



92  
Well ID: PC91

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1030 am/pm  
Project No: 04020-023-115 Finish 1105 am/pm  
Site Location: Henderson, NV  
Weather Conds: Hot, mild breeze ~ 90°F Collector(s): B. Ho, E. Nelson, Z. Diem

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 21.39 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
b. Water Table Depth 9.52 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_  
b. Acceptance Criteria defined (see workplan)  
- Temperature 5% -D.O. 10%  
- pH ± 1.0 unit - ORP ± 10mV  
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1054		24.38	7.26	8450	8.04	140				CLOUDY BROWN NO ODOR

d. Acceptance criteria pass/fail  
Has required volume been removed  Yes  No  N/A  
Has required turbidity been reached  Yes  No  N/A  
Have parameters stabilized  Yes  No  N/A  
If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PC91 ↓	125 mL poly	1	None	Perchlorate	1045 ↓
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



PC91  
Well ID: PC9Z

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 10:30 am/pm  
Project No: 04020-023-115 Finish 10:45 am/pm  
Site Location: Henderson, NV  
Weather Conds: Hot, slight breeze ~ 92°F Collector(s): B. Ho, E. Nelson, Z. Diernia

1. WATER LEVEL DATA: (measured from Top of Casing)  
a. Total Well Length 37.25 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
b. Water Table Depth 9.07 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
a. Purge Method: \_\_\_\_\_  
b. Acceptance Criteria defined (see workplan)  
- Temperature 5% -D.O. 10%  
- pH ± 1.0 unit - ORP ± 10mV  
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
Has required volume been removed  Yes  No  N/A  
Has required turbidity been reached  Yes  No  N/A  
Have parameters stabilized  Yes  No  N/A  
If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC89

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1110 am/pm  
 Project No: 04020-023-115 Finish 1128 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy ~95°F Collector(s): B. Ho, E. Nelson & Z. Diemier

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length \_\_\_\_\_ c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth \_\_\_\_\_ d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

- b. Acceptance Criteria defined (see workplan)
- Temperature 5% -D.O. 10%
  - pH ± 1.0 unit - ORP ± 10mV
  - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used:

Make	Model	Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail

Has required volume been removed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

(continued on back)

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<del>PC89</del>	125 mL poly	1	None	Perchlorate	<del>1130</del>
<del>PC89</del>	125 mL poly	1	None	TDS	<del>1130</del>
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC89	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	1130

well filled w/ sand w/ two feet of casing, couldn't gauge or sample

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Signature \_\_\_\_\_ Date 4-30-07



Well ID: PC88

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1110 am/pm  
 Project No: 04020-023-115 Finish 1133 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot, breezy, 29.50 F Collector(s): B. Ho, E. Nelson, Z. Diemer

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 47.48 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material \_\_\_\_\_  
 b. Water Table Depth 6.35 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

- b. Acceptance Criteria defined (see workplan)
- Temperature 5% -D.O. 10%
  - pH ± 1.0 unit - ORP ± 10mV
  - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used:

Make	Model	Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

(continued on back)

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

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Signature [Signature] Date 4-30-07



Well ID: PC90

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1110 am/pm  
 Project No: 04020-023-115 Finish 1125 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot breezy, ~95°F Collector(s): B. Ho, Z Diemer, E Nelson

1. **WATER LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 13.43 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 6.18 d. Calculated System Volume (see back) \_\_\_\_\_

2. **WELL PURGE DATA**  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below. \_\_\_\_\_

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. **SAMPLE COLLECTION:** Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC77

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30 Time: Start 1240 am/pm  
 Project No: 04020-023-115 Finish 1300 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy ~ 95°F Collector(s): B. Ho, Z Diemer, E Nelson

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 39.08 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 7.28 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

#### b. Acceptance Criteria defined (see workplan)

- Temperature 5% -D.O. 10%
- pH ± 1.0 unit - ORP ± 10mV
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used:

Make	Model	Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
<u>1254</u>		<u>26.88</u>	<u>8.30</u>	<u>6340</u>	<u>3.11</u>	<u>1.5</u>				<u>CLOUDY GREY NO ODOR</u>

d. Acceptance criteria pass/fail

Has required volume been removed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

(continued on back)

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC77</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1250</u>
<u>PC77</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1250</u>
	<u>60 mL poly</u>	<u>1</u>	<u>EDA</u>	<u>Chlorate</u>	
	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Nitrate</u>	
<u>PC77</u>	<u>125 mL poly</u>	<u>1</u>	<u>HNO<sub>3</sub></u>	<u>Total Chromium</u>	<u>1250</u>

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC78

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1240 am/pm  
 Project No: 04020-023-115 Finish 1250 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy ~95°F Collector(s): B. H. E. Nelson, Z. Diemer

