1,2,3-Trichlorobenzene	ND	50
1,2,3-Trichloropropane	ND	50
1,2,3-Trimethylbenzene	ND	50
1,2,4-Trichlorobenzene	ND	250
1,2,4-Trimethylbenzene	ND	50
1,2-Dibromo-3-chloropropane	ND	250
1,2-Dichlorobenzene	ND	50
1,2-Dichloroethane	ND	50
1,2-Dichloropropane	ND	50
1,3,5-Trimethylbenzene	ND	50
1,3-Dichlorobenzene	ND	50

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260334						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	50									
1,4-Dichlorobenzene	ND	50									
2,2-Dichloropropane	ND	50									
2-Chloroethyl vinyl ether	ND	500									
2-Chlorotoluene	ND	50									
2-Hexanone	ND	2,500									
2-Methylnaphthalene	ND	250									
2-Nitropropane	ND	200									
4-Chlorotoluene	ND	50									
Acetone	320	2,500									J
Acrylonitrile	ND	250									
Benzene	ND	30									
Bromobenzene	ND	50									
Bromochloromethane	ND	50									
Bromodichloromethane	ND	50									
Bromoform	ND	50									
Bromomethane	ND	250									
Carbon disulfide	ND	250									
Carbon tetrachloride	ND	50									
Chlorobenzene	ND	50									
Chloroethane	ND	250									
Chloroform	ND	50									
Chloromethane	ND	50									
cis-1,2-Dichloroethene	ND	50									
cis-1,3-Dichloropropene	ND	50									
Dibromochloromethane	ND	50									
Dibromomethane	ND	50									
Dichlorodifluoromethane	ND	50									
Dichloromethane	49	250									J
Diethyl ether	ND	250									
Ethyl methacrylate	ND	50									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260334						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	50									
Ethylene dibromide	ND	50									
Hexachlorobutadiene	ND	250									
Hexachloroethane	ND	50									
Isopropyl ether	ND	250									
Isopropylbenzene	ND	50									
m,p-Xylene	ND	100									
Methyl ethyl ketone	ND	250									
Methyl Iodide	ND	250									
Methyl isobutyl ketone	ND	500									
Methyl tert-butyl ether	ND	250									
Naphthalene	ND	250									
n-Butylbenzene	ND	50									
n-Propylbenzene	ND	50									
o-Xylene	ND	50									
p-Isopropyltoluene	ND	50									
sec-Butylbenzene	ND	50									
Styrene	ND	50									
t-Butyl alcohol	ND	2,000									
tert-Amyl Methyl Ether	ND	200									
tert-Butyl Ethyl Ether	ND	250									
tert-Butylbenzene	ND	50									
Tetrachloroethene	ND	50									
Toluene	ND	50									
trans-1,2-Dichloroethene	ND	50									
trans-1,3-Dichloropropene	ND	50									
trans-1,4-Dichloro-2-butene	ND	50									
Trichloroethene	ND	50									
Trichlorofluoromethane	ND	50									
Vinyl chloride	ND	40									
Xylenes, Total	ND	150									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: MLKB 1mLJW07100	SampType: MBLK	TestCode: SW_8260S	Units: µg/Kg	Prep Date:	RunNo: 16416						
Client ID: PBS	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260334						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	2,900		2,500		115	90	115				S
Surr: Dibromofluoromethane	2,800		2,500		111	88.4	108				S
Surr: Toluene-d8	2,700		2,500		109	90	112				
1,4-Dioxane	ND	25,000									

Sample ID: 0709450-004A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007	SeqNo: 260343							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	470	50	495.5	0	95.1	81.7	109				
1,1,1-Trichloroethane	550	50	495.5	0	111	73.7	114				
1,1,2,2-Tetrachloroethane	450	50	495.5	0	90.6	72.6	139				
1,1,2-Trichloro-1,2,2-trifluoroethane	410	50	495.5	0	83.4	62.1	118				
1,1,2-Trichloroethane	490	50	495.5	0	99.7	68.8	130				
1,1-Dichloroethane	590	50	495.5	0	120	79.3	111				S
1,1-Dichloroethene	590	50	495.5	0	119	67.3	116				S
1,1-Dichloropropene	500	50	495.5	0	102	32	140				
1,2,3-Trichlorobenzene	450	50	495.5	0	89.9	87.3	130				
1,2,3-Trichloropropane	410	50	495.5	0	83.6	68.8	112				
1,2,3-Trimethylbenzene	470	50	495.5	0	94.2	51.6	132				
1,2,4-Trichlorobenzene	460	250	495.5	0	93.6	87.8	130				
1,2,4-Trimethylbenzene	510	50	495.5	0	102	76.2	131				
1,2-Dibromo-3-chloropropane	390	250	495.5	0	78.6	45.6	162				
1,2-Dichlorobenzene	490	50	495.5	0	99.5	85.9	113				
1,2-Dichloroethane	640	50	495.5	0	130	85.8	116				S
1,2-Dichloropropane	500	50	495.5	0	101	83.6	110				
1,3,5-Trimethylbenzene	500	50	495.5	0	102	44.6	174				
1,3-Dichlorobenzene	530	50	495.5	0	108	84.7	119				
1,3-Dichloropropane	500	50	495.5	0	101	86.2	113				
1,4-Dichlorobenzene	490	50	495.5	0	99.1	85.2	111				
2,2-Dichloropropane	330	50	495.5	0	67.0	40	108				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709450-004A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007	SeqNo: 260343							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloroethyl vinyl ether	480	500	495.5	0	97.6	82	114				J
2-Chlorotoluene	480	50	495.5	0	96.6	75.7	126				
2-Hexanone	500	2,500	495.5	0	100	51.3	170				J
2-Methylnaphthalene	370	250	495.5	0	74.4	75.2	127				S
2-Nitropropane	450	200	495.5	0	90.2	70	130				
4-Chlorotoluene	490	50	495.5	0	98.0	79.6	130				
Acetone	670	2,500	495.5	0	135	77.5	159				J
Acrylonitrile	530	250	495.5	0	107	64.8	137				
Benzene	490	30	495.5	0	98.0	52.5	136				
Bromobenzene	500	50	495.5	0	101	84.7	114				
Bromochloromethane	580	50	495.5	0	116	83.1	118				
Bromodichloromethane	490	50	495.5	0	99.3	60.9	129				
Bromoform	430	50	495.5	0	86.1	77.4	111				
Bromomethane	1,200	250	495.5	0	245	63.1	189				S
Carbon disulfide	490	250	495.5	0	99.3	65.3	113				
Carbon tetrachloride	530	50	495.5	0	107	69.7	116				
Chlorobenzene	460	50	495.5	0	93.1	80.9	120				
Chloroethane	790	250	495.5	0	160	79.8	154				S
Chloroform	520	50	495.5	0	106	80.7	112				
Chloromethane	440	50	495.5	0	88.3	36.2	126				
cis-1,2-Dichloroethene	490	50	495.5	0	99.1	65.6	111				
cis-1,3-Dichloropropene	430	50	495.5	0	85.9	76.4	112				
Dibromochloromethane	490	50	495.5	0	98.4	81.3	110				
Dibromomethane	510	50	495.5	0	104	87.9	118				
Dichlorodifluoromethane	390	50	495.5	0	78.5	27.1	121				
Dichloromethane	570	250	495.5	0	115	65	121				
Diethyl ether	570	250	495.5	0	116	88.2	110				S
Ethyl methacrylate	480	50	495.5	0	96.6	72.1	128				
Ethylbenzene	490	50	495.5	0	99.4	82.3	119				
Ethylene dibromide	500	50	495.5	0	99.9	89.2	115				
Hexachlorobutadiene	490	250	495.5	0	98.9	69.8	144				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709450-004A-MS	SampType: MS	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260343						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	270	50	495.5	0	54.7	27.8	139				
Isopropyl ether	620	250	495.5	0	126	76.7	117				S
Isopropylbenzene	510	50	495.5	0	104	77.3	131				
m,p-Xylene	1,000	99	991.0	0	101	80.2	120				
Methyl ethyl ketone	600	250	495.5	0	122	61	126				
Methyl Iodide	520	250	495.5	0	106	70	130				
Methyl isobutyl ketone	510	500	495.5	0	103	59	146				
Methyl tert-butyl ether	1,200	250	991.0	0	123	81.2	116				S
Naphthalene	450	250	495.5	0	91.0	86.9	133				
n-Butylbenzene	460	50	495.5	0	92.6	67.8	125				
n-Propylbenzene	490	50	495.5	0	99.1	80.9	125				
o-Xylene	470	50	495.5	0	95.7	71.1	130				
p-Isopropyltoluene	510	50	495.5	0	103	50.1	163				
sec-Butylbenzene	490	50	495.5	0	98.1	71.3	139				
Styrene	500	50	495.5	0	102	87.8	123				
t-Butyl alcohol	5,000	2,000	2,478	0	203	70	130				S
tert-Amyl Methyl Ether	530	200	495.5	0	106	78.9	111				
tert-Butyl Ethyl Ether	600	250	495.5	0	122	69.9	132				
tert-Butylbenzene	500	50	495.5	0	100	80.7	119				
Tetrachloroethene	850	50	495.5	0	173	42.7	186				
Toluene	490	50	495.5	0	99.6	81.9	119				
trans-1,2-Dichloroethene	600	50	495.5	0	120	75.7	115				S
trans-1,3-Dichloropropene	430	50	495.5	0	85.9	75.7	111				
trans-1,4-Dichloro-2-butene	460	50	495.5	0	93.3	52.9	136				
Trichloroethene	520	50	495.5	0	105	78.2	120				
Trichlorofluoromethane	200	50	495.5	0	40.4	70	130				S
Vinyl chloride	490	40	495.5	0	98.7	37.5	128				
Xylenes, Total	1,500	150	1,487	0	99.5	62.1	143				
Surr: 4-Bromofluorobenzene	2,900		2,478		116	95.9	130				
Surr: Dibromofluoromethane	2,800		2,478		113	90.4	111				S
Surr: Toluene-d8	2,700		2,478		109	100	116				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709450-004A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B		Analysis Date: 9/22/2007	SeqNo: 260344						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	460	50	495.5	0	92.3	81.7	109	471.2	2.99	15.7	
1,1,1-Trichloroethane	500	50	495.5	0	99.9	73.7	114	550.0	10.5	16.8	
1,1,2,2-Tetrachloroethane	420	50	495.5	0	84.0	72.6	139	448.9	7.56	16.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	380	50	495.5	0	76.0	62.1	118	413.3	9.28	25.7	
1,1,2-Trichloroethane	460	50	495.5	0	93.7	68.8	130	494.0	6.20	15.9	
1,1-Dichloroethane	550	50	495.5	0	112	79.3	111	592.6	7.01	16.6	S
1,1-Dichloroethene	550	50	495.5	0	111	67.3	116	591.7	7.65	20	
1,1-Dichloropropene	450	50	495.5	0	91.3	32	140	503.0	10.6	18.5	
1,2,3-Trichlorobenzene	420	50	495.5	0	84.2	87.3	130	445.5	6.55	18.8	S
1,2,3-Trichloropropane	380	50	495.5	0	76.8	68.8	112	414.3	8.48	19.4	
1,2,3-Trimethylbenzene	440	50	495.5	0	88.1	51.6	132	466.8	6.69	16.2	
1,2,4-Trichlorobenzene	430	250	495.5	0	87.0	87.8	130	463.8	7.31	23	S
1,2,4-Trimethylbenzene	460	50	495.5	0	92.9	76.2	131	506.4	9.53	20.6	
1,2-Dibromo-3-chloropropane	380	250	495.5	0	77.2	45.6	162	389.5	1.80	48.7	
1,2-Dichlorobenzene	460	50	495.5	0	92.0	85.9	113	493.0	7.83	17.5	
1,2-Dichloroethane	610	50	495.5	0	122	85.8	116	642.2	5.71	13.9	S
1,2-Dichloropropane	450	50	495.5	0	91.5	83.6	110	500.5	9.87	18.1	
1,3,5-Trimethylbenzene	470	50	495.5	0	94.2	44.6	174	503.0	7.46	19.2	
1,3-Dichlorobenzene	490	50	495.5	0	98.6	84.7	119	533.2	8.73	22.5	
1,3-Dichloropropane	470	50	495.5	0	94.7	86.2	113	499.0	6.14	17.2	
1,4-Dichlorobenzene	460	50	495.5	0	92.1	85.2	111	491.1	7.32	16.2	
2,2-Dichloropropane	310	50	495.5	0	62.6	40	108	332.0	6.79	16	
2-Chloroethyl vinyl ether	450	500	495.5	0	91.3	82	114	483.6	0	18.4	J
2-Chlorotoluene	440	50	495.5	0	89.6	75.7	126	478.7	7.52	17.2	
2-Hexanone	450	2,500	495.5	0	91.1	51.3	170	496.0	0	40	J
2-Methylnaphthalene	380	250	495.5	0	77.1	75.2	127	368.7	3.56	26.8	
2-Nitropropane	ND	200	3,469	0	0	70	130	447.0	0	56.4	S
4-Chlorotoluene	450	50	495.5	0	90.5	79.6	130	485.6	7.96	35.6	
Acetone	680	2,500	495.5	0	137	77.5	159	670.4	0	40	J
Acrylonitrile	500	250	495.5	0	100	64.8	137	527.7	6.20	24.5	
Benzene	460	30	495.5	0	93.1	52.5	136	485.6	5.13	13.5	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709450-004A-MSD		SampType: MSD		TestCode: SW_8260S		Units: µg/Kg-dry		Prep Date:		RunNo: 16416	
Client ID: ZZZZZZ		Batch ID: R16416		TestNo: SW8260B		Analysis Date: 9/22/2007		SeqNo: 260344			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	460	50	495.5	0	93.0	84.7	114	502.0	8.54	19.6	
Bromochloromethane	530	50	495.5	0	107	83.1	118	576.3	8.05	17	
Bromodichloromethane	460	50	495.5	0	93.5	60.9	129	492.1	6.02	18.3	
Bromoform	430	50	495.5	0	86.3	77.4	111	426.6	0.232	16.4	
Bromomethane	1,000	250	495.5	0	204	63.1	189	1,215	18.3	40.4	S
Carbon disulfide	450	250	495.5	0	91.5	65.3	113	492.1	8.18	22	
Carbon tetrachloride	490	50	495.5	0	97.9	69.7	116	532.2	9.25	21	
Chlorobenzene	440	50	495.5	0	89.6	80.9	120	461.3	3.83	16	
Chloroethane	760	250	495.5	0	154	79.8	154	794.3	3.81	28.2	S
Chloroform	480	50	495.5	0	97.5	80.7	112	524.8	8.26	14.7	
Chloromethane	400	50	495.5	0	80.6	36.2	126	437.5	9.12	33.6	
cis-1,2-Dichloroethene	460	50	495.5	0	92.3	65.6	111	491.1	7.11	24.9	
cis-1,3-Dichloropropene	390	50	495.5	0	79.5	76.4	112	425.7	7.74	18.7	
Dibromochloromethane	470	50	495.5	0	94.5	81.3	110	487.6	4.04	19.4	
Dibromomethane	470	50	495.5	0	95.6	87.9	118	513.9	8.13	15.2	
Dichlorodifluoromethane	340	50	495.5	0	69.6	27.1	121	389.0	12.0	34.1	
Dichloromethane	530	250	495.5	0	107	65	121	568.9	7.03	31.8	
Diethyl ether	540	250	495.5	0	109	88.2	110	572.3	6.16	21.2	
Ethyl methacrylate	440	50	495.5	0	89.2	72.1	128	478.7	7.97	18.3	
Ethylbenzene	460	50	495.5	0	93.4	82.3	119	492.6	6.22	15.5	
Ethylene dibromide	470	50	495.5	0	95.2	89.2	115	495.0	4.82	17.6	
Hexachlorobutadiene	470	250	495.5	0	94.9	69.8	144	490.1	4.13	24	
Hexachloroethane	260	50	495.5	0	51.7	27.8	139	271.1	5.64	15.7	
Isopropyl ether	580	250	495.5	0	117	76.7	117	621.9	7.10	15.4	
Isopropylbenzene	470	50	495.5	0	94.2	77.3	131	513.4	9.50	15.9	
m,p-Xylene	940	99	991.0	0	94.5	80.2	120	1,005	7.09	17.3	
Methyl ethyl ketone	550	250	495.5	0	111	61	126	602.6	8.84	34	
Methyl Iodide	530	250	495.5	0	107	70	130	522.8	1.60	25	
Methyl isobutyl ketone	480	500	495.5	0	96.6	59	146	508.9	0	33.7	J
Methyl tert-butyl ether	1,200	250	991.0	0	117	81.2	116	1,218	5.17	17.5	S
Naphthalene	430	250	495.5	0	87.5	86.9	133	450.9	3.92	17.1	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8260S

Sample ID: 0709450-004A-MSD	SampType: MSD	TestCode: SW_8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 16416						
Client ID: ZZZZZZ	Batch ID: R16416	TestNo: SW8260B	Analysis Date: 9/22/2007	SeqNo: 260344							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	410	50	495.5	0	83.4	67.8	125	458.9	10.5	22.4	
n-Propylbenzene	450	50	495.5	0	91.5	80.9	125	491.1	7.97	16.5	
o-Xylene	440	50	495.5	0	89.7	71.1	130	474.2	6.47	16	
p-Isopropyltoluene	470	50	495.5	0	94.1	50.1	163	509.4	8.84	19.2	
sec-Butylbenzene	460	50	495.5	0	92.0	71.3	139	486.1	6.42	18.8	
Styrene	470	50	495.5	0	94.2	87.8	123	504.9	7.85	16	
t-Butyl alcohol	5,200	2,000	2,478	0	209	70	130	5,024	3.21	17.1	S
tert-Amyl Methyl Ether	490	200	495.5	0	98.9	78.9	111	525.8	7.02	14.3	
tert-Butyl Ethyl Ether	560	250	495.5	0	113	69.9	132	603.1	7.41	30.6	
tert-Butylbenzene	450	50	495.5	0	91.5	80.7	119	496.0	8.98	19.2	
Tetrachloroethene	780	50	495.5	0	157	42.7	186	854.8	9.28	41.2	
Toluene	460	50	495.5	0	92.9	81.9	119	493.5	6.96	16.2	
trans-1,2-Dichloroethene	560	50	495.5	0	113	75.7	115	595.6	6.26	17.1	
trans-1,3-Dichloropropene	390	50	495.5	0	79.5	75.7	111	425.7	7.74	19.3	
trans-1,4-Dichloro-2-butene	430	50	495.5	0	87.1	52.9	136	462.3	6.87	17	
Trichloroethene	490	50	495.5	0	98.2	78.2	120	520.3	6.69	19	
Trichlorofluoromethane	200	50	495.5	0	39.7	70	130	200.2	1.75	25	S
Vinyl chloride	450	40	495.5	0	90.4	37.5	128	489.1	8.78	33.3	
Xylenes, Total	1,400	150	1,487	0	92.9	62.1	143	1,480	6.89	16.5	
Surr: 4-Bromofluorobenzene	2,900		2,478		116	95.9	130		0	25	
Surr: Dibromofluoromethane	2,800		2,478		114	90.4	111		0	25	S
Surr: Toluene-d8	2,700		2,478		109	100	116		0	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8270S

Sample ID: LCS-8386	SampType: LCS	TestCode: SW_8270S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: LCSS	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257834						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	620	160	833.3	0	74.2	50	130				
Acenaphthene	670	160	833.3	0	80.1	50	130				
Acenaphthylene	640	160	833.3	0	76.7	50	130				
Anthracene	650	160	833.3	0	78.4	50	130				
Benzo(a)anthracene	660	160	833.3	0	79.7	50	130				
Benzo(a)pyrene	680	160	833.3	0	81.9	50	130				
Benzo(b)fluoranthene	710	160	833.3	0	85.5	50	130				
Benzo(g,h,i)perylene	600	160	833.3	0	71.5	50	130				
Benzo(k)fluoranthene	650	160	833.3	0	77.9	50	130				
Chrysene	680	160	833.3	0	81.5	50	130				
Dibenz(a,h)anthracene	630	160	833.3	0	75.7	50	130				
Fluoranthene	620	160	833.3	0	74.4	50	130				
Fluorene	670	160	833.3	0	79.9	50	130				
Indeno(1,2,3-cd)pyrene	630	160	833.3	0	75.8	50	130				
Naphthalene	610	160	833.3	0	73.8	50	130				
Phenanthrene	660	160	833.3	0	79.3	50	130				
Pyrene	710	160	833.3	0	84.7	50	130				
Surr: 2,4,6-Tribromophenol	1,400		1,333		102	50	130				
Surr: 2-Fluorobiphenyl	840		1,333		63.1	50	130				
Surr: 2-Fluorophenol	1,100		1,333		84.0	50	130				
Surr: Nitrobenzene-d5	810		1,333		60.8	50	130				
Surr: Phenol-d5	1,100		1,333		80.2	50	130				
Surr: Terphenyl-d14	920		1,333		69.0	50	130				

