



# FIELD ACTIVITY REPORT

Report Number/Date:

5-6-09

Project Name: 2009  
Tronex - Annual GW Sampling

Project Number: 20092544V1

Report By: P.B

Personnel: P. Brinkerhoff, Walker McKeag

Location: Tronex

Equipment: GW

Client: Tronex LLC

Weather: Clear & Hot

0830 Tagged PC-78 for Depth of Well and Depth of Water from top of pipe; Depth of well is 22.0', and Depth to water is 8.3' (Water Level only)

0900 Tagged PC-77 for Depth of Well and Depth of Water from top of pipe; Depth of Well is 39.0', and Depth of Water is 9.0'

0910 began purging PC-77

1013 Sample # PC-77

1100 returned to GES to get updated coordinates & GPS

1245 returned to tag Depth of Well and Depth of Water from PC-76; Depth of Well is 22.3'; and Depth of Water is 14.5' (Water Level only)

1310 Tagged PC-74 for Water Level and Depth of Well; Depth of Well is 50.0' and Depth to Water is 14.5'

1320 began hand bailing

1455 Sample # PC-74

1530 Dropped samples at tronox for Delivery.

Printed Name/Signature: Phil Brinkerhoff

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**BROADBENT & ASSOCIATES, INC.**  
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

**Groundwater Sampling Data Sheet**

Well I.D. PC-77 Date: 5-6-05  
 Sampler's Name: P. Brinkerhoff  
 Purging Equipment: 200' SS Grasub  
 Sampling Equipment: \_\_\_\_\_  
 Casing Type: PVC PC-77 PC-78 **UNIT CASING VOLUMES**  
 Casing Diameter: 2" inch 2" = 0.16 gal/lin ft.  
 Total Well Depth: 39 feet 22 4" = 0.67 gal/lin ft.  
 Depth to Water: - 9' feet 8'3" 6" = 1.47 gal/lin ft.  
 Water Column Thickness: = 30' feet 13.7  
 Unit Casing Volume: x 0.16 gallon / foot 0.16  
 Casing Water Volume: x 4.8 gallons 2.19  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 14.4 gallons 6.58

Free product measurement (if present): \_\_\_\_\_

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
	<u>0930</u>				<u>-</u>	<u>-</u>	<u>-</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 14.5 Gallons  
 Depth to Water at Sample Collection: 23'  
 Sample Collection Time: 1013  
 Purged Dry (Y/N): N

Comments: Did not have pH meter with temperature reading  
5min/gal flow rate

**Groundwater Sampling Data Sheet**

Well I.D. PC-74 Date: 5-6-09  
 Sampler's Name: P.B.  
 Purging Equipment: Disposable bailer  
 Sampling Equipment: \_\_\_\_\_  
 Casing Type: PVC PC-74 PC-76 **UNIT CASING VOLUMES**  
 Casing Diameter: 2" inch 2" 2" = 0.17 gal/lin ft.  
 Total Well Depth: 50.0 feet 22.3' 4" = 0.67 gal/lin ft.  
 Depth to Water: - 14.5 feet 14.5' 6" = 1.47 gal/lin ft.  
 Water Column Thickness: = 35.5 feet 7.8  
 Unit Casing Volume: x 0.17 gallon / foot N/A  
 Casing Water Volume: x 6.04 gallons 1.33  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 18.11 gallons 3.98  
 Free product measurement (if present): N/A

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
	1345					23.9	6.70	
	1400	X	X	X		24.1	7.46	
	1420	X	X	X		24.2	7.37	
	1425	X	X	X		23.1	7.40	
	1430	X	X	X		22.1	7.37	
	1435	X	X	X		22.3	7.30	
	1437	X	X	X		22.0	7.32	
		X	X	X				

Total Water Volume Purged: 18.0 Gallons  
 Depth to Water at Sample Collection: 17.3  
 Sample Collection Time: 1455  
 Purged Dry (Y/N): N