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 22.09 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 6.74 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

Signature [Signature] Date 4-30-07



Well ID: PC74

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1301 am/pm  
 Project No: 04020-023-115 Finish 1330 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy, ~95°F Collector(s): B. Ho, E. Nelson, Z. Diernier

1. WELL LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 49.75 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 13.56 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
<u>1025</u>		<u>25.92</u>	<u>7.87</u>	<u>2942</u>	<u>6.96</u>	<u>52.9</u>				<u>CLOUDY BROWN NO ODOR</u>

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC74</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1310</u>
<u>PC74</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1310</u>
	<u>60 mL poly</u>	<u>1</u>	<u>EDA</u>	<u>Chlorate</u>	
	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Nitrate</u>	
	<u>125 mL poly</u>	<u>1</u>	<u>HNO<sub>3</sub></u>	<u>Total Chromium</u>	

Signature [Signature] Date 4-30-07



Well ID: PC76

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1301 am/pm  
 Project No: 04020-023-115 Finish 1310 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy, ~95°F Collector(s): Britta, & Diermin, E Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 22.29 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 13.51 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below. \_\_\_\_\_

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC82

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1400 am/pm  
 Project No: 04020-023-115 Finish 1420 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy, ~96°F Collector(s): B. DeMicco, E. Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 58.33 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 7.05 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used:

Make	Model	Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1419		25.33	7.32	3799	2.48	178.7				CLEAR NO ODOR

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PC82	125 mL poly	1	None	Perchlorate	1415
PC82	125 mL poly	1	None	TDS	1415
PC82	60 mL poly	1	EDA	Chlorate	1415
PC82	125 mL poly	1	None	Nitrate	1415
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC83

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1400 am/pm  
 Project No: 04020-023-115 Finish 1422 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy ~96°F Collector(s): B. Ho, E Nelson, Z Diemir

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 31.81 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material \_\_\_\_\_  
 b. Water Table Depth 0.57 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

#### b. Acceptance Criteria defined (see workplan)

- Temperature 5% -D.O. 10%
- pH ± 1.0 unit - ORP ± 10mV
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

(continued on back)

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

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Signature [Signature] Date 4-30-07



Well ID: PC79

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1425 am/pm  
 Project No: 04020-023-115 Finish \_\_\_\_\_ am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy ~96°F Collector(s): B. Ho, Z Diermier, E Nelson

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 44.65 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 8.82 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

- b. Acceptance Criteria defined (see workplan)
- Temperature 5% -D.O. 10%
  - pH ± 1.0 unit - ORP ± 10mV
  - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used:

Make	Model	Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1442		24.63	7.24	3116	2.81	115.9				CLOUDY BROWN NO ODSR

d. Acceptance criteria pass/fail

Has required volume been removed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PC79	125 mL poly	1	None	Perchlorate	1440
PC79	125 mL poly	1	None	TDS	1440
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC79	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	1440

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC80

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1435 am/pm  
 Project No: 04020-023-115 Finish 1437 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy, ~96°F Collector(s): B.H.

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 28.80 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 8.99 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

#### b. Acceptance Criteria defined (see workplan)

- Temperature 5% -D.O. 10%
- pH ± 1.0 unit - ORP ± 10mV
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail

Has required volume been removed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

Signature [Signature] Date 4-30-07



Well ID: PC81

# Low Flow Ground Water Sample Collection Record

Client: Troxox Date: 4-30-07 Time: Start 1438 am/pm  
 Project No: 04020-023-115 Finish 1448 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy, ~96°F Collector(s): B.Ho

**1. WATER LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 14.98 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 8.83 d. Calculated System Volume (see back) \_\_\_\_\_

**2. WELL PURGE DATA**  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below. \_\_\_\_\_

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

**3. SAMPLE COLLECTION: Method: \_\_\_\_\_**

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC4

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1532 am/pm  
 Project No: 04020-023-115 Finish 1550 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot, breezy 102°F Collector(s): B. Ho, Z. Diermier, E. Nelson

1. **WATER LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 43.42 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2"  
 b. Water Table Depth 26.14 d. Calculated System Volume (see back) \_\_\_\_\_

2. **WELL PURGE DATA**  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1547		26.40	7.72	7638	4.94	32.8				Brown NO ODOR

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below. \_\_\_\_\_

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. **SAMPLE COLLECTION:** Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC4</u>	125 mL poly	1	None	Perchlorate	<u>1545</u>
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



# MWH Laboratories

MONTGOMERY WATSON HARZA

# CHAIN OF CUSTODY RECORD

MWH LABS USE ONLY:

750 Royal Oaks, Suite 100  
 Monrovia, California 91016  
 Phone: (626) 386-1100  
 (800) 566-5227  
 Fax: (626) 386-1101