Sample ID: MB-8386	SampType: MBLK	TestCode: SW_8270S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: PBS	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257836						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	160									
Acenaphthene	ND	160									
Acenaphthylene	ND	160									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8270S

Sample ID: MB-8386	SampType: MBLK	TestCode: SW_8270S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: PBS	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257836						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Anthracene	ND	160									
Benzo(a)anthracene	ND	160									
Benzo(a)pyrene	ND	160									
Benzo(b)fluoranthene	ND	160									
Benzo(g,h,i)perylene	ND	160									
Benzo(k)fluoranthene	ND	160									
Chrysene	ND	160									
Dibenz(a,h)anthracene	ND	160									
Fluoranthene	ND	160									
Fluorene	ND	160									
Indeno(1,2,3-cd)pyrene	ND	160									
Naphthalene	ND	160									
Phenanthrene	ND	160									
Pyrene	ND	160									
Surr: 2,4,6-Tribromophenol	1,200		1,667		72.7	50	130				
Surr: 2-Fluorobiphenyl	890		1,667		53.4	50	130				
Surr: 2-Fluorophenol	1,200		1,667		69.0	50	130				
Surr: Nitrobenzene-d5	780		1,667		47.0	50	130				S
Surr: Phenol-d5	1,100		1,667		67.1	50	130				
Surr: Terphenyl-d14	1,100		1,667		63.8	50	130				

Sample ID: 0709397-001B-MS	SampType: MS	TestCode: SW_8270S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: ZZZZZZ	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257839						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Methylnaphthalene	890	180	950.4	0	94.0	50	130				
Acenaphthene	810	180	950.4	0	85.2	50	130				
Acenaphthylene	910	180	950.4	0	95.4	50	130				
Anthracene	870	180	950.4	0	91.9	50	130				
Benzo(a)anthracene	830	180	950.4	0	87.4	50	130				
Benzo(a)pyrene	860	180	950.4	0	90.5	50	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8270S

Sample ID: 0709397-001B-MS	SampType: MS	TestCode: SW_8270S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: ZZZZZZ	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257839						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzo(b)fluoranthene	840	180	950.4	0	87.9	50	130				
Benzo(g,h,i)perylene	800	180	950.4	0	84.2	50	130				
Benzo(k)fluoranthene	900	180	950.4	0	94.7	50	130				
Chrysene	850	180	950.4	0	89.9	50	130				
Dibenz(a,h)anthracene	800	180	950.4	0	84.1	50	130				
Fluoranthene	1,000	180	950.4	0	106	50	130				
Fluorene	950	180	950.4	0	100	50	130				
Indeno(1,2,3-cd)pyrene	830	180	950.4	0	87.4	50	130				
Naphthalene	1,500	180	950.4	448.6	108	50	130				
Phenanthrene	1,100	180	950.4	0	119	50	130				
Pyrene	1,000	180	950.4	0	108	50	130				
Surr: 2,4,6-Tribromophenol	2,000		1,521		134	50	130				S
Surr: 2-Fluorobiphenyl	1,000		1,521		67.6	50	130				
Surr: 2-Fluorophenol	1,400		1,521		90.4	50	130				
Surr: Nitrobenzene-d5	1,000		1,521		66.0	50	130				
Surr: Phenol-d5	1,300		1,521		86.3	50	130				
Surr: Terphenyl-d14	1,200		1,521		76.7	50	130				

Sample ID: 0709397-001B-MSD	SampType: MSD	TestCode: SW_8270S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: ZZZZZZ	Batch ID: 8386	TestNo: SW8270C		Analysis Date: 9/18/2007	SeqNo: 257900						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Methylnaphthalene	670	180	950.4	0	70.1	50	130	893.0	29.1	25	R
Acenaphthene	760	180	950.4	0	80.4	50	130	809.7	5.75	25	
Acenaphthylene	750	180	950.4	0	79.2	50	130	907.1	18.6	25	
Anthracene	810	180	950.4	0	84.9	50	130	873.6	7.92	25	
Benzo(a)anthracene	770	180	950.4	0	80.8	50	130	830.3	7.75	25	
Benzo(a)pyrene	770	180	950.4	0	81.5	50	130	859.9	10.4	25	
Benzo(b)fluoranthene	820	180	950.4	0	86.0	50	130	835.6	2.25	25	
Benzo(g,h,i)perylene	740	180	950.4	0	77.4	50	130	800.6	8.51	25	
Benzo(k)fluoranthene	800	180	950.4	0	84.4	50	130	900.2	11.5	25	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709373
Project: Torch Lake SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8270S

Sample ID: 0709397-001B-MSD	SampType: MSD	TestCode: SW_8270S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16287						
Client ID: ZZZZZZ	Batch ID: 8386	TestNo: SW8270C	Analysis Date: 9/18/2007	SeqNo: 257900							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	780	180	950.4	0	81.7	50	130	854.6	9.60	25	
Dibenz(a,h)anthracene	750	180	950.4	0	79.0	50	130	799.5	6.23	25	
Fluoranthene	760	180	950.4	0	79.8	50	130	1,003	27.8	25	R
Fluorene	800	180	950.4	0	84.6	50	130	952.7	16.9	25	
Indeno(1,2,3-cd)pyrene	750	180	950.4	0	79.4	50	130	831.0	9.64	25	
Naphthalene	700	180	950.4	448.6	26.9	50	130	1,472	70.6	25	SR
Phenanthrene	810	180	950.4	0	85.2	50	130	1,128	32.8	25	R
Pyrene	890	180	950.4	0	93.3	50	130	1,031	15.0	25	
Surr: 2,4,6-Tribromophenol	1,900		1,521		124	50	130		0	25	
Surr: 2-Fluorobiphenyl	980		1,521		64.4	50	130		0	25	
Surr: 2-Fluorophenol	1,300		1,521		84.2	50	130		0	25	
Surr: Nitrobenzene-d5	910		1,521		59.7	50	130		0	25	
Surr: Phenol-d5	1,300		1,521		83.1	50	130		0	25	
Surr: Terphenyl-d14	1,300		1,521		82.6	50	130		0	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		



31628 Glendale St.
Livonia, Michigan 48150
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Website: www.rtilab.com

September 25, 2007

Dan Capone
Weston Solutions of Illinois, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, IL 60061

TEL: (847) 918-4112
FAX (847) 918-4055

RE: Torch Lake AOC SA - 20405.016.002.0274

Order No.: 0709387

Dear Dan Capone:

RTI Laboratories received 14 sample(s) on 9/14/2007 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Lynch", with a stylized flourish extending to the right.

Robert Lynch
Manager, Environmental Services



31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Case Narrative

WO#: 0709387
Date: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake AOC SA - 20405.016.002.0274.00

This report in its entirety consists of the documents listed below. All documents contain the RTI Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.
2. A Cover Letter that immediately precedes the Paginated Report.
3. Paginated copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 10:13:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-001 **Matrix:** SOIL
Client Sample ID Traprock-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Total PCBs	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Surr: Decachlorobiphenyl	107	70-130		%REC	1	9/17/2007 5:11:02 PM
Surr: Tetrachloro-m-xylene	94.9	70-130		%REC	1	9/17/2007 5:11:02 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	9,800,000	100,000		µg/Kg-dry	1000	9/24/2007 12:17:21 PM
Arsenic	4,600	1,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Beryllium	590	5,100	J	µg/Kg-dry	100	9/21/2007 2:42:40 PM
Chromium	4,500	10,000	J	µg/Kg-dry	100	9/21/2007 2:42:40 PM
Cobalt	9,400	5,100		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Copper	360,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Lead	48,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Lithium	7,300	1,000		µg/Kg-dry	10	9/24/2007 6:02:52 PM
Manganese	390,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Nickel	30,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Silver	1,700	87		µg/Kg-dry	10	9/19/2007 7:36:34 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Zinc	95,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	52	17		µg/Kg-dry	1	9/18/2007 3:24:18 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 10:13:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-001 **Matrix:** SOIL
Client Sample ID Traprock-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	12	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * /X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
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- RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 10:49:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-002 **Matrix:** SOIL
Client Sample ID Traprock B-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082	Analyst: MB	
Aroclor 1016	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Total PCBs	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Surr: Decachlorobiphenyl	111	70-130		%REC	1	9/17/2007 5:51:26 PM
Surr: Tetrachloro-m-xylene	101	70-130		%REC	1	9/17/2007 5:51:26 PM
METALS, ICP/MS				SW6020A	Analyst: AB2	
Aluminum	13,000,000	110,000		µg/Kg-dry	1000	9/24/2007 12:24:31 PM
Arsenic	4,200	1,100		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Beryllium	1,400	5,300	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Chromium	ND	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Cobalt	440	5,300	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Copper	47,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Lead	17,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Lithium	11,000	1,100		µg/Kg-dry	10	9/24/2007 6:04:38 PM
Manganese	17,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Nickel	1,200	11,000	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Silver	180	64		µg/Kg-dry	10	9/19/2007 7:43:03 PM
Strontium	440,000	270,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Zinc	14,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
MERCURY				SW7471A	Analyst: AB2	
Mercury	4.7	14	J	µg/Kg-dry	1	9/18/2007 3:34:19 PM
PERCENT MOISTURE				D2216	Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-002 **Matrix:** SOIL
Client Sample ID Traprock B-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	5.9	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * /X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 12:13:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-003 **Matrix:** SOIL
Client Sample ID Bootjack B-17

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082	Analyst: MB	
Aroclor 1016	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1221	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1232	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1242	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1248	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1254	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1260	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1262	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Total PCBs	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Surr: Decachlorobiphenyl	104	70-130		%REC	1	9/17/2007 6:32:24 PM
Surr: Tetrachloro-m-xylene	93.8	70-130		%REC	1	9/17/2007 6:32:24 PM
METALS, ICP/MS				SW6020A	Analyst: AB2	
Aluminum	2,600,000	99,000		µg/Kg-dry	1000	9/24/2007 12:59:02 PM
Arsenic	1,700	990		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Beryllium	ND	5,000		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Chromium	ND	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Cobalt	1,700	5,000	J	µg/Kg-dry	100	9/21/2007 2:47:30 PM
Copper	110,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Lead	23,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Lithium	2,600	990		µg/Kg-dry	10	9/24/2007 6:06:24 PM
Manganese	48,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Nickel	5,300	9,900	J	µg/Kg-dry	100	9/21/2007 2:47:30 PM
Silver	64	130	J	µg/Kg-dry	10	9/19/2007 7:44:53 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Zinc	26,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
MERCURY				SW7471A	Analyst: AB2	
Mercury	16	21	J	µg/Kg-dry	1	9/18/2007 3:35:59 PM
PERCENT MOISTURE				D2216	Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits



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Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-003 **Matrix:** SOIL
Client Sample ID Bootjack B-17

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	24	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 4:49:00 PM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-004 **Matrix:** SOIL
Client Sample ID MGPB-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1221	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1232	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1242	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1248	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1254	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1260	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1262	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Total PCBs	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Surr: Decachlorobiphenyl	117	70-130		%REC	1	9/17/2007 7:12:57 PM
Surr: Tetrachloro-m-xylene	107	70-130		%REC	1	9/17/2007 7:12:57 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	2,300,000	90,000		µg/Kg-dry	1000	9/24/2007 12:26:25 PM
Arsenic	14,000	900		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Beryllium	ND	4,500		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Chromium	2,100	9,000	J	µg/Kg-dry	100	9/21/2007 2:49:55 PM
Cobalt	13,000	4,500		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Copper	1,500,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Lead	64,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Lithium	4,500	900		µg/Kg-dry	10	9/24/2007 6:08:09 PM
Manganese	370,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Nickel	18,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Silver	2,800	81		µg/Kg-dry	10	9/19/2007 7:46:45 PM
Strontium	ND	230,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Zinc	93,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	500	24		µg/Kg-dry	1	9/18/2007 3:37:39 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/11/2007 4:49:00 PM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-004 **Matrix:** SOIL
Client Sample ID MGPB-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	16	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007 10:23:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-005 **Matrix:** SOIL
Client Sample ID Mickelson B-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1221	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1232	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1242	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1248	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1254	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1260	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1262	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Total PCBs	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Surr: Decachlorobiphenyl	121	70-130		%REC	1	9/17/2007 7:53:34 PM
Surr: Tetrachloro-m-xylene	113	70-130		%REC	1	9/17/2007 7:53:34 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	7,800,000	79,000		µg/Kg-dry	1000	9/24/2007 12:28:19 PM
Arsenic	14,000	790		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Beryllium	730	4,000	J	µg/Kg-dry	100	9/21/2007 2:52:21 PM
Chromium	980,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Cobalt	16,000	4,000		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Copper	490,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Lead	25,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Lithium	4,000	790		µg/Kg-dry	10	9/24/2007 6:09:55 PM
Manganese	650,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Nickel	180,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Silver	510	100		µg/Kg-dry	10	9/19/2007 7:48:37 PM
Strontium	ND	200,000		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Zinc	43,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	15	15	J	µg/Kg-dry	1	9/18/2007 3:39:20 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits



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CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007 10:23:00 AM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-005 **Matrix:** SOIL
Client Sample ID Mickelson B-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	21	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007 2:42:00 PM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-006 **Matrix:** SOIL
Client Sample ID H & Y Marina B-19

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1221	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1232	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1242	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1248	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1254	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1260	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1262	11	36	J	µg/Kg-dry	1	9/17/2007 8:34:31 PM
Total PCBs	11	36	J	µg/Kg-dry	1	9/17/2007 8:34:31 PM
Surr: Decachlorobiphenyl	105	70-130		%REC	1	9/17/2007 8:34:31 PM
Surr: Tetrachloro-m-xylene	94.9	70-130		%REC	1	9/17/2007 8:34:31 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	1,800,000	69,000		µg/Kg-dry	1000	9/24/2007 1:00:56 PM
Arsenic	30,000	690		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Beryllium	ND	3,400		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Chromium	460,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Cobalt	37,000	3,400		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Copper	470,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Lead	440,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Lithium	740	690		µg/Kg-dry	10	9/24/2007 6:16:08 PM
Manganese	5,500,000	69,000		µg/Kg-dry	1000	9/24/2007 4:03:20 PM
Nickel	250,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Silver	380	89		µg/Kg-dry	10	9/19/2007 7:50:28 PM
Strontium	ND	170,000		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Zinc	83,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	9.9	27	J	µg/Kg-dry	1	9/18/2007 3:40:59 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



RTI LABORATORIES, INC.

31628 Glendale St.
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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007 2:42:00 PM
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-006 **Matrix:** SOIL
Client Sample ID H & Y Marina B-19

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	8.9	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

* / X	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/10/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-007 **Matrix:** SOIL
Client Sample ID Gay S1-21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082	Analyst: MB	
Aroclor 1016	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1221	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1232	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1242	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1248	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1254	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1260	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1262	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Total PCBs	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Surr: Decachlorobiphenyl	120	70-130		%REC	1	9/17/2007 9:15:09 PM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/17/2007 9:15:09 PM
METALS, ICP/MS				SW6020A	Analyst: AB2	
Aluminum	15,000,000	86,000		µg/Kg-dry	1000	9/24/2007 12:30:11 PM
Arsenic	670	860	J	µg/Kg-dry	100	9/21/2007 3:52:05 PM
Beryllium	ND	4,300		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Chromium	19,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Cobalt	18,000	4,300		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Copper	1,400,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Lead	1,500	8,600	J	µg/Kg-dry	100	9/21/2007 3:52:05 PM
Lithium	5,100	860		µg/Kg-dry	10	9/24/2007 6:17:54 PM
Manganese	300,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Nickel	23,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Silver	800	88		µg/Kg-dry	10	9/19/2007 7:52:18 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Zinc	62,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
MERCURY				SW7471A	Analyst: AB2	
Mercury	5.5	18	J	µg/Kg-dry	1	9/18/2007 3:42:37 PM
PERCENT MOISTURE				D2216	Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/10/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-007 **Matrix:** SOIL
Client Sample ID Gay S1-21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	1.7	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-008 **Matrix:** SOIL
Client Sample ID Lake Linden S2-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1221	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1232	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1242	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1248	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1254	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1260	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1262	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Total PCBs	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Surr: Decachlorobiphenyl	101	70-130		%REC	1	9/17/2007 9:55:59 PM
Surr: Tetrachloro-m-xylene	93.7	70-130		%REC	1	9/17/2007 9:55:59 PM
METALS, ICP/MS		SW6020A		Analyst: AB2		
Aluminum	11,000,000	110,000		µg/Kg-dry	1000	9/24/2007 12:32:04 PM
Arsenic	1,100	1,100	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Beryllium	940	5,400	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Chromium	20,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Cobalt	14,000	5,400		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Copper	2,100,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Lead	6,900	11,000	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Lithium	6,000	1,100		µg/Kg-dry	10	9/24/2007 6:19:42 PM
Manganese	350,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Nickel	34,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Silver	1,300	120		µg/Kg-dry	10	9/19/2007 7:54:07 PM
Strontium	ND	270,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Zinc	130,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
MERCURY		SW7471A		Analyst: AB2		
Mercury	29	12		µg/Kg-dry	1	9/18/2007 3:44:15 PM
PERCENT MOISTURE		D2216		Analyst: JE		

Qualifiers: */X Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-008

Matrix: SOIL

Client Sample ID Lake Linden S2-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	24	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * /X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-009 **Matrix:** SOIL
Client Sample ID TMS1-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Total PCBs	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Surr: Decachlorobiphenyl	113	70-130		%REC	1	9/17/2007 10:36:34 PM
Surr: Tetrachloro-m-xylene	99.6	70-130		%REC	1	9/17/2007 10:36:34 PM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	19,000,000	67,000		µg/Kg-dry	1000	9/24/2007 12:33:57 PM
Arsenic	350	670	J	µg/Kg-dry	100	9/21/2007 3:56:58 PM
Beryllium	ND	3,300		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Chromium	14,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Cobalt	15,000	3,300		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Copper	2,700,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Lead	8,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Lithium	7,100	670		µg/Kg-dry	10	9/24/2007 6:21:30 PM
Manganese	430,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Nickel	24,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Silver	1,200	64		µg/Kg-dry	10	9/19/2007 7:55:57 PM
Strontium	ND	170,000		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Zinc	59,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	38	13		µg/Kg-dry	1	9/18/2007 3:45:54 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-009

Matrix: SOIL

Client Sample ID TMS1-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	4.7	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-010 **Matrix:** SOIL
Client Sample ID TMS1-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Total PCBs	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Surr: Decachlorobiphenyl	123	70-130		%REC	1	9/18/2007 2:00:07 AM
Surr: Tetrachloro-m-xylene	91.1	70-130		%REC	1	9/18/2007 2:00:07 AM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	20,000,000	110,000		µg/Kg-dry	1000	9/24/2007 12:35:49 PM
Arsenic	9,800	1,100		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Beryllium	580	5,400	J	µg/Kg-dry	100	9/21/2007 4:14:58 PM
Chromium	20,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Cobalt	21,000	5,400		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Copper	9,100,000	110,000		µg/Kg-dry	1000	9/24/2007 2:19:52 PM
Lead	530,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Lithium	5,000	1,100		µg/Kg-dry	10	9/24/2007 6:32:08 PM
Manganese	530,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Nickel	30,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Silver	2,400	74		µg/Kg-dry	10	9/19/2007 6:45:02 PM
Strontium	ND	270,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Zinc	100,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	220	18		µg/Kg-dry	1	9/18/2007 3:56:32 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-010

Matrix: SOIL

Client Sample ID TMS1-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	10	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-011 **Matrix:** SOIL
Client Sample ID TMS2-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1221	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1232	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1242	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1248	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1254	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1260	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1262	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Total PCBs	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Surr: Decachlorobiphenyl	119	70-130		%REC	1	9/18/2007 2:40:35 AM
Surr: Tetrachloro-m-xylene	100	70-130		%REC	1	9/18/2007 2:40:35 AM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	27,000,000	86,000		µg/Kg-dry	1000	9/24/2007 12:37:42 PM
Arsenic	1,200	860		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Beryllium	ND	4,300		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Chromium	19,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Cobalt	25,000	4,300		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Copper	2,000,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Lead	7,300	8,600	J	µg/Kg-dry	100	9/21/2007 4:22:13 PM
Lithium	6,300	860		µg/Kg-dry	10	9/24/2007 6:37:26 PM
Manganese	670,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Nickel	34,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Silver	1,400	100		µg/Kg-dry	10	9/19/2007 6:46:52 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Zinc	87,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	44	16		µg/Kg-dry	1	9/18/2007 3:58:12 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level B Analyte detected in the associated Method Blank
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits M Manual Integration used to determine area response
ND Not Detected at the Reporting Limit RL Reporting Detection Limit
S Spike Recovery outside accepted recovery limits



