



# FIELD ACTIVITY REPORT

Report Number/Date:

5-22-09

Project Name:  
TRONOX Annual GW. Sampling

Project Number:  
2009284481

Report By:  
DAVIS

Personnel:  
DAVIS / Qualls

Location:  
VARIOUS (AP Lab)

Equipment:  
Gardfos

Client:  
TRONOX

Weather:  
Partly cloudy, wind.

0600 - AT ~~655~~, LOAD TRUCK

0700 - AT M-125 - well unmarked, but in right location based on description and built same as M-127

0736 Collect sample M-125  
Collect Duplicate sample M-125

0800 Back at main entrance, Need key for Gate II to access M-123, M-124, M-128 Behind AP Shop; M-124 is more like 200 feet south of M-128.

0813 - AT M-128

0838 Collect sample M-128

0911 Collect sample at M-124

0957 Collect sample at M-123

Out of tubing, will locate M-142 and then take samples to Tronox

1015 - Dump purge water at pond

1033 - Locate M-142. Flush mounted at near SE CORNER OF AP SHOP / MAINT. Building.

Garmin survey -

W115.00487° N 36.04548 W6584.

1035 - Deliver samples to Tronox for shipment.

1038 - Locate M-111R on way back to Tronox office.

Printed Name/Signature: Doug Davis

Page 1 of 1



**Groundwater Sampling Data Sheet**

Well I.D. M-125 Date: 5-22-09  
 Sampler's Name: Davis/Qualls  
 Purging Equipment: Groundfos  
 Client: TRONOX Project No.: 20092544 V1

Casing Type: PVC  
 Casing Diameter: 2 inch  
 Total Well Depth: 53.5 feet  
 Depth to Water: 39.0 feet  
 Water Column Thickness: 14.5 feet  
 Unit Casing Volume: x 0.16 gallon / foot  
 Casing Water Volume: x 2.32 gallons  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 6.7 gallons

**UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.  
 4" = 0.67 gal/lin ft.  
 6" = 1.47 gal/lin ft.

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
1	0720					25.7	7.26	Cloudy, brown.
2	0725	X	X	X		25.3	7.25	clearing
3	0730	X	X	X		25.6	7.24	clear
4	0735	X	X	X		25.6	7.22	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 4 Gallons  
 Depth to Water at Sample Collection: \_\_\_\_\_  
 Sample Collection Time: 0736  
 Purged Dry (Y/N): N

Comments: GALVIN SURVEY: W 115, 00703 N 36.04636 W6584  
DUPLICATE SAMPLE



**Groundwater Sampling Data Sheet**

Well I.D. M-128 Date: 5-22-09  
 Sampler's Name: JANS / QUALLS  
 Purging Equipment: GRINDERS  
 Client: TRANOX Project No.: 2009 2544VI

Casing Type: PVC  
 Casing Diameter: 2 inch  
 Total Well Depth: 58.01 feet  
 Depth to Water: 58.01 feet 37.1  
 Water Column Thickness: = 20.91 feet  
 Unit Casing Volume: x 0.16 gallon / foot  
 Casing Water Volume: x 3.34 gallons  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 10 gallons

**UNIT CASING VOLUMES**  
 2" = 0.16 gal/lin ft.  
 4" = 0.67 gal/lin ft.  
 6" = 1.47 gal/lin ft.

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
1.5	0825					24.5	7.77	cloudy, brown
<del>4.5</del>	<del>0832</del>	X	X	X		<del>24.2</del>	<del>7.73</del>	<del>clear</del>
4.5	0832	X	X	X		24.3	7.72	
6	0837	X	X	X		24.3	7.74	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 6 Gallons  
 Depth to Water at Sample Collection: \_\_\_\_\_  
 Sample Collection Time: 0839  
 Purged Dry (Y/N): N

Comments: Need gate key for gate 11

GARMIN COORDINATES, W 115.00488 N 36.04498 WGS 84



**Groundwater Sampling Data Sheet**

Well I.D. M-124 Date: 5-22-09  
 Sampler's Name: Davis / Qualls  
 Purging Equipment: Grundfos  
 Client: TRONOX Project No.: 20092844 V1

Casing Type: PVC  
 Casing Diameter: 2 inch  
 Total Well Depth: 52.4 feet  
 Depth to Water: - 36.8 feet  
 Water Column Thickness: = 15.6 feet  
 Unit Casing Volume: x 0.16 gallon / foot  
 Casing Water Volume: x 2.49 gallons  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 7.5 gallons

**UNIT CASING VOLUMES**  
 2" = 0.16 gal/lin ft.  
 4" = 0.67 gal/lin ft.  
 6" = 1.47 gal/lin ft.

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
0.5	0900					25.9	7.75	slightly cloudy
1.5	0905	X	X	X		25.8	7.74	clear
2.5	0910	X	X	X		25.7	7.4	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 Gallons  
 Depth to Water at Sample Collection: \_\_\_\_\_  
 Sample Collection Time: 0911  
 Purged Dry (Y/N): N

Comments:  
balmin survey well 5.00513° N 36.04424 W 6584



**Groundwater Sampling Data Sheet**

Well I.D. M-123 Date: 5-22-09  
 Sampler's Name: DAVIS / Qualls  
 Purging Equipment: GRUNDFOS  
 Client: TRONOX Project No.: 20092844V1

Casing Type: PVC **UNIT CASING VOLUMES**  
 Casing Diameter: 2 inch 2" = 0.16 gal/lin ft.  
 Total Well Depth: 54.3 feet 4" = 0.67 gal/lin ft.  
 Depth to Water: 41.8 feet 6" = 1.47 gal/lin ft.  
 Water Column Thickness: = 12.5 feet  
 Unit Casing Volume: x 0.16 gallon / foot  
 Casing Water Volume: x 2 gallons  
 Casing Volume: x 3 each  
 Estimated Purge Volume: = 6 gallons

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
1.5	0935					26.9	7.37	Cloudy, brown
2.0	0940	X	X	X		27.0	7.37	Partly cloudy, brown
3	0945	X	X	X		26.4	7.36	clear.
4	0950	X	X	X		26.4	7.35	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 4 Gallons  
 Depth to Water at Sample Collection: \_\_\_\_\_  
 Sample Collection Time: 0951  
 Purged Dry (Y/N): N

Comments: \_\_\_\_\_  
GARMIN Survey = W 115.00710° N 36.04476° W 65 84

