



FIELD ACTIVITY REPORT

Report Number/Date:

S-29-09

Project Name: TRONOX ANNUAL

Project Number: 200925441

Report By: DAVIS

Personnel: DAVIS / Qualls

Location: VARIOUS

Equipment: Dedicated bladder pump.

Client:

Weather: Poss. Ice. Cloudy, Thunder Storm

0600 - At GES LOAN TRUCK

0715 - At TR-2, Hook up new fittings.

0802 Collect sample at TR-2

0900 Take keys to others crew to unlock well, Put cap on TR-12

0952 - collect sample at ~~TR-2~~ TR-5

1017 collect samples TR-6

1052 Collect samples TR-7

1117 collect samples at TR-8

1318 collect samples at TR-9

Cannot reach fitting on TR-10
Out of packaging ice - too much melt
Take samples to Tronox for shipment.

Printed Name/Signature:



Groundwater Sampling Data Sheet

Well I.D. TR-9 Date: 5-29-08
 Sampler's Name: Davis / Dualls
 Purging Equipment: Dedicated Bladder
 Client: _____ Project No.: _____

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 250.50 feet
 Depth to Water: - 41.85 feet
 Water Column Thickness: = 208.65 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 1.40 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 470 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
<u>1</u>	<u>1305</u>					<u>27.8</u>	<u>8.06</u>	<u>Clear</u>
<u>1.5</u>	<u>1310</u>	X	X	X		<u>26.9</u>	<u>8.08</u>	
<u>2.0</u>	<u>1315</u>	X	X	X		<u>26.8</u>	<u>8.08</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2 Gallons
 Depth to Water at Sample Collection: _____
 Sample Collection Time: 1318
 Purged Dry (Y/N): N

Comments: Settings = 75 psi
19 sec. exhaust time
15 sec. charge time



Groundwater Sampling Data Sheet

Well I.D. TR-2 Date: 5-29-09
 Sampler's Name: Davis / Walls
 Purging Equipment: Dedicated Bladder
 Client: Tronox Project No.: 2009 2544V1

Casing Type: PVC **UNIT CASING VOLUMES**
 Casing Diameter: 4 Inch 2" = 0.16 gal/lin ft.
 Total Well Depth: 98 feet 4" = 0.67 gal/lin ft.
 Depth to Water: 50.85 feet 6" = 1.47 gal/lin ft.
 Water Column Thickness: = 47.15 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 31.59 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 95 gallons

Purged (gallons)	Time	DO	Redox	Fe	Conductance (u mhos / x1000)	Temperature (Celcius)	pH	Observations
<u>1</u>	<u>1105</u>					<u>26.0</u>	<u>7.93</u>	<u>clear</u>
<u>1.5</u>	<u>1110</u>	X	X	X		<u>26.5</u>	<u>7.98</u>	
<u>2.0</u>	<u>1115</u>	X	X	X		<u>26.7</u>	<u>7.96</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2 Gallons
 Depth to Water at Sample Collection: _____
 Sample Collection Time: 1117
 Purged Dry (Y/N): N

Comments: Settings ~~40 psi~~ 50 psi
20 ~~15~~ sec exhaust time
10 ~~15~~ sec charge time.



Groundwater Sampling Data Sheet

Well I.D. TR-7 Date: 5-29-08
 Sampler's Name: Davis / Qualls
 Purging Equipment: Dedicated bladder
 Client: TRONOX Project No.: 2008 2544 V1

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 292 feet
 Depth to Water: - 16 feet
 Water Column Thickness: = 276 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 185 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 554 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
<u>1</u>	<u>1040</u>					<u>26.7</u>	<u>7.97</u>	<u>Clear</u>
<u>1.5</u>	<u>1045</u>	X	X	X		<u>25.8</u>	<u>7.97</u>	
<u>2.0</u>	<u>1050</u>	X	X	X		<u>25.7</u>	<u>7.94</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2 Gallons
 Depth to Water at Sample Collection: _____
 Sample Collection Time: 1052
 Purged Dry (Y/N): N

Comments: Setpts = 80 psi
20 sec exhaust time
16 sec charge time



Groundwater Sampling Data Sheet

Well I.D. TR-6 Date: 5-29-09
 Sampler's Name: JAVIS / Qualls
 Purging Equipment: Dedicated bladder pump
 Client: TRONOX Project No.: 20092544V1

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 80.50 feet
 Depth to Water: - 37.63 feet
 Water Column Thickness: = 42.87 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 29 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 87 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
<u>0.5</u>	<u>1005</u>					<u>26.6</u>	<u>7.24</u>	<u>Clear.</u>
<u>1.0</u>	<u>1010</u>	X	X	X		<u>26.1</u>	<u>7.26</u>	
<u>1.5</u>	<u>1015</u>	X	X	X		<u>25.9</u>	<u>7.29</u>	
		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: 1017
 Purged Dry (Y/N): N

Comments: Settings - 40 psi
20 sec Exhaust time
15 sec Charge time.



Groundwater Sampling Data Sheet

Well I.D. TR-5 Date: 5-29-09
 Sampler's Name: Davis/Walks
 Purging Equipment: Dedicated bladder
 Client: TROMX Project No.: 2009252544V1

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 251.5 feet
 Depth to Water: + 2.4' feet ()
 Water Column Thickness: = 253.9 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 170 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 510 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
<u>1</u>	<u>0935</u>					<u>25.9</u>	<u>8.09</u>	<u>Clear.</u>
<u>1.5</u>	<u>0940</u>	X	X	X		<u>25.9</u>	<u>8.12</u>	
<u>2.0</u>	<u>0945</u>	X	X	X		<u>25.9</u>	<u>8.10</u>	
<u>2.5</u>	<u>0950</u>	X	X	X		<u>26.1</u> 25.8	<u>8.11</u>	
		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: 0952
 Purged Dry (Y/N): N

Comments: Artesian, barely flowing over top of casing.
Pump at 110 psi
exhaust time 10 sec
Charge time: 15 sec.



Groundwater Sampling Data Sheet

Well I.D. TR-2 Date: 5-29-09
 Sampler's Name: DAGGS / Qualls
 Purging Equipment: Dedicated bladder pump
 Client: TIZONEX Project No.: _____

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 180 feet
 Depth to Water: - 27.43 feet
 Water Column Thickness: = 152.57 feet
 Unit Casing Volume: x 0.67 gallon / foot
 Casing Water Volume: x 1.02 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 307 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
1/2 gal	7:35					26.1c	7.81 7.81	clear
1 gal	7:40	X	X	X		25.6c	8.22	8.22
1.5	7:45	X	X	X		25.6c	8.14	
2 gal	7:55	X	X	X		25.5c	8.18	
2 1/2	8:00	X	X	X		25.5c	8.18	
		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: 8:02
 Purged Dry (Y/N): N

Comments: Settings 85 psi
Exhaust time 18 sec
Charge time 15 sec.