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-011

Matrix: SOIL

Client Sample ID TMS2-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	14	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-012 **Matrix:** SOIL
Client Sample ID HubS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082	Analyst: MB	
Aroclor 1016	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Total PCBs	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Surr: Decachlorobiphenyl	118	70-130		%REC	1	9/18/2007 3:21:30 AM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/18/2007 3:21:30 AM
METALS, ICP/MS				SW6020A	Analyst: AB2	
Aluminum	15,000,000	90,000		µg/Kg-dry	1000	9/24/2007 12:39:34 PM
Arsenic	4,800	900		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Beryllium	ND	4,500		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Chromium	24,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Cobalt	21,000	4,500		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Copper	6,000,000	90,000		µg/Kg-dry	1000	9/25/2007 4:13:44 PM
Lead	11,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Lithium	12,000	800		µg/Kg-dry	10	9/24/2007 6:39:13 PM
Manganese	320,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Nickel	39,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Silver	990	80		µg/Kg-dry	10	9/19/2007 6:48:42 PM
Strontium	ND	220,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Zinc	95,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
MERCURY				SW7471A	Analyst: AB2	
Mercury	3.6	16	J	µg/Kg-dry	1	9/18/2007 3:59:53 PM
PERCENT MOISTURE				D2216	Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-012 **Matrix:** SOIL
Client Sample ID HubS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	5.0	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-013 **Matrix:** SOIL
Client Sample ID MSS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082			Analyst: MB	
Aroclor 1016	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1221	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1232	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1242	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1248	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1254	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1260	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1262	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Total PCBs	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Surr: Decachlorobiphenyl	121	70-130		%REC	1	9/18/2007 4:01:59 AM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/18/2007 4:01:59 AM
METALS, ICP/MS		SW6020A			Analyst: AB2	
Aluminum	9,700,000	98,000		µg/Kg-dry	1000	9/24/2007 12:41:27 PM
Arsenic	ND	980		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Beryllium	ND	4,900		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Chromium	7,100	9,800	J	µg/Kg-dry	100	9/21/2007 4:27:04 PM
Cobalt	7,700	4,900		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Copper	230,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Lead	6,700	9,800	J	µg/Kg-dry	100	9/21/2007 4:27:04 PM
Lithium	3,100	980		µg/Kg-dry	10	9/24/2007 6:40:59 PM
Manganese	240,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Nickel	14,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Silver	370	99		µg/Kg-dry	10	9/19/2007 6:50:29 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Zinc	60,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
MERCURY		SW7471A			Analyst: AB2	
Mercury	22	19		µg/Kg-dry	1	9/18/2007 4:01:33 PM
PERCENT MOISTURE		D2216			Analyst: JE	

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-013

Matrix: SOIL

Client Sample ID MSS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	21	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-014 **Matrix:** SOIL
Client Sample ID MSS1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Total PCBs	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Surr: Decachlorobiphenyl	123	70-130		%REC	1	9/18/2007 4:42:28 AM
Surr: Tetrachloro-m-xylene	106	70-130		%REC	1	9/18/2007 4:42:28 AM
METALS, ICP/MS		SW6020A		Analyst: AB2		
Aluminum	23,000,000	84,000		µg/Kg-dry	1000	9/24/2007 12:47:32 PM
Arsenic	8,600	840		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Beryllium	ND	4,200		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Chromium	18,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Cobalt	18,000	4,200		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Copper	2,500,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Lead	200,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Lithium	7,600	840		µg/Kg-dry	10	9/24/2007 6:26:49 PM
Manganese	550,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Nickel	31,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Silver	3,100	97		µg/Kg-dry	10	9/19/2007 6:52:17 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Zinc	170,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
MERCURY		SW7471A		Analyst: AB2		
Mercury	280	21		µg/Kg-dry	1	9/18/2007 4:03:15 PM
PERCENT MOISTURE		D2216		Analyst: JE		

Qualifiers: */X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit



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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-014

Matrix: SOIL

Client Sample ID MSS1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	10	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- * / X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT**TestCode: PMOIST**

Sample ID: 0709373-010ADUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date:	RunNo: 16264						
Client ID: ZZZZZZ	Batch ID: R16264	TestNo: D2216		Analysis Date: 9/17/2007	SeqNo: 257565						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.2	1.0						4.494	13.8	20	

Sample ID: 0709387-010ADUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date:	RunNo: 16264						
Client ID: TMS1-5	Batch ID: R16264	TestNo: D2216		Analysis Date: 9/17/2007	SeqNo: 257577						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	9.1	1.0						9.963	9.15	20	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: 0709361-001B-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: ZZZZZZ	Batch ID: 8388	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	54,000	100	50,710	491.3	105	75	125				
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Sample ID: 0709361-001B-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: ZZZZZZ	Batch ID: 8388	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258623						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	59,000	110	55,320	491.3	106	75	125	53,790	9.25	25	
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Sample ID: LCS-8388	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: LCSS	Batch ID: 8388	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	1,000	100	1,000	0	104	80	120				
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Sample ID: LCS-8390	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: LCSS	Batch ID: 8390	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	1,100	100	1,000	0	109	80	120				
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Sample ID: MB-8388	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: PBS	Batch ID: 8388	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	ND	10									
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Sample ID: MB-8390	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: PBS	Batch ID: 8390	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: MB-8390	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16308						
Client ID: PBS	Batch ID: 8390	TestNo: SW6020A		Analysis Date: 9/19/2007	SeqNo: 258642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver ND 10

Sample ID: 0709361-001B-DUP	SampType: DUP	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date:	RunNo: 16346						
Client ID: ZZZZZZ	Batch ID: 8388	TestNo: SW6020A		Analysis Date: 9/20/2007	SeqNo: 259130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 4,700 12,000 3,465,000 0 25 J

Sample ID: LCS-8404	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16346						
Client ID: LCSS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/20/2007	SeqNo: 259139						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 910 20 1,000 0 91.1 80 120

Sample ID: MB-8404	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16346						
Client ID: PBS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/20/2007	SeqNo: 259140						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 100

Sample ID: 0709373-001A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: ZZZZZZ	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259885						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	4,300,000	9,000	45,070	5,375,000	-2,470	75	125				S
Arsenic	370,000	900	45,070	354,700	27.5	75	125				S
Beryllium	44,000	4,500	45,070	521.9	97.0	75	125				
Chromium	65,000	9,000	45,070	16,440	109	75	125				
Cobalt	53,000	4,500	45,070	13,140	89.5	75	125				
Copper	270,000,000	9,000	45,070	277,700,000	-22,100	75	125				S

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: 0709373-001A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: ZZZZZZ	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259885						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250,000	9,000	45,070	291,000	-97.6	75	125				S
Manganese	250,000	9,000	45,070	272,500	-57.1	75	125				S
Nickel	67,000	9,000	45,070	32,890	75.9	75	125				
Zinc	170,000	9,000	45,070	182,700	-33.3	75	125				S

Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: ZZZZZZ	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259886						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5,300,000	10,000	50,300	5,375,000	-125	75	125	4,261,000	21.9	25	S
Arsenic	510,000	1,000	50,300	354,700	301	75	125	367,100	31.8	25	SR
Beryllium	55,000	5,000	50,300	521.9	108	75	125	44,250	21.3	25	
Chromium	78,000	10,000	50,300	16,440	122	75	125	65,360	17.6	25	
Cobalt	62,000	5,000	50,300	13,140	96.8	75	125	53,470	14.5	25	
Copper	370,000,000	10,000	50,300	277,700,000	188,000	75	125	267,700,000	32.6	25	SR
Lead	380,000	10,000	50,300	291,000	170	75	125	247,000	41.6	25	SR
Manganese	280,000	10,000	50,300	272,500	18.8	75	125	246,800	13.3	25	S
Nickel	80,000	10,000	50,300	32,890	93.8	75	125	67,130	17.6	25	
Zinc	230,000	10,000	50,300	182,700	98.4	75	125	167,600	32.3	25	R

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A	Analysis Date: 9/21/2007	SeqNo: 259914							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1,000	1,000	1,000	0	102	80	120				
Arsenic	1,000	100	1,000	0	102	80	120				
Beryllium	1,000	500	1,000	0	100	80	120				
Chromium	1,000	1,000	1,000	0	104	80	120				
Cobalt	1,000	500	1,000	0	104	80	120				
Copper	1,000	1,000	1,000	0	105	80	120				
Lead	980	1,000	1,000	0	97.9	80	120				J

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation lin
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Manganese	1,000	1,000	1,000	0	104	80	120				
Nickel	1,000	1,000	1,000	0	102	80	120				
Zinc	950	1,000	1,000	0	94.8	80	120				J

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16388						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	100									
Arsenic	ND	10									
Beryllium	ND	50									
Chromium	ND	100									
Cobalt	ND	50									
Copper	ND	100									
Lead	ND	100									
Manganese	ND	100									
Nickel	ND	100									
Strontium	ND	2,500									
Zinc	ND	100									

Sample ID: LCS-8404	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16388						
Client ID: LCSS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	950	1,000	1,000	0	94.9	80	120				J
Arsenic	1,100	100	1,000	0	115	80	120				
Beryllium	940	500	1,000	0	94.0	80	120				
Chromium	950	1,000	1,000	0	94.9	80	120				J
Cobalt	960	500	1,000	0	96.3	80	120				
Copper	1,200	1,000	1,000	0	119	80	120				
Lead	980	1,000	1,000	0	98.4	80	120				J

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: LCS-8404	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16388						
Client ID: LCSS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	950	1,000	1,000	0	95.2	80	120				J
Nickel	960	1,000	1,000	0	95.7	80	120				J
Zinc	1,100	1,000	1,000	0	106	80	120				

Sample ID: MB-8404	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16388						
Client ID: PBS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/21/2007	SeqNo: 259928						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	100									
Arsenic	ND	10									
Beryllium	ND	50									
Chromium	ND	100									
Cobalt	ND	50									
Copper	ND	100									
Lead	ND	100									
Manganese	ND	100									
Nickel	ND	100									
Strontium	ND	2,500									
Zinc	ND	100									

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260416						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	980	1,000	1,000	0	98.0	80	120				J

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limit
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper ND 100

Sample ID: 0709373-001A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: ZZZZZZ	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium 54,000 900 45,070 2,975 114 75 125

Sample ID: 0709373-001A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: ZZZZZZ	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium 59,000 1,000 50,300 2,975 112 75 125 54,490 8.42 25

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium 1,200 1,000 1,000 0 115 80 120

Sample ID: LCS-8404	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260623						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium 1,100 1,000 1,000 0 106 80 120

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260624						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation lin
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260624						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	ND	100									
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Sample ID: MB-8404	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	ND	100									
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Sample ID: 0709387-014A-MS	SampType: MS	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date:	RunNo: 16410						
Client ID: MSS1-13	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	51,000	840	41,770	7,621	104	75	125				
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Sample ID: 0709387-014A-MSD	SampType: MSD	TestCode: SW_6020S	Units: µg/Kg-dry	Prep Date:	RunNo: 16410						
Client ID: MSS1-13	Batch ID: 8404	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 260630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lithium	51,000	840	41,770	7,621	103	75	125	50,920	0.356	25	
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Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 261241						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	1,000	1,000	0	0	80	120				S
Arsenic	ND	100	1,000	0	0	80	120				S
Beryllium	ND	500	1,000	0	0	80	120				S
Chromium	ND	1,000	1,000	0	0	80	120				S
Cobalt	ND	500	1,000	0	0	80	120				S
Copper	ND	1,000	1,000	0	0	80	120				S

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_6020S

Sample ID: LCS-8389	SampType: LCS	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: LCSS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 261241						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1,000	1,000	0	0	80	120				S
Manganese	1,100	1,000	1,000	0	109	80	120				
Nickel	ND	1,000	1,000	0	0	80	120				S
Silver	ND	100	1,000	0	0	80	120				S
Zinc	1,000	1,000	1,000	0	105	80	120				

Sample ID: MB-8389	SampType: MBLK	TestCode: SW_6020S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16410						
Client ID: PBS	Batch ID: 8389	TestNo: SW6020A		Analysis Date: 9/24/2007	SeqNo: 261242						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	100									
Arsenic	ND	10									
Beryllium	ND	50									
Chromium	ND	100									
Cobalt	ND	50									
Copper	ND	100									
Lead	ND	100									
Lithium	ND	100									
Manganese	ND	100									
Nickel	ND	100									
Silver	ND	10									
Strontium	ND	2,500									
Zinc	ND	100									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: MB-8402	SampType: MBLK	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: PBS	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257939						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 24

Sample ID: LCS-8402	SampType: LCS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: LCSS	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257940						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 190 21 208.3 0 91.3 80 120

Sample ID: 0709387-001A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: Traprock-8	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257942						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 260 21 209.9 52.07 99.6 80 120

Sample ID: 0709387-001A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg-dry	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: Traprock-8	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257945						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 310 25 246.4 52.07 104 80 120 261.1 16.5 25

Sample ID: 0709421-001A-MS	SampType: MS	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257958						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 370 13 128.2 187.1 141 80 120 S

Sample ID: 0709421-001A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257959						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation lin
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
RL Reporting Detection Limit S Spike Recovery outside accepted recovery limits

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_7471S

Sample ID: 0709421-001A-MSD	SampType: MSD	TestCode: SW_7471S	Units: µg/Kg	Prep Date: 9/18/2007	RunNo: 16278						
Client ID: ZZZZZZ	Batch ID: 8402	TestNo: SW7471A		Analysis Date: 9/18/2007	SeqNo: 257959						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	360	15	147.1	187.1	120	80	120	367.8	1.27	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: lcs-8383	SampType: LCS	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: LCSS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257552						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	33	166.7	0	103	70	130				
Aroclor 1260	180	33	166.7	0	106	70	130				
AROCLOR-1016-1	170	33	166.7	0	102	70	130				
AROCLOR-1016-2	170	33	166.7	0	102	70	130				
AROCLOR-1016-3	160	33	166.7	0	98.2	70	130				
AROCLOR-1016-4	180	33	166.7	0	110	70	130				
AROCLOR-1016-5	170	33	166.7	0	105	70	130				
AROCLOR-1260-1	170	33	166.7	0	101	70	130				
AROCLOR-1260-2	170	33	166.7	0	103	70	130				
AROCLOR-1260-3	190	33	166.7	0	111	70	130				
AROCLOR-1260-4	180	33	166.7	0	111	70	130				
AROCLOR-1260-5	170	33	166.7	0	103	70	130				
Surr: Decachlorobiphenyl	9.5		8.300		114	70	130				
Surr: Tetrachloro-m-xylene	8.9		8.300		108	70	130				

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Total PCBs	ND	33									
AROCLOR-1016-1	ND	33									
AROCLOR-1016-2	ND	33									
AROCLOR-1016-3	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1016-4	ND	33									
AROCLOR-1016-5	ND	33									
AROCLOR-1221-1	ND	33									
AROCLOR-1221-2	ND	33									
AROCLOR-1221-3	ND	33									
AROCLOR-1221-4	ND	33									
AROCLOR-1221-5	ND	33									
AROCLOR-1232-1	ND	33									
AROCLOR-1232-2	ND	33									
AROCLOR-1232-3	ND	33									
AROCLOR-1232-4	ND	33									
AROCLOR-1232-5	ND	33									
AROCLOR-1242-1	ND	33									
AROCLOR-1242-2	ND	33									
AROCLOR-1242-3	ND	33									
AROCLOR-1242-4	ND	33									
AROCLOR-1242-5	ND	33									
AROCLOR-1248-1	ND	33									
AROCLOR-1248-2	ND	33									
AROCLOR-1248-3	ND	33									
AROCLOR-1248-4	ND	33									
AROCLOR-1248-5	ND	33									
AROCLOR-1254-1	ND	33									
AROCLOR-1254-2	ND	33									
AROCLOR-1254-3	ND	33									
AROCLOR-1254-4	ND	33									
AROCLOR-1254-5	ND	33									
AROCLOR-1260-1	ND	33									
AROCLOR-1260-2	ND	33									
AROCLOR-1260-3	ND	33									
AROCLOR-1260-4	ND	33									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8383	SampType: MBLK	TestCode: SW_8082S	Units: µg/Kg	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 257553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

AROCLOR-1260-5	ND	33									
AROCLOR-1262-1	ND	33									
AROCLOR-1262-2	ND	33									
AROCLOR-1262-3	ND	33									
AROCLOR-1262-4	ND	33									
AROCLOR-1262-5	ND	33									
Surr: Decachlorobiphenyl	9.7		8.300		117	70	130				
Surr: Tetrachloro-m-xylene	9.2		8.300		111	70	130				

Sample ID: 0709387-006a-ms	SampType: ms	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: H & Y Marina B-19	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258437						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	170	36	183.0	0	94.8	70	130				
Aroclor 1260	220	36	183.0	0	121	70	130				
Surr: Decachlorobiphenyl	12		9.114		127	70	130				
Surr: Tetrachloro-m-xylene	10		9.114		110	70	130				

Sample ID: 0709387-006a-msd	SampType: msd	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: H & Y Marina B-19	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258438						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	160	36	183.0	0	87.5	17.2	175	173.4	7.92	25	
Aroclor 1260	220	36	183.0	0	121	51.6	142	221.6	0.328	25	
Surr: Decachlorobiphenyl	11		9.114		118	66.8	151		0	25	
Surr: Tetrachloro-m-xylene	9.4		9.114		103	49.4	143		0	25	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: 0709387-010a-ms	SampType: ms	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: TMS1-5	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/18/2007	SeqNo: 258443						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	37	185.1	0	92.0	70	130				
Aroclor 1260	200	37	185.1	0	110	70	130				
Surr: Decachlorobiphenyl	13		9.218		136	70	130				S
Surr: Tetrachloro-m-xylene	9.7		9.218		105	70	130				

Sample ID: 0709387-010a-msd	SampType: msd	TestCode: sw_8082s	Units: µg/Kg-dry	Prep Date: 9/17/2007	RunNo: 16263						
Client ID: TMS1-5	Batch ID: 8383	TestNo: SW8082		Analysis Date: 9/18/2007	SeqNo: 258444						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	37	185.1	0	94.1	17.2	175	170.4	2.16	25	
Aroclor 1260	210	37	185.1	0	113	51.6	142	203.8	2.99	25	
Surr: Decachlorobiphenyl	0		9.218		0	66.8	151		0	25	S
Surr: Tetrachloro-m-xylene	9.8		9.218		107	49.4	143		0	25	

Sample ID: lcs-8381	SampType: lcs	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: LCSS	Batch ID: 8381	TestNo: SW8082	Analysis Date: 9/17/2007	SeqNo: 258466							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	33	166.7	0	111	70	130				
Aroclor 1260	180	33	166.7	0	105	70	130				
AROCLOR-1016-1	160	33	166.7	0	97.3	70	130				
AROCLOR-1016-2	180	33	166.7	0	108	70	130				
AROCLOR-1016-3	150	33	166.7	0	91.8	70	130				
AROCLOR-1016-4	170	33	166.7	0	102	70	130				
AROCLOR-1016-5	260	33	166.7	0	155	70	130				S
AROCLOR-1260-1	160	33	166.7	0	96.5	70	130				
AROCLOR-1260-2	170	33	166.7	0	103	70	130				
AROCLOR-1260-3	180	33	166.7	0	110	70	130				
AROCLOR-1260-4	180	33	166.7	0	110	70	130				
AROCLOR-1260-5	180	33	166.7	0	106	70	130				
Surr: Decachlorobiphenyl	9.5		8.300		115	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: lcs-8381		SampType: lcs		TestCode: sw_8082s		Units: µg/Kg		Prep Date: 9/16/2007		RunNo: 16263	
Client ID: LCSS		Batch ID: 8381		TestNo: SW8082				Analysis Date: 9/17/2007		SeqNo: 258466	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Tetrachloro-m-xylene 8.2 8.300 98.4 70 130

Sample ID: mb-8381	SampType: mblik	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	33
Aroclor 1221	ND	33
Aroclor 1232	ND	33
Aroclor 1242	ND	33
Aroclor 1248	ND	33
Aroclor 1254	ND	33
Aroclor 1260	ND	33
Aroclor 1262	ND	33
Total PCBs	ND	33
AROCLOR-1016-1	ND	33
AROCLOR-1016-2	ND	33
AROCLOR-1016-3	ND	33
AROCLOR-1016-4	ND	33
AROCLOR-1016-5	ND	33
AROCLOR-1221-1	ND	33
AROCLOR-1221-2	ND	33
AROCLOR-1221-3	ND	33
AROCLOR-1221-4	ND	33
AROCLOR-1221-5	ND	33
AROCLOR-1232-1	ND	33
AROCLOR-1232-2	ND	33
AROCLOR-1232-3	ND	33
AROCLOR-1232-4	ND	33
AROCLOR-1232-5	ND	33
AROCLOR-1242-1	ND	33