Comments: PC-74: soft on bottom,  
Hand bailed well



# Bottle Order for Ironox LLC - Henderson

MWH Laboratories, a Division of MWH Americas, Inc.  
750 Royal Oaks Avenue Suite 100  
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Client Code KERRMCGEE-MP  
Project Code CLO4  
PO# / Job# GWREMEDICATION  
Blanket PO

Period M Monthly

Andrew Eaton..... Your MWL Project Manager  
(626) 386-1125..... Direct Phone/Voice Mail

**SO# 47684 12374 RS** **Sampler: Please Return this Paper with your samples**

Created by GJY  
Order Date 04/16/09  
Date Needed by Client  
SHIP LOCATION

Billing Address  
Ironox LLC  
Attn: Accounts Payable  
PO BOX 268859  
Oklahoma City, OK 73126-8859

Send Report to  
Ironox LLC Henderson Plant  
P.O. Box 55  
Henderson, NV 89009

ATTN: Susan Crowley  
PHONE: 702-551-2234  
FAX: 702-551-2310

Quote# GJY

Bottles-Qty for each sample, type & preservative if any

UN#

# of Samples	Tests	Qty	Description	UN#	Important Comments
41	CLO4, TDS	1	250 ml poly /no preservative	-	These sites are monthly till further notice.
-	SHEET OF LABELS WITH WELL-IDS	-	see comments section	-	Shipping - please send bottles in cooler rather than a box
-	-	-	-	-	PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
-	-	-	-	-	L-635, L-637
-	-	-	-	-	MW-K2, MW-K4
-	-	-	-	-	ARP-1, ARP-2, ARP-3, ARP-4
-	-	-	-	-	ARP-5, ARP-6, ARP-7, PC-53
-	-	-	-	-	PC-103, MW-K5, M-83
-	-	-	-	-	M-87, PC-98R; PC-56, PC-58; PC-59, PC-60, PC-62, PC-68, PC-122
-	-	-	-	-	<b>Do NOT</b> prelabel bottles with site, but provide pre-printed labels for client to stick on
-	-	-	-	-	EXTRA BOTTLES INCLUDED
-	-	-	-	-	client code changed 7/25/03
-	-	-	-	-	bottle order and IDs updated 9/9/03

From: Origin ID: LASA (702) 651-2234  
Susan Crowley  
Tranox  
8000 West Lake Mead Parkway



Henderson, NV 89015

Ship Date: 06MAY09  
ActWgt: 50.0 LB  
CAD: 7219287/INET9011  
Account#: S \*\*\*\*\*

Delivery Address Bar Code



Ref # Annual Water Samples 10181.23  
Invoice #  
PO #  
Dept #

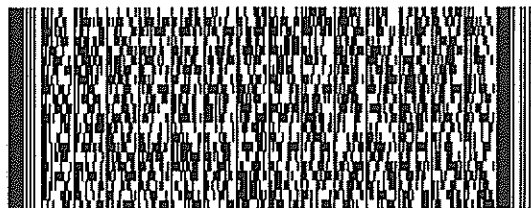
SHIP TO: (626) 386-1100 BILL SENDER

Sample Receiving  
MWH Labs  
750 ROYAL OAKS DR STE 100

MONROVIA, CA 91016

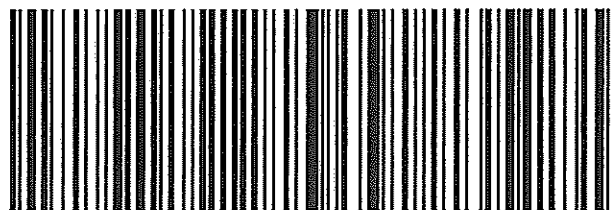
TRK# 7965 8408 0661  
0201

THU - 07MAY A2  
PRIORITY OVERNIGHT



QZ WHPA

91016  
CA-US  
BUR



**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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