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

CLIENT: Weston Solutions of Illinois, Inc.
Work Order: 0709387
Project: Torch Lake AOC SA - 20405.016.002.0274.00

QC SUMMARY REPORT

TestCode: SW_8082S

Sample ID: mb-8381	SampType: mblk	TestCode: sw_8082s	Units: µg/Kg	Prep Date: 9/16/2007	RunNo: 16263						
Client ID: PBS	Batch ID: 8381	TestNo: SW8082		Analysis Date: 9/17/2007	SeqNo: 258471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
AROCLOR-1242-2	ND	33									
AROCLOR-1242-3	ND	33									
AROCLOR-1242-4	ND	33									
AROCLOR-1242-5	ND	33									
AROCLOR-1248-1	ND	33									
AROCLOR-1248-2	ND	33									
AROCLOR-1248-3	ND	33									
AROCLOR-1248-4	ND	33									
AROCLOR-1248-5	ND	33									
AROCLOR-1254-1	ND	33									
AROCLOR-1254-2	ND	33									
AROCLOR-1254-3	ND	33									
AROCLOR-1254-4	ND	33									
AROCLOR-1254-5	ND	33									
AROCLOR-1260-1	ND	33									
AROCLOR-1260-2	ND	33									
AROCLOR-1260-3	ND	33									
AROCLOR-1260-4	ND	33									
AROCLOR-1260-5	ND	33									
AROCLOR-1262-1	ND	33									
AROCLOR-1262-2	ND	33									
AROCLOR-1262-3	ND	33									
AROCLOR-1262-4	ND	33									
AROCLOR-1262-5	ND	33									
Surr: Decachlorobiphenyl	9.0		8.300		109	70	130				
Surr: Tetrachloro-m-xylene	8.4		8.300		101	70	130				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation lin
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits		

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709387**

Polychlorinated Biphenyls by U.S. EPA Method 8082

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
Traprock-8	0709387-001	Soil	9/11/07	9/16/07	9/17/07
Traprock-B-12	0709387-002	Soil	9/11/07	9/16/07	9/17/07
Bootjack B-17	0709387-003	Soil	9/11/07	9/16/07	9/17/07
MGPB-1	0709387-004	Soil	9/11/07	9/16/07	9/17/07
Mickelson B-6	0709387-005	Soil	9/12/07	9/16/07	9/17/07
H&Y Marina B-19	0709387-006	Soil	9/12/07	9/17/07	9/17/07
Gay S1-21	0709387-007	Soil	9/10/07	9/16/07	9/17/07
Lake Linden S2-8	0709387-008	Soil	9/12/07	9/16/07	9/17/07
TMS1-2	0709387-009	Soil	9/12/07	9/16/07	9/17/07
TMS1-5	0709387-010	Soil	9/12/07	9/16/07	9/18/07
TMS2-2	0709387-011	Soil	9/12/07	9/16/07	9/18/07
HubS1-12	0709387-012	Soil	9/12/07	9/16/07	9/18/07
MSS1-12	0709387-013	Soil	9/12/07	9/16/07	9/18/07
MSS1-13	0709387-014	Soil	9/12/07	9/16/07	9/18/07

2. Sample Receipt and Holding Times

The samples were received in good condition and were analyzed within the required holding time.

3. Blanks

Two method blanks were associated with these samples. Both method blanks were free of contamination.

4. Laboratory Control Samples

Two laboratory control sample audits were associated with these samples. The Aroclor-1016-5 recovery (155%) for the laboratory control sample associated with Lab Batch 8381 was outside the laboratory

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709387**

Polychlorinated Biphenyls by U.S. EPA Method 8082

4. Laboratory Control Samples (Continued)

generated quality control limits. Qualify the Aroclor-1016 results in all samples except H & Y Marina B-19 as estimated (J/UJ).

5. Matrix Spike/Matrix Spike Duplicate

Sample H & Y Marina B-19 was used for the matrix spike/matrix spike duplicate audit. All matrix spike recoveries and matrix spike duplicate recoveries were within the laboratory generated quality control limits. All matrix spike/matrix spike duplicate relative percent difference values were within the laboratory generated quality control limits.

Sample TMS1-5 was also used for the matrix spike/matrix spike duplicate audit. All matrix spike recoveries and matrix spike duplicate recoveries were within the laboratory generated quality control limits. All matrix spike/matrix spike duplicate relative percent difference values were within the laboratory generated quality control limits.

6. Surrogate Spike Recoveries

All Decachlorobiphenyl and Tetrachloro-m-xylene surrogate spike recoveries for all samples were within the laboratory generated quality control limits.

XKroble 9/26/07

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709387**

Total Metals by U.S. EPA Methods 6020A and 7471A

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
Traprock-8	0709387-001	Soil	9/11/07	NP	9/18; 9/19; 9/21; 9/24
Traprock-B-12	0709387-002	Soil	9/11/07	NP	9/18; 9/19; 9/21; 9/24
Bootjack B-17	0709387-003	Soil	9/11/07	NP	9/18; 9/19; 9/21; 9/24
MGPB-1	0709387-004	Soil	9/11/07	NP	9/18; 9/19; 9/21; 9/24
Mickelson B-6	0709387-005	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
H&Y Marina B-19	0709387-006	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
Gay S1-21	0709387-007	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Lake Linden S2-8	0709387-008	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
TMS1-2	0709387-009	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
TMS1-5	0709387-010	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
TMS2-2	0709387-011	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
HubS1-12	0709387-012	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24; 9/25
MSS1-12	0709387-013	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24
MSS1-13	0709387-014	Soil	9/12/07	NP	9/18; 9/19; 9/21; 9/24

NP = Not presented with the data package

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709387**

Total Metals by U.S. EPA Methods 6020A and 7471A

2. Sample Receipt and Holding Times

The samples were received in good condition and were analyzed within the required holding time.

3. Blanks

The mercury, lead, silver, copper and lithium method blanks associated with these samples were free of contamination. The three total metals method blanks associated with these samples were free of contamination.

4. Laboratory Control Samples

The laboratory control sample recoveries for aluminum (0%), arsenic (0%), beryllium (0%), chromium (0%), cobalt (0%), copper (0%), lead (0%), nickel (0%) and silver (0%) in Lab Batch 8389 were outside the laboratory generated quality control limits. Qualify the aluminum, arsenic, beryllium, chromium, cobalt, copper, lead, nickel, and silver results in samples Traprock-8, Traprock B-12, Bootjack B-17, MGPB-1, Mickelson-B-6, H & Y Marina B-19, Gay S1-21, Lake Linden S2-8 and TMS1-2 as estimated (J/UJ).

5. Matrix Spike/Matrix Spike Duplicate

Sample Traprock-8 was used for the mercury matrix spike/matrix spike duplicate audit. The mercury matrix spike and matrix spike duplicate recoveries were within the laboratory generated quality control limits. The mercury matrix spike/matrix spike duplicate relative percent difference value was within the laboratory generated quality control limits.

Sample MSS1-13 was used for the lithium matrix spike/matrix spike duplicate audit. The lithium matrix spike and matrix spike duplicate recoveries were within the laboratory generated quality control limits. The lithium matrix spike/matrix spike duplicate relative percent difference value was within the laboratory generated quality control limits.


9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-001
Client Sample ID Traprock-8

Collection Date: 9/11/2007 10:13:00 AM**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082****Analyst: MB**

Aroclor 1016	ND J	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Total PCBs	ND	37		µg/Kg-dry	1	9/17/2007 5:11:02 PM
Surr: Decachlorobiphenyl	107	70-130		%REC	1	9/17/2007 5:11:02 PM
Surr: Tetrachloro-m-xylene	94.9	70-130		%REC	1	9/17/2007 5:11:02 PM

METALS, ICP/MS**SW6020A****Analyst: AB2**

Aluminum	9,800,000 J	100,000		µg/Kg-dry	1000	9/24/2007 12:17:21 PM
Arsenic	4,600 J	1,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Beryllium	590 J	5,100	J	µg/Kg-dry	100	9/21/2007 2:42:40 PM
Chromium	4,500 J	10,000	J	µg/Kg-dry	100	9/21/2007 2:42:40 PM
Cobalt	9,400 J	5,100		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Copper	360,000 J	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Lead	48,000 J	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Lithium	7,300	1,000		µg/Kg-dry	10	9/24/2007 6:02:52 PM
Manganese	390,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Nickel	30,000 J	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Silver	1,700 J	87		µg/Kg-dry	10	9/19/2007 7:36:34 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM
Zinc	95,000	10,000		µg/Kg-dry	100	9/21/2007 2:42:40 PM

MERCURY**SW7471A****Analyst: AB2**

Mercury	52	17		µg/Kg-dry	1	9/18/2007 3:24:18 PM
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PERCENT MOISTURE**D2216****Analyst: JE***Z. Knobl 9/26/07*

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/11/2007 10:13:00 AM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-001**Matrix:** SOIL**Client Sample ID** Traprock-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	12	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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L/Crook 9/26/07

**RTI LABORATORIES, INC.**

31628 Glendale St.
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FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/11/2007 10:49:00 AM

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-002

Matrix: SOIL

Client Sample ID Traprock B-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS				SW8082		Analyst: MB
Aroclor 1016	ND J	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Total PCBs	ND	35		µg/Kg-dry	1	9/17/2007 5:51:26 PM
Surr: Decachlorobiphenyl	111	70-130		%REC	1	9/17/2007 5:51:26 PM
Surr: Tetrachloro-m-xylene	101	70-130		%REC	1	9/17/2007 5:51:26 PM
METALS, ICP/MS				SW6020A		Analyst: AB2
Aluminum	13,000,000 J	110,000		µg/Kg-dry	1000	9/24/2007 12:24:31 PM
Arsenic	4,200 J	1,100		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Beryllium	1,400 J	5,300	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Chromium	ND J	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Cobalt	440 J	5,300	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Copper	47,000 J	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Lead	17,000 J	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Lithium	11,000	1,100		µg/Kg-dry	10	9/24/2007 6:04:38 PM
Manganese	17,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Nickel	1,200 J	11,000	J	µg/Kg-dry	100	9/21/2007 2:45:05 PM
Silver	180 J	64		µg/Kg-dry	10	9/19/2007 7:43:03 PM
Strontium	440,000	270,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
Zinc	14,000	11,000		µg/Kg-dry	100	9/21/2007 2:45:05 PM
MERCURY				SW7471A		Analyst: AB2
Mercury	4.7	14	J	µg/Kg-dry	1	9/18/2007 3:34:19 PM
PERCENT MOISTURE				D2216		Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/11/2007 10:49:00 AM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-002**Matrix:** SOIL**Client Sample ID** Traprock B-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	5.9	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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7/26/07

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/11/2007 12:13:00 AM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-003**Matrix:** SOIL**Client Sample ID** Bootjack B-17

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND J	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1221	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1232	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1242	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1248	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1254	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1260	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Aroclor 1262	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Total PCBs	ND	87		µg/Kg-dry	1	9/17/2007 6:32:24 PM
Surr: Decachlorobiphenyl	104	70-130		%REC	1	9/17/2007 6:32:24 PM
Surr: Tetrachloro-m-xylene	93.8	70-130		%REC	1	9/17/2007 6:32:24 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	2,600,000 J	99,000		µg/Kg-dry	1000	9/24/2007 12:59:02 PM
Arsenic	1,700 J	990		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Beryllium	ND J	5,000		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Chromium	ND J	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Cobalt	1,700 J	5,000	J	µg/Kg-dry	100	9/21/2007 2:47:30 PM
Copper	110,000 J	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Lead	23,000 J	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Lithium	2,600	990		µg/Kg-dry	10	9/24/2007 6:06:24 PM
Manganese	48,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Nickel	5,300 J	9,900	J	µg/Kg-dry	100	9/21/2007 2:47:30 PM
Silver	64 J	130	J	µg/Kg-dry	10	9/19/2007 7:44:53 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 2:47:30 PM
Zinc	26,000	9,900		µg/Kg-dry	100	9/21/2007 2:47:30 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	16	21	J	µg/Kg-dry	1	9/18/2007 3:35:59 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07



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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/11/2007 12:13:00 AM

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-003

Matrix: SOIL

Client Sample ID Bootjack B-17

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	24		1.0	wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/11/2007 4:49:00 PM

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-004

Matrix: SOIL

Client Sample ID MGPB-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
				SW8082		Analyst: MB
Aroclor 1016	ND <i>J</i>	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1221	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1232	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1242	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1248	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1254	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1260	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Aroclor 1262	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Total PCBs	ND	79		µg/Kg-dry	1	9/17/2007 7:12:57 PM
Surr: Decachlorobiphenyl	117	70-130		%REC	1	9/17/2007 7:12:57 PM
Surr: Tetrachloro-m-xylene	107	70-130		%REC	1	9/17/2007 7:12:57 PM
METALS, ICP/MS						
				SW6020A		Analyst: AB2
Aluminum	2,300,000 <i>J</i>	90,000		µg/Kg-dry	1000	9/24/2007 12:26:25 PM
Arsenic	14,000 <i>J</i>	900		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Beryllium	ND <i>J</i>	4,500		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Chromium	2,100 <i>J</i>	9,000	J	µg/Kg-dry	100	9/21/2007 2:49:55 PM
Cobalt	13,000 <i>J</i>	4,500		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Copper	1,500,000 <i>J</i>	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Lead	64,000 <i>J</i>	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Lithium	4,500	900		µg/Kg-dry	10	9/24/2007 6:08:09 PM
Manganese	370,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Nickel	18,000 <i>J</i>	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Silver	2,800 <i>J</i>	81		µg/Kg-dry	10	9/19/2007 7:46:45 PM
Strontium	ND	230,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
Zinc	93,000	9,000		µg/Kg-dry	100	9/21/2007 2:49:55 PM
MERCURY						
				SW7471A		Analyst: AB2
Mercury	500	24		µg/Kg-dry	1	9/18/2007 3:37:39 PM
PERCENT MOISTURE						
				D2216		Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 8 of 46

9/26/07

Z Krull

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/11/2007 4:49:00 PM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-004**Matrix:** SOIL**Client Sample ID** MGPB-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	16	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007 10:23:00 AM

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-005

Matrix: SOIL

Client Sample ID Mickelson B-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1221	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1232	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1242	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1248	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1254	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1260	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Aroclor 1262	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Total PCBs	ND	42		µg/Kg-dry	1	9/17/2007 7:53:34 PM
Surr: Decachlorobiphenyl	121	70-130		%REC	1	9/17/2007 7:53:34 PM
Surr: Tetrachloro-m-xylene	113	70-130		%REC	1	9/17/2007 7:53:34 PM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	7,800,000 J	79,000		µg/Kg-dry	1000	9/24/2007 12:28:19 PM
Arsenic	14,000 J	790		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Beryllium	730 J	4,000 J		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Chromium	980,000 J	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Cobalt	16,000 J	4,000		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Copper	490,000 J	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Lead	25,000 J	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Lithium	4,000	790		µg/Kg-dry	10	9/24/2007 6:09:55 PM
Manganese	650,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Nickel	180,000 J	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Silver	510 J	100		µg/Kg-dry	10	9/19/2007 7:48:37 PM
Strontium	ND	200,000		µg/Kg-dry	100	9/21/2007 2:52:21 PM
Zinc	43,000	7,900		µg/Kg-dry	100	9/21/2007 2:52:21 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	15	15 J		µg/Kg-dry	1	9/18/2007 3:39:20 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 10 of 46

Z. Korb
9/26/07

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007 10:23:00 AM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-005**Matrix:** SOIL**Client Sample ID** Mickelson B-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	21	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07

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Analytical Report

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WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007 2:42:00 PM

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-006

Matrix: SOIL

Client Sample ID H & Y Marina B-19

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1221	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1232	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1242	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1248	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1254	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1260	ND	36		µg/Kg-dry	1	9/17/2007 8:34:31 PM
Aroclor 1262	11	36	J	µg/Kg-dry	1	9/17/2007 8:34:31 PM
Total PCBs	11	36	J	µg/Kg-dry	1	9/17/2007 8:34:31 PM
Surr: Decachlorobiphenyl	105	70-130		%REC	1	9/17/2007 8:34:31 PM
Surr: Tetrachloro-m-xylene	94.9	70-130		%REC	1	9/17/2007 8:34:31 PM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	1,800,000 J	69,000		µg/Kg-dry	1000	9/24/2007 1:00:56 PM
Arsenic	30,000 J	690		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Beryllium	ND J	3,400		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Chromium	460,000 J	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Cobalt	37,000 J	3,400		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Copper	470,000 J	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Lead	440,000 J	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Lithium	740	690		µg/Kg-dry	10	9/24/2007 6:16:08 PM
Manganese	5,500,000	69,000		µg/Kg-dry	1000	9/24/2007 4:03:20 PM
Nickel	250,000 J	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Silver	380 J	89		µg/Kg-dry	10	9/19/2007 7:50:28 PM
Strontium	ND	170,000		µg/Kg-dry	100	9/21/2007 3:06:40 PM
Zinc	83,000	6,900		µg/Kg-dry	100	9/21/2007 3:06:40 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	9.9	27	J	µg/Kg-dry	1	9/18/2007 3:40:59 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Lfrabl 9/26/07

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007 2:42:00 PM**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-006**Matrix:** SOIL**Client Sample ID** H & Y Marina B-19

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	8.9	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-007

Matrix: SOIL

Client Sample ID Gay S1-21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND J	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1221	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1232	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1242	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1248	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1254	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1260	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Aroclor 1262	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Total PCBs	ND	34		µg/Kg-dry	1	9/17/2007 9:15:09 PM
Surr: Decachlorobiphenyl	120	70-130		%REC	1	9/17/2007 9:15:09 PM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/17/2007 9:15:09 PM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	15,000,000 J	86,000		µg/Kg-dry	1000	9/24/2007 12:30:11 PM
Arsenic	670 J	860	J	µg/Kg-dry	100	9/21/2007 3:52:05 PM
Beryllium	ND J	4,300		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Chromium	19,000 J	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Cobalt	18,000 J	4,300		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Copper	1,400,000 J	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Lead	1,500 J	8,600	J	µg/Kg-dry	100	9/21/2007 3:52:05 PM
Lithium	5,100	860		µg/Kg-dry	10	9/24/2007 6:17:54 PM
Manganese	300,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Nickel	23,000 J	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Silver	800 J	88		µg/Kg-dry	10	9/19/2007 7:52:18 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 3:52:05 PM
Zinc	62,000	8,600		µg/Kg-dry	100	9/21/2007 3:52:05 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	5.5	18	J	µg/Kg-dry	1	9/18/2007 3:42:37 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-007

Matrix: SOIL

Client Sample ID Gay S1-21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	1.7	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-008

Matrix: SOIL

Client Sample ID Lake Linden S2-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND ^J	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1221	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1232	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1242	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1248	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1254	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1260	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Aroclor 1262	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Total PCBs	ND	43		µg/Kg-dry	1	9/17/2007 9:55:59 PM
Surr: Decachlorobiphenyl	101	70-130		%REC	1	9/17/2007 9:55:59 PM
Surr: Tetrachloro-m-xylene	93.7	70-130		%REC	1	9/17/2007 9:55:59 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	11,000,000 ^J	110,000		µg/Kg-dry	1000	9/24/2007 12:32:04 PM
Arsenic	1,100 ^J	1,100	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Beryllium	940 ^J	5,400	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Chromium	20,000 ^J	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Cobalt	14,000 ^J	5,400		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Copper	2,100,000 ^J	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Lead	6,900 ^J	11,000	J	µg/Kg-dry	100	9/21/2007 3:54:31 PM
Lithium	6,000	1,100		µg/Kg-dry	10	9/24/2007 6:19:42 PM
Manganese	350,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Nickel	34,000 ^J	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Silver	1,300 ^J	120		µg/Kg-dry	10	9/19/2007 7:54:07 PM
Strontium	ND	270,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM
Zinc	130,000	11,000		µg/Kg-dry	100	9/21/2007 3:54:31 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	29	12		µg/Kg-dry	1	9/18/2007 3:44:15 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-008**Matrix:** SOIL**Client Sample ID** Lake Linden S2-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	24	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 17 of 46

J. Grohl
9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-009 **Matrix:** SOIL
Client Sample ID TMS1-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND ^J	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Total PCBs	ND	35		µg/Kg-dry	1	9/17/2007 10:36:34 PM
Surr: Decachlorobiphenyl	113	70-130		%REC	1	9/17/2007 10:36:34 PM
Surr: Tetrachloro-m-xylene	99.6	70-130		%REC	1	9/17/2007 10:36:34 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	19,000,000 ^J	67,000		µg/Kg-dry	1000	9/24/2007 12:33:57 PM
Arsenic	350 ^J	670	J	µg/Kg-dry	100	9/21/2007 3:56:58 PM
Beryllium	ND ^J	3,300		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Chromium	14,000 ^J	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Cobalt	15,000 ^J	3,300		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Copper	2,700,000 ^J	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Lead	8,000 ^J	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Lithium	7,100	670		µg/Kg-dry	10	9/24/2007 6:21:30 PM
Manganese	430,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Nickel	24,000 ^J	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Silver	1,200 ^J	64		µg/Kg-dry	10	9/19/2007 7:55:57 PM
Strontium	ND	170,000		µg/Kg-dry	100	9/21/2007 3:56:58 PM
Zinc	59,000	6,700		µg/Kg-dry	100	9/21/2007 3:56:58 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	38	13		µg/Kg-dry	1	9/18/2007 3:45:54 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 18 of 46

J. Anoble
9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-009**Matrix:** SOIL**Client Sample ID** TMS1-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	4.7	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 19 of 46

J. Karabel
a/26/07

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-010

Matrix: SOIL

Client Sample ID TMS1-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND ^J	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Total PCBs	ND	37		µg/Kg-dry	1	9/18/2007 2:00:07 AM
Surr: Decachlorobiphenyl	123	70-130		%REC	1	9/18/2007 2:00:07 AM
Surr: Tetrachloro-m-xylene	91.1	70-130		%REC	1	9/18/2007 2:00:07 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	20,000,000	110,000		µg/Kg-dry	1000	9/24/2007 12:35:49 PM
Arsenic	9,800	1,100		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Beryllium	580	5,400	J	µg/Kg-dry	100	9/21/2007 4:14:58 PM
Chromium	20,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Cobalt	21,000	5,400		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Copper	9,100,000	110,000		µg/Kg-dry	1000	9/24/2007 2:19:52 PM
Lead	530,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Lithium	5,000	1,100		µg/Kg-dry	10	9/24/2007 6:32:08 PM
Manganese	530,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Nickel	30,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Silver	2,400	74		µg/Kg-dry	10	9/19/2007 6:45:02 PM
Strontium	ND	270,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM
Zinc	100,000	11,000		µg/Kg-dry	100	9/21/2007 4:14:58 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	220	18		µg/Kg-dry	1	9/18/2007 3:56:32 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 20 of 46



RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-010

Matrix: SOIL

Client Sample ID TMS1-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	10	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 21 of 46

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-011

Matrix: SOIL

Client Sample ID TMS2-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND ^J	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1221	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1232	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1242	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1248	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1254	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1260	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Aroclor 1262	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Total PCBs	ND	38		µg/Kg-dry	1	9/18/2007 2:40:35 AM
Surr: Decachlorobiphenyl	119	70-130		%REC	1	9/18/2007 2:40:35 AM
Surr: Tetrachloro-m-xylene	100	70-130		%REC	1	9/18/2007 2:40:35 AM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	27,000,000	86,000		µg/Kg-dry	1000	9/24/2007 12:37:42 PM
Arsenic	1,200	860		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Beryllium	ND	4,300		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Chromium	19,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Cobalt	25,000	4,300		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Copper	2,000,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Lead	7,300	8,600	J	µg/Kg-dry	100	9/21/2007 4:22:13 PM
Lithium	6,300	860		µg/Kg-dry	10	9/24/2007 6:37:26 PM
Manganese	670,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Nickel	34,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Silver	1,400	100		µg/Kg-dry	10	9/19/2007 6:46:52 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 4:22:13 PM
Zinc	87,000	8,600		µg/Kg-dry	100	9/21/2007 4:22:13 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	44	16		µg/Kg-dry	1	9/18/2007 3:58:12 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

M Manual Integration used to determine area response

RL Reporting Detection Limit

Page 22 of 46

**RTI LABORATORIES, INC.**

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-011**Matrix:** SOIL**Client Sample ID** TMS2-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	14	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Z Krull
9/26/07

**RTI LABORATORIES, INC.**

31628 Glendale St.
Livonia, Michigan 48150
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FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-012
Client Sample ID HubS1-12

Collection Date: 9/12/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND ^J	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Total PCBs	ND	35		µg/Kg-dry	1	9/18/2007 3:21:30 AM
Surr: Decachlorobiphenyl	118	70-130		%REC	1	9/18/2007 3:21:30 AM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/18/2007 3:21:30 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	15,000,000	90,000		µg/Kg-dry	1000	9/24/2007 12:39:34 PM
Arsenic	4,800	900		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Beryllium	ND	4,500		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Chromium	24,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Cobalt	21,000	4,500		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Copper	6,000,000	90,000		µg/Kg-dry	1000	9/25/2007 4:13:44 PM
Lead	11,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Lithium	12,000	800		µg/Kg-dry	10	9/24/2007 6:39:13 PM
Manganese	320,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Nickel	39,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Silver	990	80		µg/Kg-dry	10	9/19/2007 6:48:42 PM
Strontium	ND	220,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM
Zinc	95,000	9,000		µg/Kg-dry	100	9/21/2007 4:24:38 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	3.6	16	J	µg/Kg-dry	1	9/18/2007 3:59:53 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-012

Matrix: SOIL

Client Sample ID HubS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	5.0	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Z. Knobel
9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-013
Client Sample ID MSS1-12

Collection Date: 9/12/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1221	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1232	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1242	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1248	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1254	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1260	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Aroclor 1262	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Total PCBs	ND	42		µg/Kg-dry	1	9/18/2007 4:01:59 AM
Surr: Decachlorobiphenyl	121	70-130		%REC	1	9/18/2007 4:01:59 AM
Surr: Tetrachloro-m-xylene	108	70-130		%REC	1	9/18/2007 4:01:59 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	9,700,000	98,000		µg/Kg-dry	1000	9/24/2007 12:41:27 PM
Arsenic	ND	980		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Beryllium	ND	4,900		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Chromium	7,100	9,800	J	µg/Kg-dry	100	9/21/2007 4:27:04 PM
Cobalt	7,700	4,900		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Copper	230,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Lead	6,700	9,800	J	µg/Kg-dry	100	9/21/2007 4:27:04 PM
Lithium	3,100	980		µg/Kg-dry	10	9/24/2007 6:40:59 PM
Manganese	240,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Nickel	14,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Silver	370	99		µg/Kg-dry	10	9/19/2007 6:50:29 PM
Strontium	ND	250,000		µg/Kg-dry	100	9/21/2007 4:27:04 PM
Zinc	60,000	9,800		µg/Kg-dry	100	9/21/2007 4:27:04 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	22	19		µg/Kg-dry	1	9/18/2007 4:01:33 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/12/2007

Project: Torch Lake AOC SA - 20405.016.002.0274.00

Lab ID: 0709387-013

Matrix: SOIL

Client Sample ID MSS1-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	21	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc. **Collection Date:** 9/12/2007
Project: Torch Lake AOC SA - 20405.016.002.0274.00
Lab ID: 0709387-014 **Matrix:** SOIL
Client Sample ID MSS1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND ^S	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1221	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1232	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1242	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1248	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1254	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1260	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Aroclor 1262	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Total PCBs	ND	37		µg/Kg-dry	1	9/18/2007 4:42:28 AM
Surr: Decachlorobiphenyl	123	70-130		%REC	1	9/18/2007 4:42:28 AM
Surr: Tetrachloro-m-xylene	106	70-130		%REC	1	9/18/2007 4:42:28 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	23,000,000	84,000		µg/Kg-dry	1000	9/24/2007 12:47:32 PM
Arsenic	8,600	840		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Beryllium	ND	4,200		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Chromium	18,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Cobalt	18,000	4,200		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Copper	2,500,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Lead	200,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Lithium	7,600	840		µg/Kg-dry	10	9/24/2007 6:26:49 PM
Manganese	550,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Nickel	31,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Silver	3,100	97		µg/Kg-dry	10	9/19/2007 6:52:17 PM
Strontium	ND	210,000		µg/Kg-dry	100	9/21/2007 4:07:42 PM
Zinc	170,000	8,400		µg/Kg-dry	100	9/21/2007 4:07:42 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	280	21		µg/Kg-dry	1	9/18/2007 4:03:15 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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7/Carole
9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709387

Date Reported: 9/25/2007

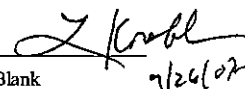
CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/12/2007**Project:** Torch Lake AOC SA - 20405.016.002.0274.00**Lab ID:** 0709387-014**Matrix:** SOIL**Client Sample ID** MSS1-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	10	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Polychlorinated Biphenyls by U.S. EPA Method 8082

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
Gay B –XRF6	0709373-001	Soil	9/10/07	NP	9/18/07
Gay B –XRF11	0709373-002	Soil	9/10/07	NP	9/18/07
Gay B -XRF14	0709373-003	Soil	9/10/07	NP	9/18/07
Gay B –XRF21	0709373-004	Soil	9/10/07	NP	9/18/07
Gay B –XRF26	0709373-005	Soil	9/10/07	NP	9/18/07
MGB-TAR	0709373-006	Soil	9/10/07	NP	9/18/07
Calumet XRF 16	0709373-007	Soil	9/7/07	NP	9/18/07
Mason XRF 6	0709373-008	Soil	9/6/07	NP	9/18/07
Mineral XRF 11	0709373-009	Soil	9/7/07	NP	9/18/07
Mason XRF 10	0709373-010	Soil	9/6/07	NP	9/18/07
Mineral XRF 6	0709373-011	Soil	9/7/07	NP	9/18/07

NP – Not presented with the data package

2. Sample Receipt and Holding Times

The samples were received in good condition and were analyzed within the required holding time.

3. Blanks

Two method blanks were associated with these samples. Both method blanks were free of contamination.

4. Laboratory Control Samples

Two laboratory control sample audits were associated with these samples. The Aroclor-1016-5 recovery (155%) for the laboratory control sample associated with Lab Batch 8381 was outside the laboratory generated quality control limits. Qualify the Aroclor-1016 results in all samples except MGB-TAR as estimated (J/UJ).

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Polychlorinated Biphenyls by U.S. EPA Method 8082

5. Matrix Spike/Matrix Spike Duplicate

A matrix spike/matrix spike duplicate audit was not performed on any samples from this set.

6. Surrogate Spike Recoveries

The Decachlorobiphenyl surrogate spike recoveries for samples Gay B –XRF21 (131%), Gay B –XRF 26 (140%) and Calumet XRF 16 (499%) were outside the laboratory generated quality control limits. Qualify all PCB results in these samples as estimated (J/UJ).

All Tetrachloro-m-xylene surrogate spike recoveries for all samples were within the laboratory generated quality control limits.


9/26/07

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Total Metals by U.S. EPA Methods 6020A and 7471A

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
Gay B – XRF 6	0709373-001	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Gay B –XRF11	0709373-002	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Gay B -XRF14	0709373-003	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Gay B –XRF21	0709373-004	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Gay B –XRF26	0709373-005	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
MGB-TAR	0709373-006	Soil	9/10/07	NP	9/18; 9/19; 9/21; 9/24
Calumet XRF 16	0709373-007	Soil	9/7/07	NP	9/18; 9/19; 9/21; 9/24; 9/25
Mason XRF 6	0709373-008	Soil	9/6/07	NP	9/18; 9/19; 9/21; 9/24
Mineral XRF 11	0709373-009	Soil	9/7/07	NP	9/18; 9/19; 9/21; 9/24
Mason XRF 10	0709373-010	Soil	9/6/07	NP	9/18; 9/19; 9/21; 9/24
Mineral XRF 6	0709373-011	Soil	9/7/07	NP	9/18; 9/19; 9/21; 9/24

NP = Not presented with the data package

2. Sample Receipt and Holding Times

The samples were received in good condition and were analyzed within the required holding time.

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Total Metals by U.S. EPA Methods 6020A and 7471A

3. Blanks

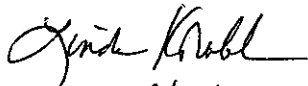
All metal method blanks were free of contamination.

4. Laboratory Control Samples

The laboratory control sample recoveries for aluminum (0%), arsenic (0%), beryllium (0%), chromium (0%), cobalt (0%), copper (0%), lead (0%), nickel (0%) and silver (0%) in Lab Batch 8389 analyzed on 9/24/07 were outside the laboratory generated quality control limits. Qualify the aluminum results in all samples as estimated (J/UJ). Qualify the zinc results in samples Gay B –XRF 14 and Mineral XRF 6 as estimated (J/UJ).

5. Matrix Spike/Matrix Spike Duplicate

Sample Gay B – XRF 6 was used for the mercury matrix spike/matrix spike duplicate audit. The zinc matrix spike recovery (-33%) was outside the laboratory generated quality control limits. The zinc matrix spike/matrix spike duplicate relative percent difference value was outside the laboratory generated quality control limits. Qualify the zinc results in all samples as estimated (J/UJ).


9/26/07

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Volatile Organic Compounds (VOCs) by U.S. EPA Method 8260B

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
MCP-TAR	0709373-006	Soil	9/10/07	NA	9/22/07

2. **Sample Receipt and Holding Times**

The sample was received in good condition and was analyzed within the required holding time.

3. **Blanks**

The method blank associated with this sample contained acetone (320 ug/Kg) and dichloromethane (49 ug/Kg). This had no affect on the associated sample.

4. **Laboratory Control Samples**

The acetone (161%), bromomethane (217%), chloroethane (156%), hexachloroethane (61.2%), t-butyl alcohol (0%), tetrachloroethene (175%), and trichlorofluoromethane (39%) laboratory control sample recoveries were outside the laboratory generated quality control limits. Qualify these compounds in sample MCP-TAR as estimated (J/UJ).

5. **Matrix Spike/Matrix Spike Duplicate**

A matrix spike/matrix spike duplicate audit was not performed on this sample.

6. **Surrogate Spike Recoveries**

The dibromofluoromethane surrogate spike recovery (117%) was outside the laboratory generated quality control limits. Qualify all VOCs in sample MCP-TAR as estimated (J/UJ).


9/26/07

**TORCH LAKE SITE ASSESSMENT
HOUGHTON COUNTY, MICHIGAN
DATA VALIDATION**

**RTI Laboratories, Inc.
Livonia, Michigan
Order Number 0709373**

Polynuclear Aromatic Hydrocarbons (PNAs) by U.S. EPA Method 8270C

1.

<u>Samples</u>	<u>Lab ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>
MCP-TAR	0709373-006	Soil	9/10/07	NA	9/20/07

2. Sample Receipt and Holding Times

The sample was received in good condition and was analyzed within the required holding time.

3. Blanks

The method blank associated with this sample was free of contamination.

4. Laboratory Control Samples

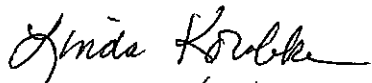
All laboratory control sample recoveries were within the laboratory generated quality control limits.

5. Matrix Spike/Matrix Spike Duplicate

A matrix spike/matrix spike duplicate audit was not performed on this sample.

6. Surrogate Spike Recoveries

The 2,4,6-tribromophenol (0%) surrogate spike recovery was outside the laboratory generated quality control limits. This had no affect on sample MCP-TAR.


9/26/07

**RTI LABORATORIES, INC.**

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-001
Client Sample ID Gay B - XRF6

Collection Date: 9/10/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND J	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1221	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1232	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1242	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1248	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1254	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1260	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Aroclor 1262	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Total PCBs	ND	74		µg/Kg-dry	1	9/18/2007 6:44:07 AM
Surr: Decachlorobiphenyl	127	70-130		%REC	1	9/18/2007 6:44:07 AM
Surr: Tetrachloro-m-xylene	110	70-130		%REC	1	9/18/2007 6:44:07 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	8,200,000 J	94,000		µg/Kg-dry	1000	9/24/2007 12:00:27 PM
Arsenic	350,000	940		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Beryllium	520	4,700 J		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Chromium	16,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Cobalt	13,000	4,700		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Copper	320,000,000	940,000		µg/Kg-dry	10000	9/24/2007 2:07:57 PM
Lead	290,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Lithium	3,000	940		µg/Kg-dry	10	9/24/2007 5:33:25 PM
Manganese	270,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Nickel	33,000	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Silver	220,000	95		µg/Kg-dry	10	9/19/2007 6:57:23 PM
Strontium	ND	230,000		µg/Kg-dry	100	9/21/2007 2:06:22 PM
Zinc	180,000 J	9,400		µg/Kg-dry	100	9/21/2007 2:06:22 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	1,300	43		µg/Kg-dry	2	9/18/2007 4:18:22 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/10/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-001**Matrix:** SOIL**Client Sample ID** Gay B - XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE				D2216	Analyst: JE	
Percent Moisture	11	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/10/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-002**Matrix:** SOIL**Client Sample ID** Gay B - XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND J	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1221	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1232	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1242	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1248	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1254	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1260	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Aroclor 1262	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Total PCBs	ND	76		µg/Kg-dry	1	9/18/2007 7:25:00 AM
Surr: Decachlorobiphenyl	122	70-130		%REC	1	9/18/2007 7:25:00 AM
Surr: Tetrachloro-m-xylene	107	70-130		%REC	1	9/18/2007 7:25:00 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	7,200,000 J	96,000		µg/Kg-dry	1000	9/24/2007 12:02:20 PM
Arsenic	670,000	960		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Beryllium	800	4,800 J		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Chromium	45,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Cobalt	14,000	4,800		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Copper	430,000,000	960,000		µg/Kg-dry	10000	9/24/2007 3:10:42 PM
Lead	82,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Lithium	2,900	960		µg/Kg-dry	10	9/24/2007 5:38:42 PM
Manganese	200,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Nickel	39,000	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Silver	150,000	100		µg/Kg-dry	10	9/19/2007 7:02:23 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:13:35 PM
Zinc	97,000 J	9,600		µg/Kg-dry	100	9/21/2007 2:13:35 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	630	16		µg/Kg-dry	1	9/18/2007 3:02:19 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers:	*X	Value exceeds Maximum Contaminant Level
	E	Value above quantitation range
	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit

Z. Karab
9/26/07



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-002

Matrix: SOIL

Client Sample ID Gay B - XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	13	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-003

Matrix: SOIL

Client Sample ID Gay B - XRF14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND ^S	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1221	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1232	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1242	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1248	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1254	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1260	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Aroclor 1262	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Total PCBs	ND	75		µg/Kg-dry	1	9/18/2007 8:05:34 AM
Surr: Decachlorobiphenyl	118	70-130		%REC	1	9/18/2007 8:05:34 AM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 8:05:34 AM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	11,000,000 ^S	81,000		µg/Kg-dry	1000	9/24/2007 12:04:12 PM
Arsenic	58,000	810		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Beryllium	ND	4,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Chromium	61,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Cobalt	12,000	4,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Copper	990,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Lead	850,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Lithium	5,000	810		µg/Kg-dry	10	9/24/2007 5:40:27 PM
Manganese	610,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Nickel	31,000	8,100		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Silver	940	100		µg/Kg-dry	10	9/19/2007 7:20:08 PM
Strontium	ND	200,000		µg/Kg-dry	100	9/21/2007 2:16:00 PM
Zinc	14,000,000 ^J	81,000		µg/Kg-dry	1000	9/24/2007 4:10:00 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	26	21		µg/Kg-dry	1	9/18/2007 3:04:25 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers:	*X	Value exceeds Maximum Contaminant Level
	E	Value above quantitation range
	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit

Z. Arnold
9/26/07

**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-003

Matrix: SOIL

Client Sample ID Gay B - XRF14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	12	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-004

Matrix: SOIL

Client Sample ID Gay B - XRF21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1221	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1232	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1242	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1248	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1254	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1260	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Aroclor 1262	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Total PCBs	ND	80		µg/Kg-dry	1	9/18/2007 8:46:00 AM
Surr: Decachlorobiphenyl	131	70-130	S	%REC	1	9/18/2007 8:46:00 AM
Surr: Tetrachloro-m-xylene	106	70-130		%REC	1	9/18/2007 8:46:00 AM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	7,600,000	97,000		µg/Kg-dry	1000	9/24/2007 12:06:04 PM
Arsenic	12,000	970		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Beryllium	ND	4,800		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Chromium	35,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Cobalt	7,500	4,800		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Copper	650,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Lead	61,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Lithium	6,600	970		µg/Kg-dry	10	9/24/2007 5:42:14 PM
Manganese	250,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Nickel	13,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Silver	1,100	98		µg/Kg-dry	10	9/19/2007 7:21:59 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:18:26 PM
Zinc	100,000	9,700		µg/Kg-dry	100	9/21/2007 2:18:26 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	200	26		µg/Kg-dry	1	9/18/2007 3:06:04 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/10/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-004**Matrix:** SOIL**Client Sample ID** Gay B - XRF21

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	18	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 9 of 70

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9/26/07

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-005

Matrix: SOIL

Client Sample ID Gay B - XRF26

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS

SW8082

Analyst: MB

Aroclor 1016	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1221	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1232	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1242	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1248	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1254	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1260	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Aroclor 1262	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Total PCBs	ND	97		µg/Kg-dry	1	9/18/2007 2:11:05 PM
Surr: Decachlorobiphenyl	140	70-130	S	%REC	1	9/18/2007 2:11:05 PM
Surr: Tetrachloro-m-xylene	102	70-130		%REC	1	9/18/2007 2:11:05 PM

METALS, ICP/MS

SW6020A

Analyst: AB2

Aluminum	6,700,000	110,000		µg/Kg-dry	1000	9/24/2007 12:07:57 PM
Arsenic	17,000	1,100		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Beryllium	ND	5,600		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Chromium	59,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Cobalt	17,000	5,600		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Copper	1,100,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Lead	310,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Lithium	3,900	1,100		µg/Kg-dry	10	9/24/2007 5:44:00 PM
Manganese	930,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Nickel	45,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Silver	1,200	130		µg/Kg-dry	10	9/19/2007 7:23:51 PM
Strontium	ND	280,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM
Zinc	4,300,000	11,000		µg/Kg-dry	100	9/21/2007 2:20:51 PM

MERCURY

SW7471A

Analyst: AB2

Mercury	460	31		µg/Kg-dry	1	9/18/2007 3:11:07 PM
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PERCENT MOISTURE

D2216

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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J. Knobel
9/26/07

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FAX: 734.422.5342
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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/10/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-005**Matrix:** SOIL**Client Sample ID** Gay B - XRF26

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	32	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

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WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND ^S	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1221	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1232	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1242	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1248	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1254	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1260	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Aroclor 1262	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Total PCBs	ND	330		µg/Kg	1	9/18/2007 12:08:49 PM
Surr: Decachlorobiphenyl	85.1	70-130		%REC	1	9/18/2007 12:08:49 PM
Surr: Tetrachloro-m-xylene	98.7	70-130		%REC	1	9/18/2007 12:08:49 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	720,000 ^S	90,000		µg/Kg	1000	9/24/2007 12:55:14 PM
Arsenic	1,000	900		µg/Kg	100	9/21/2007 2:23:17 PM
Beryllium	ND	4,500		µg/Kg	100	9/21/2007 2:23:17 PM
Chromium	ND	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Cobalt	500	4,500	J	µg/Kg	100	9/21/2007 2:23:17 PM
Copper	350,000	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Lead	4,200	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM
Lithium	ND	900		µg/Kg	10	9/24/2007 5:45:47 PM
Manganese	16,000	9,000		µg/Kg	100	9/21/2007 2:23:17 PM
Nickel	1,500	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM
Silver	670	85		µg/Kg	10	9/19/2007 7:25:40 PM
Strontium	ND	230,000		µg/Kg	100	9/21/2007 2:23:17 PM
Zinc	7,900 ^S	9,000	J	µg/Kg	100	9/21/2007 2:23:17 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	30	25		µg/Kg	1	9/18/2007 3:12:47 PM
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**POLYNUCLEAR AROMATIC HYDROCARBONS
SEMI-VOLATILE ORGANIC COMPOUNDS****SW8270C**

Analyst: JW

Qualifiers:	*X	Value exceeds Maximum Contaminant Level
	E	Value above quantitation range
	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response
RL	Reporting Detection Limit

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J. Krabel
9/26/07

**RTI LABORATORIES, INC.**

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYNUCLEAR AROMATIC HYDROCARBONS				SW8270C		Analyst: JW
SEMI-VOLATILE ORGANIC COMPOUNDS						
2-Methylnaphthalene	3,600,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Acenaphthene	400,000	960,000	J	µg/Kg	200	9/20/2007 3:13:00 PM
Acenaphthylene	4,900,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Anthracene	3,200,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(a)anthracene	2,500,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(a)pyrene	2,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(b)fluoranthene	2,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(g,h,i)perylene	1,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Benzo(k)fluoranthene	1,100,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Chrysene	1,800,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Dibenz(a,h)anthracene	270,000	960,000	J	µg/Kg	200	9/20/2007 3:13:00 PM
Fluoranthene	7,400,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Fluorene	3,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Indeno(1,2,3-cd)pyrene	1,200,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Naphthalene	21,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Phenanthrene	11,000,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Pyrene	7,900,000	960,000		µg/Kg	200	9/20/2007 3:13:00 PM
Surr: 2,4,6-Tribromophenol	0	25-93.9	S	%REC	200	9/20/2007 3:13:00 PM
Surr: 2-Fluorobiphenyl	44.0	26-105		%REC	200	9/20/2007 3:13:00 PM
Surr: 2-Fluorophenol	36.0	25-120		%REC	200	9/20/2007 3:13:00 PM
Surr: Nitrobenzene-d5	32.0	30.1-104		%REC	200	9/20/2007 3:13:00 PM
Surr: Phenol-d5	44.0	25-118		%REC	200	9/20/2007 3:13:00 PM
Surr: Terphenyl-d14	68.0	27.1-115		%REC	200	9/20/2007 3:13:00 PM
VOLATILE ORGANIC COMPOUNDS				SW8260B		Analyst: MT3
1,1,1,2-Tetrachloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,1-Trichloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2,2-Tetrachloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1,2-Trichloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,1-Dichloropropene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Handwritten signature
9/26/07

**RTI LABORATORIES, INC.**

31628 Glendale St.
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FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260B		Analyst: MT3	
1,2,3-Trichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,3-Trichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,3-Trimethylbenzene	92,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,4-Trichlorobenzene	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2,4-Trimethylbenzene	260,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dibromo-3-chloropropane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,2-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,3,5-Trimethylbenzene	100,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
1,3-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,3-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
1,4-Dichlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2,2-Dichloropropane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Chloroethyl vinyl ether	ND	2,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Chlorotoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Hexanone	ND	10,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Methylnaphthalene	3,200,000	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
2-Nitropropane	ND	800,000		µg/Kg	200000	9/22/2007 3:15:00 PM
4-Chlorotoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Acetone	630,000	10,000,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
Acrylonitrile	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Benzene	1,200,000	120,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromochloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromodichloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromoform	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Bromomethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Carbon disulfide	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Carbon tetrachloride	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chlorobenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloroethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloroform	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Chloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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9/26/07

**RTI LABORATORIES, INC.**

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FAX: 734.422.5342
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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/10/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-006

Matrix: SOLID

Client Sample ID MGP-TAR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		SW8260B		Analyst: MT3		
cis-1,2-Dichloroethene	ND	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
cis-1,3-Dichloropropene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dibromochloromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dibromomethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dichlorodifluoromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Dichloromethane	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Diethyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Ethyl methacrylate	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Ethylbenzene	80,000	200,000	J	µg/Kg	200000	9/22/2007 3:15:00 PM
Ethylene dibromide	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Hexachlorobutadiene	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Hexachloroethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Isopropyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Isopropylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
m,p-Xylene	520,000	400,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl ethyl ketone	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl iodide	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl isobutyl ketone	ND	2,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Methyl tert-butyl ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Naphthalene	29,000,000	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
n-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
n-Propylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
o-Xylene	210,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
p-Isopropyltoluene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
sec-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Styrene	210,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
t-Butyl alcohol	ND	8,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Amyl Methyl Ether	ND	800,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Butyl Ethyl Ether	ND	1,000,000		µg/Kg	200000	9/22/2007 3:15:00 PM
tert-Butylbenzene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Tetrachloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Toluene	640,000	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
trans-1,2-Dichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
trans-1,3-Dichloropropene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Z. Kroll
9/26/07

**RTI LABORATORIES, INC.**

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-006
Client Sample ID MGP-TAR

Collection Date: 9/10/2007**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		SW8260B			Analyst: MT3	
trans-1,4-Dichloro-2-butene	ND J	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Trichloroethene	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Trichlorofluoromethane	ND	200,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Vinyl chloride	ND	160,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Xylenes, Total	730,000	600,000		µg/Kg	200000	9/22/2007 3:15:00 PM
Surr: 4-Bromofluorobenzene	114	90-115		%REC	200000	9/22/2007 3:15:00 PM
Surr: Dibromofluoromethane	117	88.4-108	S	%REC	200000	9/22/2007 3:15:00 PM
Surr: Toluene-d8	109	90-112		%REC	200000	9/22/2007 3:15:00 PM
CYANIDE		SW9012A			Analyst: JT	
Cyanide, Total	3.5	0.12		mg/Kg	1	9/21/2007

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 16 of 70

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9/26/07

**RTI LABORATORIES, INC.**

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-007
Client Sample ID Calument XRF 16

Collection Date: 9/7/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1221	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1232	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1242	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1248	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1254	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1260	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Aroclor 1262	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Total PCBs	ND	57		µg/Kg-dry	1	9/18/2007 2:51:43 PM
Surr: Decachlorobiphenyl	499	70-130	S	%REC	1	9/18/2007 2:51:43 PM
Surr: Tetrachloro-m-xylene	102	70-130		%REC	1	9/18/2007 2:51:43 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	13,000,000	140,000		µg/Kg-dry	1000	9/24/2007 12:09:49 PM
Arsenic	36,000	1,400		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Beryllium	1,600	6,800	J	µg/Kg-dry	100	9/21/2007 2:30:34 PM
Chromium	28,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Cobalt	18,000	6,800		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Copper	10,000,000	140,000		µg/Kg-dry	1000	9/25/2007 4:11:17 PM
Lead	1,100,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Lithium	9,700	1,400		µg/Kg-dry	10	9/24/2007 5:54:00 PM
Manganese	740,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Nickel	49,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Silver	2,400	150		µg/Kg-dry	10	9/19/2007 7:27:28 PM
Strontium	ND	340,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM
Zinc	420,000	14,000		µg/Kg-dry	100	9/21/2007 2:30:34 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	230	43		µg/Kg-dry	1	9/18/2007 3:14:27 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

Page 17 of 70

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9/26/07

**RTI LABORATORIES, INC.**

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Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/7/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-007**Matrix:** SOIL**Client Sample ID** Calument XRF 16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	42		1.0	wt%	1	9/17/2007 8:30:00 AM

Qualifiers: *X Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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**RTI LABORATORIES, INC.**

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/6/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-008

Matrix: SOIL

Client Sample ID Mason XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082**

Analyst: MB

Aroclor 1016	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1221	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1232	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1242	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1248	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1254	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1260	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Aroclor 1262	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Total PCBs	ND	39		µg/Kg-dry	1	9/18/2007 12:49:42 PM
Surr: Decachlorobiphenyl	112	70-130		%REC	1	9/18/2007 12:49:42 PM
Surr: Tetrachloro-m-xylene	99.7	70-130		%REC	1	9/18/2007 12:49:42 PM

METALS, ICP/MS**SW6020A**

Analyst: AB2

Aluminum	16,000,000	96,000		µg/Kg-dry	1000	9/24/2007 12:11:41 PM
Arsenic	6,700	960		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Beryllium	750	4,800	J	µg/Kg-dry	100	9/21/2007 2:33:00 PM
Chromium	8,200	9,600	J	µg/Kg-dry	100	9/21/2007 2:33:00 PM
Cobalt	17,000	4,800		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Copper	1,900,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Lead	1,100,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Lithium	7,100	960		µg/Kg-dry	10	9/24/2007 5:55:48 PM
Manganese	790,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Nickel	31,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Silver	5,300	100		µg/Kg-dry	10	9/19/2007 7:29:17 PM
Strontium	ND	240,000		µg/Kg-dry	100	9/21/2007 2:33:00 PM
Zinc	110,000	9,600		µg/Kg-dry	100	9/21/2007 2:33:00 PM

MERCURY**SW7471A**

Analyst: AB2

Mercury	510	28		µg/Kg-dry	1	9/18/2007 3:16:08 PM
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PERCENT MOISTURE**D2216**

Analyst: JE

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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RTI LABORATORIES, INC.

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/6/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-008

Matrix: SOIL

Client Sample ID Mason XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	14	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-009
Client Sample ID Mineral XRF11

Collection Date: 9/7/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082****Analyst: MB**

Aroclor 1016	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1221	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1232	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1242	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1248	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1254	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1260	ND	68		µg/Kg-dry	1	9/18/2007 9:26:29 AM
Aroclor 1262	24	68	J	µg/Kg-dry	1	9/18/2007 9:26:29 AM
Total PCBs	24	68	J	µg/Kg-dry	1	9/18/2007 9:26:29 AM
Surr: Decachlorobiphenyl	94.9	70-130		%REC	1	9/18/2007 9:26:29 AM
Surr: Tetrachloro-m-xylene	84.3	70-130		%REC	1	9/18/2007 9:26:29 AM

METALS, ICP/MS**SW6020A****Analyst: AB2**

Aluminum	6,200,000	73,000		µg/Kg-dry	1000	9/24/2007 12:13:34 PM
Arsenic	52,000	730		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Beryllium	500	3,600	J	µg/Kg-dry	100	9/21/2007 2:35:26 PM
Chromium	6,900	7,300	J	µg/Kg-dry	100	9/21/2007 2:35:26 PM
Cobalt	6,900	3,600		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Copper	17,000,000	73,000		µg/Kg-dry	1000	9/24/2007 2:12:11 PM
Lead	280,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Lithium	4,700	730		µg/Kg-dry	10	9/24/2007 5:57:35 PM
Manganese	180,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Nickel	24,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Silver	5,000	90		µg/Kg-dry	10	9/19/2007 7:31:05 PM
Strontium	ND	180,000		µg/Kg-dry	100	9/21/2007 2:35:26 PM
Zinc	490,000	7,300		µg/Kg-dry	100	9/21/2007 2:35:26 PM

MERCURY**SW7471A****Analyst: AB2**

Mercury	100	17		µg/Kg-dry	1	9/18/2007 3:17:47 PM
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PERCENT MOISTURE**D2216****Analyst: JE**

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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g/Krall
9/26/07



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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-009

Matrix: SOIL

Client Sample ID Mineral XRF11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	2.3	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.
Project: Torch Lake SA - 20405.016.002.0274.00
Lab ID: 0709373-010
Client Sample ID Mason XRF10

Collection Date: 9/6/2007**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS**SW8082****Analyst: MB**

Aroclor 1016	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1221	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1232	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1242	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1248	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1254	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1260	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Aroclor 1262	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Total PCBs	ND	35		µg/Kg-dry	1	9/18/2007 10:07:02 AM
Surr: Decachlorobiphenyl	130	70-130		%REC	1	9/18/2007 10:07:02 AM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 10:07:02 AM

METALS, ICP/MS**SW6020A****Analyst: AB2**

Aluminum	21,000,000	72,000		µg/Kg-dry	1000	9/24/2007 12:15:27 PM
Arsenic	1,700	720		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Beryllium	ND	3,600		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Chromium	10,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Cobalt	17,000	3,600		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Copper	19,000,000	72,000		µg/Kg-dry	1000	9/24/2007 2:14:06 PM
Lead	200,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Lithium	3,400	720		µg/Kg-dry	10	9/24/2007 5:59:21 PM
Manganese	520,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Nickel	32,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Silver	5,400	70		µg/Kg-dry	10	9/19/2007 7:32:54 PM
Strontium	ND	180,000		µg/Kg-dry	100	9/21/2007 2:37:51 PM
Zinc	110,000	7,200		µg/Kg-dry	100	9/21/2007 2:37:51 PM

MERCURY**SW7471A****Analyst: AB2**

Mercury	120	23		µg/Kg-dry	1	9/18/2007 3:19:24 PM
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PERCENT MOISTURE**D2216****Analyst: JE**

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.**Collection Date:** 9/6/2007**Project:** Torch Lake SA - 20405.016.002.0274.00**Lab ID:** 0709373-010**Matrix:** SOIL**Client Sample ID** Mason XRF10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE					D2216	Analyst: JE
Percent Moisture	4.5	1.0		wt%	1	9/17/2007 8:30:00 AM

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
M Manual Integration used to determine area response
RL Reporting Detection Limit

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JK
9/26/07

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Analytical Report

(consolidated)

WO#: 0709373

Date Reported: 9/25/2007

CLIENT: Weston Solutions of Illinois, Inc.

Collection Date: 9/7/2007

Project: Torch Lake SA - 20405.016.002.0274.00

Lab ID: 0709373-011

Matrix: SOIL

Client Sample ID Mineral XRF6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082		Analyst: MB		
Aroclor 1016	ND _S	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1221	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1232	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1242	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1248	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1254	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1260	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Aroclor 1262	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Total PCBs	ND	70		µg/Kg-dry	1	9/18/2007 1:30:34 PM
Surr: Decachlorobiphenyl	122	70-130		%REC	1	9/18/2007 1:30:34 PM
Surr: Tetrachloro-m-xylene	104	70-130		%REC	1	9/18/2007 1:30:34 PM
METALS, ICP/MS		SW6020A		Analyst: AB2		
Aluminum	3,200,000 _S	64,000		µg/Kg-dry	1000	9/24/2007 12:57:08 PM
Arsenic	230,000	640		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Beryllium	ND	3,200		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Chromium	56,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Cobalt	48,000	3,200		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Copper	44,000,000	640,000		µg/Kg-dry	10000	9/24/2007 3:12:37 PM
Lead	1,900,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Lithium	ND	640		µg/Kg-dry	10	9/24/2007 6:01:06 PM
Manganese	73,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Nickel	540,000	6,400		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Silver	9,000	87		µg/Kg-dry	10	9/19/2007 7:34:43 PM
Strontium	ND	160,000		µg/Kg-dry	100	9/21/2007 2:40:16 PM
Zinc	5,400,000 _S	64,000		µg/Kg-dry	1000	9/24/2007 4:01:23 PM
MERCURY		SW7471A		Analyst: AB2		
Mercury	22	14		µg/Kg-dry	1	9/18/2007 3:32:39 PM
PERCENT MOISTURE		D2216		Analyst: JE		

Qualifiers:

- *X Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

M Manual Integration used to determine area response

RL Reporting Detection Limit

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J. Knoll
9/26/07

ATTACHMENT D
FORMER C&H LEACH PLANT, MDEQ SAMPLING LOCATIONS AND RESULTS
THAT EXCEED RDCC

Attachment D-1
Results of Metals Analysis that Exceed RDCC
in Samples Collected by MDEQ at AOI 19 - C and H Leach Plant
August 9, 2007

Parameter	Regulatory Criteria		Sample Name	Ahmeek Regrind South	Ahmeek Regrind South #1	Ahmeek Regrind South #2	Ahmeek Regrind South #2	Ahmeek Regrind South #3
			Sampling Date	08/09/07	08/09/07	08/09/07	08/09/07	08/09/07
			Sample Type	Laboratory	XRF	XRF	XRF	XRF
			Sample Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
	Part 201 SDBL	Part 201 RDCC	Sample Number/ Location Units	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South
Metals								
Antimony	--	180	mg/Kg	37	205	141	61	127
Arsenic	5.8	7.6	mg/Kg	36	592	172	280	83
Barium	75	37,000	mg/Kg	1,300	0	0	0	0
Beryllium	NA	410	mg/Kg	8	NT	NT	NT	NT
Cadmium	1	550	mg/Kg	19	23	16	9.3	38
Chromium	18	790,000	mg/Kg	76	610	639	908	329
Cobalt	6.8	2,600	mg/Kg	19	1,621	621	4.1	436
Copper	32	20,000	mg/Kg	74,000	132,830	67,264	66,886	61,359
Iron	12,000	160,000	mg/Kg	63,000	280,923	109,343	123,230	121,800
Lead	21.0	400	mg/Kg	6,800	16,317	5,671	5,674	5,175
Manganese	440.0	25,000	mg/Kg	1,100	62	38	1,286	144
Molybdenum	NA	2,600	mg/Kg	45	28	10	30	24
Mercury	0.1	160.0	mg/Kg	7	340	132	178	75
Nickel	20	4,000	mg/Kg	89	1,527	648	714	659
Rubidium	---	---	mg/Kg	NT	144	40	47	46
Selenium	0.4	2,600	mg/Kg	6	92	47	48	30
Silver	1	2,500	mg/Kg	330	1,059	422	390	260
Strontium	NA	330,000	mg/Kg	NT	116	431	443	522
Thallium	NA	35	mg/Kg	<LOD	NT	NT	NT	NT
Tin	---	---	mg/Kg	NT	8,053	3,873	3,577	4,454
Titanium	---	---	mg/Kg	NT	6,950	6,006	4,572	5,586
Vanadium	NA	750	mg/Kg	42	NT	NT	NT	NT
Zinc	47	170,000	mg/Kg	1,300	5,142	2,464	3,333	2,328
Zirconium	---	---	mg/Kg	NT	281	94	98	23

Attachment D-1
Results of Metals Analysis that Exceed RDCC
in Samples Collected by MDEQ at AOI 19 - C and H Leach Plant
August 9, 2007

Parameter	Regulatory Criteria		Sample Name	Ahmeek Regrind #1	Ahmeek Regrind #2	Ahmeek Regrind #3
			Sampling Date	08/09/07	08/09/07	08/09/07
			Sample Type	XRF	XRF	XRF
			Sample Matrix	Sediment	Sediment	Sediment
	Part 201 SDBL	Part 201 RDCC	Sample Number/ Location	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South	C&H Leach Plant, Ahmeek Regrind South
			Units			
Metals						
Antimony	--	180	mg/Kg	25	466	85
Arsenic	5.8	7.6	mg/Kg	651	635	759
Barium	75	37,000	mg/Kg	0	0	0
Beryllium	NA	410	mg/Kg	NT	NT	NT
Cadmium	1	550	mg/Kg	5.5	56	137
Chromium	18	790,000	mg/Kg	631	1,154	660
Cobalt	6.8	2,600	mg/Kg	1,253	1,348	1,080
Copper	32	20,000	mg/Kg	76,900	65,157	57,160
Iron	12,000	160,000	mg/Kg	27,123	23,852	28,836
Lead	21.0	400	mg/Kg	24,323	25,766	28,724
Manganese	440.0	25,000	mg/Kg	817	1,176	547
Molybdenum	NA	2,600	mg/Kg	10	7.2	11
Mercury	0.1	160.0	mg/Kg	195	170	85
Nickel	20	4,000	mg/Kg	403	314	150
Rubidium	---	---	mg/Kg	37	14	20
Selenium	0.4	2,600	mg/Kg	59	81	72
Silver	1	2,500	mg/Kg	193	585	287
Strontium	NA	330,000	mg/Kg	151	139	221
Thallium	NA	35	mg/Kg	NT	NT	NT
Tin	---	---	mg/Kg	26,413	27,016	26,540
Titanium	---	---	mg/Kg	4,856	6,027	6,610
Vanadium	NA	750	mg/Kg	NT	NT	NT
Zinc	47	170,000	mg/Kg	10,226	11,211	10,337
Zirconium	---	---	mg/Kg	188	174	167

Attachment D-1
Results of Metals Analysis that Exceed RDCC
in Samples Collected by MDEQ at AOI 19 - C and H Leach Plant
August 9, 2007

NOTES:

Results in shaded boxes exceed the MDEQ Part 201 Residential Direct Contact Criteria.

LOD – Level of Detection for the Innov-X XRF Instrument

MDEQ - Michigan Department of Environmental Quality

mg/Kg – Milligrams per kilogram. Laboratory sample results are on a dry weight basis.

NT - analyte was not tested

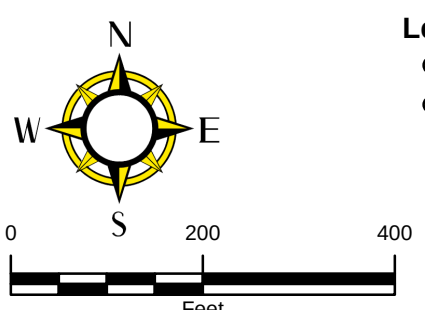
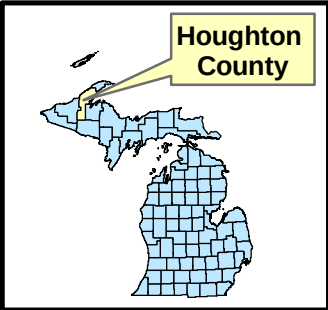
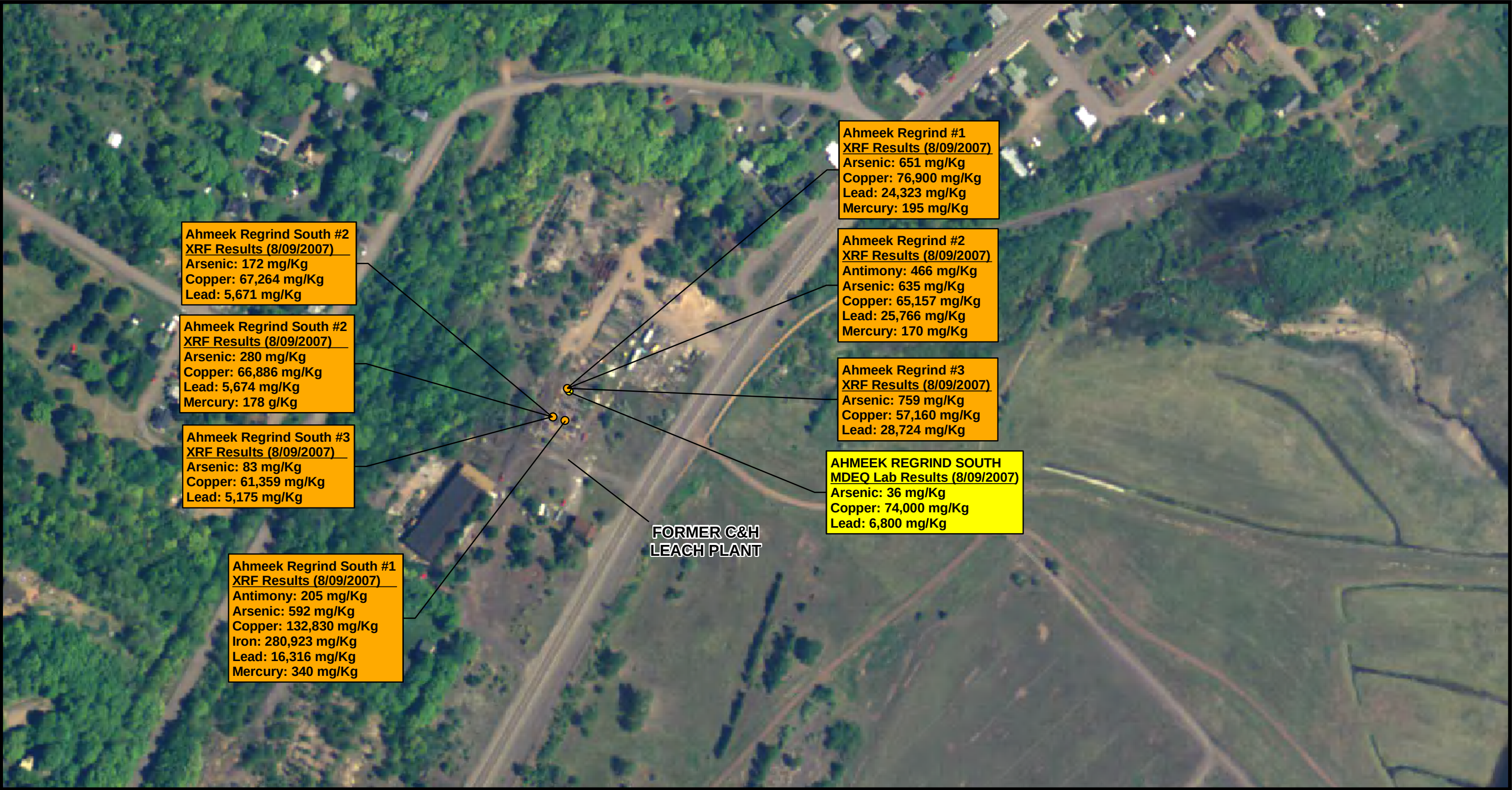
Part 201-RDCC – MDEQ Part 201 Residential Direct Contact Criteria

Part 201-SDBL – MDEQ Part 201 Statewide Default Background Level

XRF – X-Ray Fluorescence

"--" – Not listed in MDEQ Part 201 Tables

< – Less than



- Legend**
- MDEQ XRF Soil Sample
 - MDEQ Laboratory Soil Sample
 - Soil Results Shown Exceed Part 201 Residential Direct Contact Criteria (RDCC)
 - Sampling Locations are Approximate
 - MDEQ: Michigan Department of Environmental Quality
 - mg/Kg: milligrams per kilogram
 - XRF: X-Ray Fluorescence

Source of Imagery: ESRI ArcGIS Map Service (c) 2007
Date of Photography: 06/21/2005

Attachment D-2



Prepared for:
U.S. EPA REGION V
Contract No: EP-S5-06-04

TDD No.: S05-0002-0708-020
DCN: 274-2A-ABDT



Prepared by:
WESTON SOLUTIONS, INC.
2501 Jolly Road, Suite 100
Okemos, Michigan

AOI No. 19
FORMER C&H LEACH PLANT
MDEQ SAMPLING LOCATIONS AND RESULTS
KEWEENAW PENINSULA, MICHIGAN
October 2007

ATTACHMENT E
LAKE LINDEN U.S. EPA EMERGENCY RESPONSE DATA

Attachment E-1a
Summary of Analytical Results of Clayey Material Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 26, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-Sediment1	LLV-Sediment2
			Sampling Date		07/26/07	07/26/07
			Sample Matrix		Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#12, 0-3" (Clayey material)	LLV Shoreline, Grid#12, 0-3" (Clayey/silt material)
			Units			
Metals and Cyanide						
Cyanide (total)	0.39	12	mg/Kg-dry	EPA 335.2/9012B	<0.20	<0.20
Aluminum	6,900	50,000	mg/Kg-dry	EPA 6010B	5,800	7,800
Barium	75	37,000	mg/Kg-dry	EPA 6010B	140,000	350
Beryllium	NA	410	mg/Kg-dry	EPA 6010B	8.5	1.0
Cadmium	1	550	mg/Kg-dry	EPA 6010B	120	4.2
Calcium	--	--	mg/Kg-dry	EPA 6010B	22,000	6,600
Chromium	18	790,000	mg/Kg-dry	EPA 6010B	290	19
Cobalt	6.8	2,600	mg/Kg-dry	EPA 6010B	30	10
Copper	32	20,000	mg/Kg-dry	EPA 6010B	79,000	1,900
Iron	12,000	160,000	mg/Kg-dry	EPA 6010B	33,000	13,000
Magnesium	NA	1,000,000	mg/Kg-dry	EPA 6010B	5,100	7,000
Potassium	--	--	mg/Kg-dry	EPA 6010B	280	540
Sodium	NA	1,000,000	mg/Kg-dry	EPA 6010B	130	110
Vanadium	NA	750	mg/Kg-dry	EPA 6010B	6.1	28
Antimony	NA	180	mg/Kg-dry	SW6020	50	0.97
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	8.2	9.2
Lead	21	400	mg/Kg-dry	SW6020	80,000	2,100
Manganese	440	25,000	mg/Kg-dry	SW6020	220	170
Nickel	20	4,000	mg/Kg-dry	SW6020	160	32
Selenium	0.4	2,600	mg/Kg-dry	SW6020	9.1	0.53
Silver	1	2,500	mg/Kg-dry	SW6020	45	8.0
Thallium	NA	35	mg/Kg-dry	SW6020	<0.50	<0.50
Zinc	47	170,000	mg/Kg-dry	SW6020	13,000	390
Mercury	0.1	160.0	mg/Kg-dry	EPA 7471A	1.9	0.11

Attachment E-1a
Summary of Analytical Results of Clayey Material Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 26, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-Sediment1	LLV-Sediment2
			Sampling Date		07/26/07	07/26/07
			Sample Matrix		Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#12, 0-3" (Clayey material)	LLV Shoreline, Grid#12, 0-3" (Clayey/silt material)
			Units			
PCBs						
PCBs (Total)	NA	4,000	ug/Kg-dry	EPA 8082	1,131	136
SVOCs						
Bis(2-ethylhexyl)phthalate	NA	2,800,000	ug/Kg-dry	EPA 8270C	340	<330

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/Kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

SVOC - semivolatile organic compound

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name		LLV-1A	LLV-1B	LLV-2A	LLV-2B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#1, 0-3"	LLV Shoreline, Grid#1, 12-18"	LLV Shoreline, Grid#2, 0-3"	LLV Shoreline, Grid#2, 12-18"
			Units					
Test Method								
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.5	3.1	< 2.4	< 2.5
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	3	2	65	11
Barium	75	37,000	mg/Kg-dry	SW6020	20	21	17	18
Copper	32	20,000	mg/Kg-dry	SW6020	1,900	7,100	1,100	5,100
Lead	21	400	mg/Kg-dry	SW6020	23	40	27	9

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-3A	LLV-3B	LLV-4A	LLV-4B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#3, 0-3"	LLV Shoreline, Grid#3, 12-18"	Shoreline, Grid#4, 0-3"	LLV Shoreline, Grid#4, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.6	< 2.6	< 2.5	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	7	7	2	2
Barium	75	37,000	mg/Kg-dry	SW6020	12	10	21	19
Copper	32	20,000	mg/Kg-dry	SW6020	810	1,200	770	1,500
Lead	21	400	mg/Kg-dry	SW6020	19	14	16	8

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-5A	LLV-5B	LLV-6A	LLV-6B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#5, 0-3"	LLV Shoreline, Grid#5, 12-18"	Shoreline, Grid#6, 0-3"	LLV Shoreline, Grid#6, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.6	< 2.4	< 2.6	< 2.3
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	1.7	1.4	2.4	2.3
Barium	75	37,000	mg/Kg-dry	SW6020	17	16	14	11
Copper	32	20,000	mg/Kg-dry	SW6020	6,400	1,300	2,600	3,900
Lead	21	400	mg/Kg-dry	SW6020	20	20	35	13

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-7A	LLV-7B	LLV-7ADUP	LLV-7BDUP
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#7, 0-3"	LLV Shoreline, Grid#7, 12-18"	LLV Shoreline, Grid#7, 0-3"	LLV Shoreline, Grid#7, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.5	< 2.6	< 2.4	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	3	2	2	3
Barium	75	37,000	mg/Kg-dry	SW6020	16	11	9.3	14
Copper	32	20,000	mg/Kg-dry	SW6020	1,000	560	470	1,100
Lead	21	400	mg/Kg-dry	SW6020	27	22	18	25

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-8A	LLV-8B	LLV-9A	LLV-9B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#8, 0-3"	LLV Shoreline, Grid#8, 12-18"	LLV Shoreline, Grid#9, 0-3"	LLV Shoreline, Grid#9, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.2	< 2.3	< 2.1	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	< 1.1	< 1.2	1.6	1.6
Barium	75	37,000	mg/Kg-dry	SW6020	7.2	7.4	11	12
Copper	32	20,000	mg/Kg-dry	SW6020	1,500	1,000	1,700	2,200
Lead	21	400	mg/Kg-dry	SW6020	11	14	59	36

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

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Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-10A	LLV-10B	LLV-11A	LLV-11B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#10, 0-3"	LLV Shoreline, Grid#10, 12-18"	LLV Shoreline, Grid#11, 0-3"	LLV Shoreline, Grid#11, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.5	< 2.3	< 2.2	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	2.2	< 1.2	2.7	1.3
Barium	75	37,000	mg/Kg-dry	SW6020	14	8	43	41
Copper	32	20,000	mg/Kg-dry	SW6020	910	970	800	780
Lead	21	400	mg/Kg-dry	SW6020	74	18	79	16

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-13A	LLV-13B	LLV-14A	LLV-14B
			Sampling Date		07/30/07	07/30/07	07/31/07	07/31/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#13, 0-3"	LLV Shoreline, Grid#13, 12-18"	LLV Shoreline, Grid#14, 0-3"	LLV Shoreline, Grid#14, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.5	< 2.6	< 2.4	< 2.3
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	1.7	3.2	<1.2	11
Barium	75	37,000	mg/Kg-dry	SW6020	54	100	19	110
Copper	32	20,000	mg/Kg-dry	SW6020	300	1,100	72	1,500
Lead	21	400	mg/Kg-dry	SW6020	23	49	4.5	470

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-15A	LLV-15B	LLV-16A	LLV-16B
			Sampling Date		07/31/07	07/31/07	07/31/07	07/31/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#15, 0-3"	LLV Shoreline, Grid#15, 12-18"	LLV Shoreline, Grid#16, 0-3"	LLV Shoreline, Grid#16, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.3	< 2.4	< 2.3	< 2.5
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	< 1.2	2.6	< 1.2	1.6
Barium	75	37,000	mg/Kg-dry	SW6020	15	21	14	23
Copper	32	20,000	mg/Kg-dry	SW6020	130	590	160	380
Lead	21	400	mg/Kg-dry	SW6020	2.5	20	2.7	16

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-17A	LLV-17B	LLV-18A	LLV-18B
			Sampling Date		07/31/07	07/31/07	07/31/07	07/31/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Number/ Location		LLV Shoreline, Grid#17, 0-3"	LLV Shoreline, Grid#17, 12-18"	Shoreline, Grid#18, 0-3"	Shoreline, Grid#18, 12-
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.4	< 2.5	< 2.2	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	2.2	2.2	2	1.2
Barium	75	37,000	mg/Kg-dry	SW6020	21	40	17	20
Copper	32	20,000	mg/Kg-dry	SW6020	390	440	290	930
Lead	21	400	mg/Kg-dry	SW6020	10	49	9.4	13

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-19A	LLV-19B	LLV-20A	LLV-20B
			Sampling Date		07/31/07	07/31/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Number/ Location		Shoreline, Grid#19, 0-3"	LLV Shoreline, Grid#19, 12-18"	LLV Shoreline, Grid#20, 0-3"	LLV Shoreline, Grid#20, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.3	< 2.7	< 2.5	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	2.8	2.1	3.9	1.5
Barium	75	37,000	mg/Kg-dry	SW6020	19	25	28	23
Copper	32	20,000	mg/Kg-dry	SW6020	440	930	410	850
Lead	21	400	mg/Kg-dry	SW6020	4.7	39	9.7	4

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name		LLV-21A	LLV-21B	LLV-22A	LLV-22B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Number/ Location		Shoreline, Grid#21, 0-3"	LLV Shoreline, Grid#21, 12-18"	LLV Shoreline, Grid#22, 0-3"	LLV Shoreline, Grid#22, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.3	< 2.5	< 2.3	< 2.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	10	5	2.3	1.7
Barium	75	37,000	mg/Kg-dry	SW6020	57	49	22	22
Copper	32	20,000	mg/Kg-dry	SW6020	3,200	760	580	580
Lead	21	400	mg/Kg-dry	SW6020	10	9.6	8.5	2.5

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-23A	LLV-23B	LLV-24A	LLV-24B
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Number/ Location		Shoreline, Grid#23, 0-3"	LLV Shoreline, Grid#23, 12-18"	LLV Shoreline, Grid#24, 0-3"	LLV Shoreline, Grid#24, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.6	< 2.2	< 2.5	< 2.3
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	5	1.6	4.6	2.1
Barium	75	37,000	mg/Kg-dry	SW6020	66	27	80	23
Copper	32	20,000	mg/Kg-dry	SW6020	630	880	750	570
Lead	21	400	mg/Kg-dry	SW6020	15	3	5.6	3.7
PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-25A	LLV-25B	LLV-26A	LLV-26B
			Sampling Date		07/30/07	07/30/07	07/31/07	07/31/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#25, 0-3"	LLV Shoreline, Grid#25, 12-18"	LLV Shoreline, Grid#26, 0-3"	LLV Shoreline, Grid#26, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2	< 2	< 1.9	< 2
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	5.9	1.3	3	1.4
Barium	75	37,000	mg/Kg-dry	SW6020	33	11	28	18
Copper	32	20,000	mg/Kg-dry	SW6020	100	1,200	60	1,100
Lead	21	400	mg/Kg-dry	SW6020	9.3	2.2	6.5	29

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-27A	LLV-27B	LLV-28A	LLV-28B
			Sampling Date		07/31/07	07/31/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#27, 0-3"	LLV Shoreline, Grid#27, 12-18"	LLV Shoreline, Grid#28, 0-3"	LLV Shoreline, Grid#28, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2	< 2	< 1.9	< 2.2
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	14	1.5	1.6	1.5
Barium	75	37,000	mg/Kg-dry	SW6020	110	25	16	19
Copper	32	20,000	mg/Kg-dry	SW6020	2,000	730	33	170
Lead	21	400	mg/Kg-dry	SW6020	110	43	1.6	3

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name		LLV-29A	LLV-29B	LLV-30A	LLV-30B
			Sampling Date		07/31/07	07/31/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#29, 0-3"	LLV Shoreline, Grid#29, 12-18"	LLV Shoreline, Grid#30, 0-3"	LLV Shoreline, Grid#30, 12-18"
			Units					
Test Method								
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2	< 2.1	< 2	< 2.2
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	2.6	1.1	1.5	1.4
Barium	75	37,000	mg/Kg-dry	SW6020	34	23	16	12
Copper	32	20,000	mg/Kg-dry	SW6020	92	820	570	580
Lead	21	400	mg/Kg-dry	SW6020	7.6	2.6	10	2.6

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-31A	LLV-31B	LLV-32A	LLV-32B
			Sampling Date		07/31/07	07/31/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#31, 0-3"	LLV Shoreline, Grid#31, 12-18"	LLV Shoreline, Grid#32, 0-3"	LLV Shoreline, Grid#32, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2	< 2.1	< 2	< 2.3
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	1.1	1.3	< 0.99	2.4
Barium	75	37,000	mg/Kg-dry	SW6020	18	16	17	120
Copper	32	20,000	mg/Kg-dry	SW6020	200	490	140	1,100
Lead	21	400	mg/Kg-dry	SW6020	3.8	2.3	0.94	4.2

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-13ADUP	LLV-13BDUP	LLV-28ADUP	LLV-28BDUP
			Sampling Date		07/30/07	07/30/07	07/30/07	07/30/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		Shoreline, Grid#13, 0-3"	LLV Shoreline, Grid#13, 12-18"	LLV Shoreline, Grid#28, 0-3"	LLV Shoreline, Grid#28, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2	< 2.1	< 2.1	< 2.2
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	2.6	1.1	2	1.5
Barium	75	37,000	mg/Kg-dry	SW6020	34	23	18	19
Copper	32	20,000	mg/Kg-dry	SW6020	92	820	39	250
Lead	21	400	mg/Kg-dry	SW6020	7.6	2.6	1.9	4.7

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1b
Summary of Laboratory Analytical Results For Soil/Sediment Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 30- July 31, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-15ADUP	LLV-15BDUP	LLV-22ADUP	LLV-22BDUP
			Sampling Date		07/31/07	07/31/07	07/31/07	07/31/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV Shoreline, Grid#15, 0-3"	LLV Shoreline, Grid#15, 12-18"	Shoreline, Grid#22, 0-3"	LLV Shoreline, Grid#22, 12-18"
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	< 2.3	< 2.4	< 2.4	< 2.3
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	< 1.2	3.1	1.9	1.6
Barium	75	37,000	mg/Kg-dry	SW6020	13	22	21	18
Copper	32	20,000	mg/Kg-dry	SW6020	130	550	720	570
Lead	21	400	mg/Kg-dry	SW6020	2.4	27	3.9	2.2

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.7	<0.7	<0.7	<0.7

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

< - less than listed method limit of detection

" - inch

mg/kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1c
Summary of Analytical Results for Surface Water Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 26, 2007

Parameter	Sample Name	LLV Beach 1	LLV Creek 1	Final Chronic Value (FCV)	Surface Water Human Drinking Water Value (HDV)	Part 201 Generic Groundwater/Surface Water Interface (GSI) Criteria	Part 201 Groundwater Contact Criteria	Part 201 Residential Drinking Water Criteria
	Sampling Date	7/26/2007	7/26/2007					
	Sample Matrix	Water	Water					
	Sample Number/ Location	LLV Beach	LLV Creek, North of Bridge					
	Units							
Metals								
Barium	µg/L	270	530	190	1,900	190 (G, X)	1.4E+7	2,000 (A)
Beryllium	µg/L	ND	ND	0.034	160	0.34 (G)	2.9E+5	4.0 (A)
Cadmium	µg/L	ND	1.2	1.3	3.0	1.3 (G, X)	1.9E+5	5.0 (A)
Chromium (III)	µg/L	ND	14	39	120	39 (G, X)	2.9E+8	100 (A)
Copper	µg/L	240	990	4.6	790	4.6 (G)	7.4E+6	1,000 (E)/HB = 1,400
Lead	µg/L	44	550	4.4	14	4.4 (G, X)	ID	4.0 (L)
Manganese	µg/L	180	720	980	3,600	980 (G, X)	9.1E+6	50 (E)/HB = 860
Nickel	µg/L	ND	ND	27	2,600	27 (G)	7.4E+7	100 (A)
Zinc	µg/L	ND	110	61	4,500	61 (G)	1.1E+8	2,400
Calcium	µg/L	57,000	33,000	NA	NA	NA	NA	NA
Iron	µg/L	2,800	14,000	NA	NA	NA	5.8E+7	300 (E)/HB = 2,000
Magnesium	µg/L	5,000	7,000	NA	NA	NA	1.0E+9 (D)	4.00E+05
Sodium	µg/L	7,700	14,000	NA	NA	NA	1.0E+9 (D)	1.20E+05
Aluminum	µg/L	3,100	3,900	NA	NA	NA	6.4E+7	50 (V)
Antimony	µg/L	ND	3	240	1.7	2 (X)	68,000	6.0 (A)
Arsenic	µg/L	9.50	20	150	50	50 (X)	4,300	10 (A)
Cobalt	µg/L	ND	ND	100	NA	100	2.4E+6	40
Potassium	µg/L	1,600	3,800	NA	NA	NA	NA	NA
Selenium	µg/L	ND	ND	5	NA	5	9.7E+5	50 (A)
Silver	µg/L	0.88	4.6	0.06	130	0.2 (M); 0.06	1.5E+6	34
Thallium	µg/L	ND	ND	7.2	1.2	2.0 (M, X)	13,000	2.0 (A)
Vanadium	µg/L	7.80	20	12	220	12	9.7E+5	4.5
Mercury	µg/L	ND	ND	0.77	0.0018	0.0013	56 (S)	2.0 (A)
pH	s.u.	7.55	7.72	NA	NA	6.5-9.0	NA	6.5-8.5 (E)
Cyanide	µg/L	ND	ND	5.2	600	5.2	57,000	200 (A)

Attachment E-1c
Summary of Analytical Results for Surface Water Samples Collected by START
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
July 26, 2007

Notes:

Metal results are for total metals (unfiltered)

 - Shaded results exceed applicable GSI criteria

 - **Bold font results exceed Residential Drinking Water Criteria**

 - **Pattern results exceed Rule 57 Human Drinking Water Value**

Part 201 Criteria Footnotes:

µg/L - micrograms per liter

HB - Health Based

LLV - Lake Linden

ND - below detection limit

START - Superfund Technical Assessment and Response Team

s.u. - standard units

A - Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005

D - Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

E - Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended

G - The GSI criteria is dependent on the hardness of the receiving surface water body. A hardness value of 46 mg/L calcium carbonate (CaCO₃) was used for this data based on previously-used values for Torch Lake.

assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 µg/L is linked to the generic residential soil direct contact criterion of 400 mg/kg.

M - Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target

S - Criterion defaults to the hazardous substance-specific water solubility limit

X - The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion

Note: the HDV was applied for this data as Torch Lake is considered a connecting water to a Great Lake (Lake Superior).

Final chronic value (FCV) = the level of a substance or a mixture of substances that does not allow injurious or debilitating effects in an aquatic organism resulting from repeated long-term exposure to a substance relative to the organisms lifespan

Attachment E-1d
Summary of Laboratory Analytical Results For Sediment Samples
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
August 7, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-MP1-01	LLV-MP2-01	LLV-MP3-01	LLV-MP4-01
			Sampling Date		08/07/07	08/07/07	08/07/07	08/07/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV-MP1	LLV-MP2	LLV-MP3	LLV-MP4
			Units					
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	<5.2	6	<4.7	<5.2
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	<2.6	<2.9	<2.3	<2.6
Barium	75	37,000	mg/Kg-dry	SW6020	87	930	29	25
Copper	32	20,000	mg/Kg-dry	SW6020	360	1,700	200	340
Lead	21.0	400	mg/Kg-dry	SW6020	100	1,300	40	21

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.77	0.58	<0.70	<0.77

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

All samples collected using a Ponar dredge deployed from the RV Mudpuppy.

< - less than listed method limit of detection

mg/Kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Attachment E-1d
Summary of Laboratory Analytical Results For Sediment Samples
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
August 7, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name		LLV-MP5-01	LLV-MP6-01	LLV-MP7-01	LLV-MP8-01
			Sampling Date		08/07/07	08/07/07	08/07/07	08/07/07
			Sample Matrix		Soil	Soil	Soil	Soil
			Sample Number/ Location		LLV-MP5	LLV-MP6	LLV-MP7	LLV-MP8
			Units					
Test Method								
Metals								
Antimony	NA	180	mg/Kg-dry	SW6020	<4.8	<6.2	<5.0	<7.4
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	<2.4	<3.1	<2.5	4.1
Barium	75	37,000	mg/Kg-dry	SW6020	170	120	32	150
Copper	32	20,000	mg/Kg-dry	SW6020	310	330	100	540
Lead	21.0	400	mg/Kg-dry	SW6020	130	110	11	68

PCBs								
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.70	<0.91	<0.77	<1.05

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

All samples collected using a Ponar dredge deployed from the RV Mudpuppy.

< - less than listed method limit of detection

mg/Kg-dry - milligrams per kilogram dry weight

NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team

Attachment E-1d
Summary of Laboratory Analytical Results For Sediment Samples
Lake Linden Emergency Response Site
Lake Linden, Houghton County, Michigan
August 7, 2007

Parameter	Part 201 SDBL	Part 201 RDCC	Sample Name	Test Method	LLV-MP-DUP-01
			Sampling Date		08/07/07
			Sample Matrix		Soil
			Sample Number/ Location		LLV-MP1
			Units		
Metals					
Antimony	NA	180	mg/Kg-dry	SW6020	<4.9
Arsenic	5.8	7.6	mg/Kg-dry	SW6020	<2.4
Barium	75	37,000	mg/Kg-dry	SW6020	66
Copper	32	20,000	mg/Kg-dry	SW6020	270
Lead	21.0	400	mg/Kg-dry	SW6020	97

PCBs					
PCBs (Total)	NA	4	mg/Kg-dry	SW8082	<0.70

NOTES:

Results in shaded boxes exceed the Part 201 Residential Direct Contact Criteria.

All samples collected using a Ponar dredge deployed from the RV Mudpuppy.

< - less than listed method limit of detection

mg/Kg-dry - milligrams per kilogram dry weight

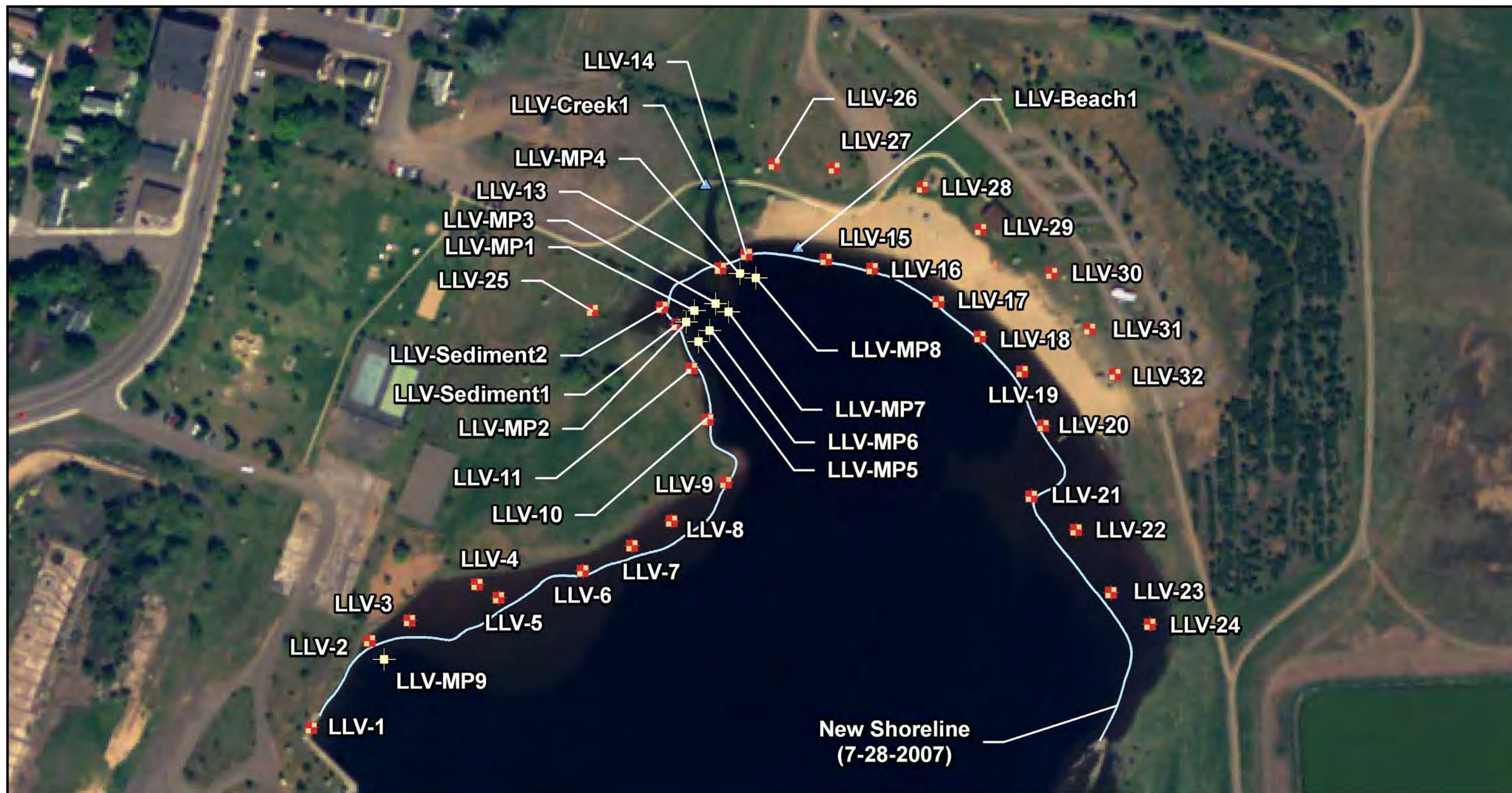
NA - Not available

Part 201-SDBL - Part 201 Statewide Default Background Level

Part 201-RDCC - Part 201 Residential Direct Contact Criteria

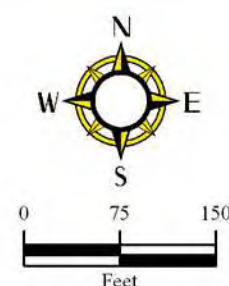
PCB - polychlorinated biphenyl

START - Superfund Technical Assessment and Response Team



Source of Imagery: Michigan Geographic Data Library (C) 2007
Date of Photography: 06/21/2005

Attachment E-2



Legend

- Mud Puppy Sampling Location
- Soil Sampling Location
- Water Sampling Location
- Shoreline (7-28-2007)



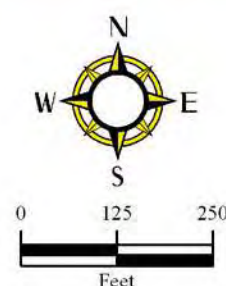
Prepared for:
U.S. EPA REGION V
Contract No: EP-S5-06-04

TDD No.: S05-0001-0707-021
DCN: 274-2A-ABDT



Prepared by:
WESTON SOLUTIONS, INC.
2501 Jolly Road, Suite 100
Okemos, MI

SAMPLING LOCATIONS
LAKE LINDEN - ER
LAKE LINDEN, HOUGHTON CO., MI
September 2007
Scale: 1"= 150'



Legend

- Soil Sample Exceeds Part 201 RDCC
- Water Sample Exceeds Applicable Part 201 Criteria
- Shoreline (7-28-2007)

Note: PCBs* have been included on this figure; however, concentrations do not exceed Part 201 RDCC.
 PCB - Polychlorinated Biphenyl
 RDCC - Residential Direct Contact Criteria
 mg/Kg - milligrams per kilogram; mg/L - milligrams per liter

Source of Imagery: Michigan Geographic Data Library (C) 2007
 Date of Photography: 06/21/2005

Attachment E-3



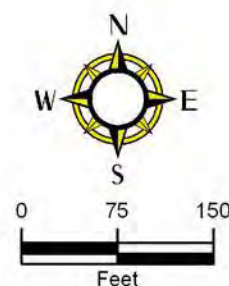
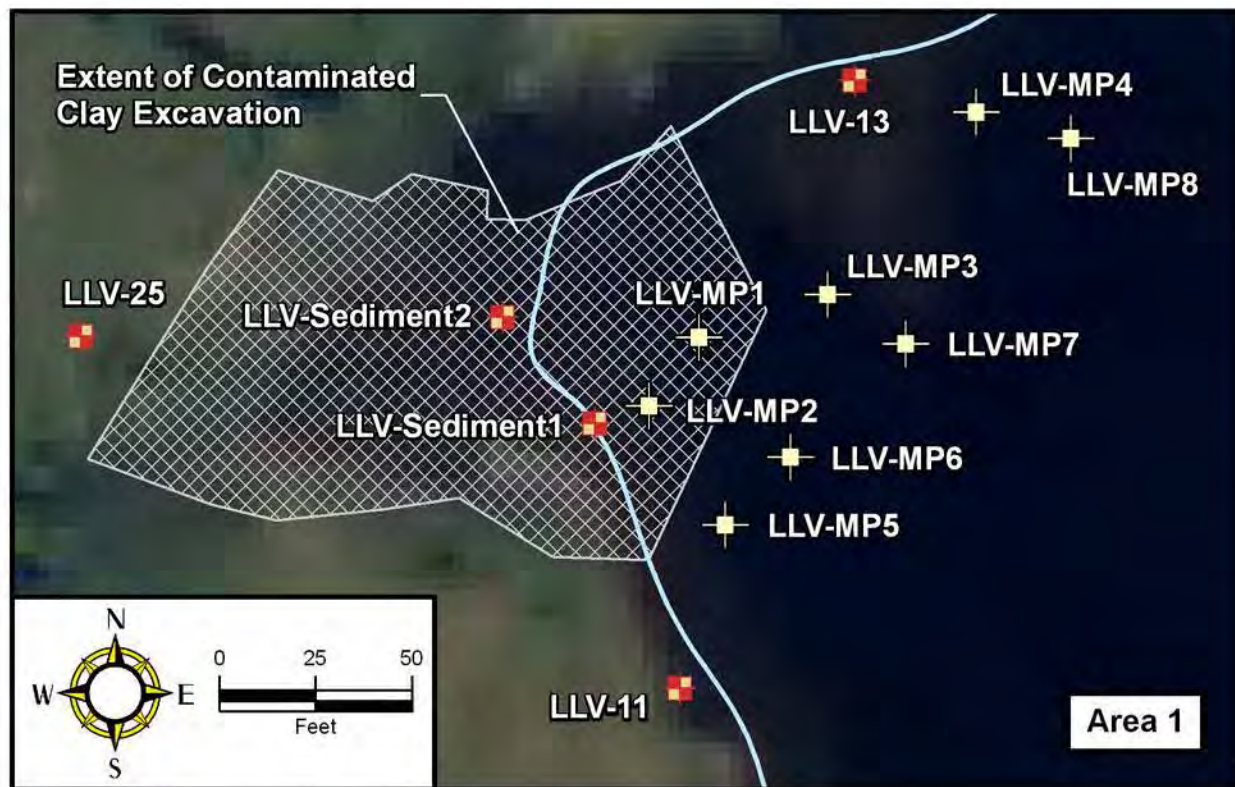
Prepared for:
U.S. EPA REGION V
 Contract No: EP-S5-06-04

TDD No.: S05-0001-0707-021
 DCN: 274-2A-ABDT



Prepared by:
WESTON SOLUTIONS, INC.
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 Okemos, MI

CRITERIA EXCEEDANCE MAP
 LAKE LINDEN - ER
 LAKE LINDEN, HOUGHTON CO., MI
 August 2, 2007
 Scale: 1"= 250'



Legend

- Mud Puppy Sampling Locations
- Soil Sampling Location
- Water Sampling Location
- Excavation
- Shoreline (7-28-2007)



Source of Imagery: Michigan Geographic Data Library (C) 2007
Date of Photograph: 06/21/2005

Attachment E-4



Prepared for:
U.S. EPA REGION V
Contract No: EP-S5-06-04

TDD No.: S05-0001-0707-021
DCN: 274-2A-ABDT



Prepared by:
WESTON SOLUTIONS, INC.
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Okemos, MI

EXTENT OF CONTAMINATED CLAY
AND ARSENIC SOILS EXCAVATIONS
LAKE LINDEN - ER
LAKE LINDEN, HOUGHTON CO., MI
September 2007
Scale: 1"= 150'; 1"=50'