LOGIN COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

SAMPLES CHECKED AGAINST COC BY: \_\_\_\_\_

SAMPLES LOGGED IN BY: \_\_\_\_\_

SAMPLE TEMP WHEN REC'D AT LAB: \_\_\_\_\_ (Compliance: 4 +/- 2°C)

SAMPLES REC'D DAY OF COLLECTION  (check for yes)

CONDITION OF BLUE ICE: FROZEN  PARTIALLY FROZEN  THAWED

(check for yes) (check for yes)

TO BE COMPLETED BY SAMPLER:

COMPANY, UTILITY or PROJECT: <i>Troxox (Kerr-McGee)</i>	SYSTEM #:	COMPLIANCE SAMPLES - Requires state forms <input type="checkbox"/>	NON-COMPLIANCE SAMPLES REGULATION INVOLVED: <input type="checkbox"/>
MWH LABS CLIENT CODE: <i>Kerr-McGee - NV</i>	P.O. # / JOB # / PROJECT: <i>CLO4</i>	Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION	(eg SDWA, Phase V, NPDES, FDA, ...)
SAMPLER PRINTED NAME AND SIGNATURE: <i>Brian Ho</i>	TAT requested: rush by adv notice only STD <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input type="checkbox"/> 1 day	<b>SEE ATTACHED BOTTLE ORDER FOR ANALYSES</b> <input type="checkbox"/> (check for yes), <u>OR</u> LIST ANALYSES REQUIRED BELOW (enter number of bottles sent for each test for each sample)	

SAMPLE DATE	SAMPLE TIME	SITE NAME OR SAMPLE I.D.	STATION # or LOCATION	MATRIX #	GRAB	COMP	ANALYSES					SAMPLER COMMENTS	
							C104	TDS	CR6010	CLO37056	NO39056		
4/30/07	09:10	HMW9		RGW	X		X	X					Short Hold Time on Nitrate Samples.
4/30/07	10:10	PC93		RGW	X		X	X	X	X			
4/30/07	10:45	PC91		RGW	X		X	X	X	X			
4/30/07	12:50	PC77		RGW	X		X	X					
4/30/07	13:10	PC74		RGW	X		X	X					
4-30-07	13:50	PC96		RGW	X		X	X					
4-30-07	14:15	PC82		RGW	X		X	X	X	X			
4-30-07	14:40	PC79		RGW	X		X	X	X	X			
4-30-07	15:15	PC86		RGW	X		X	X	X	X			
4-30-07	15:45	PC4		RGW	X		X	X	X	X			

\* MATRIX TYPES: RSW = Raw Surface Water    CFW = Chlor(am)inated Finished Water    CWW = Chlorinated Waste Water    BW = Bottled Water    SO = Soil  
 RGW = Raw Ground Water    FW = Other Finished Water    WW = Other Waste Water    SW = Storm Water    SL = Sludge

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<i>Brian Ho</i>	<i>Brian Ho</i>	<i>ENSR / Geologist</i>	<i>4-30-07</i>	<i>16:15</i>
RELINQUISHED BY:				
RECEIVED BY:				
RELINQUISHED BY:				
RECEIVED BY:				
RELINQUISHED BY:				
RECEIVED BY:				

C.O.C# *043007-1*





Well ID: PC86

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1455 am/pm  
 Project No: 04020-023-115 Finish 1516 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: blistering 105°F, Hot, breezy Collector(s): B. Ho, Z Diemier, E Nelson

### 1. WELL LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 26.56 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 5.12 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used: Make Model Serial Number


Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1515		25.62	7.42	3727	2.68	95.1				Cloudy NO O2OR

d. Acceptance criteria pass/fail

	Yes	No	N/A	(continued on back)
Has required volume been removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC86</u>	125 mL poly	1	None	Perchlorate	<u>1515</u>
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PC87

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1506 am/pm  
 Project No: 04020-023-115 Finish 1509 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot, ~105°F Collector(s): B. Ho, Z. Diemier, E. Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 13.00 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 5.56 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	
	125 mL poly	1	None	TDS	
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

Signature [Signature] Date 4-30-07



Well ID: PC96

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 1335 am/pm  
 Project No: 04020-023-115 Finish 1355 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, breezy Collector(s): B. Ho, E Nelson, Z Diermir

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 39.40 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 6.31 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

b. Acceptance Criteria defined (see workplan)

- Temperature 5% -D.O. 10%
- pH ± 1.0 unit - ORP ± 10mV
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used: \_\_\_\_\_  
 Make YSI Model 650 MDS Serial Number 02F0869AB

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
<u>1348</u>		<u>23.43</u>	<u>7.46</u>	<u>3234</u>	<u>2.68</u>	<u>62.9</u>				<u>CLOUDY, GREY NO ODOR</u>

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has required turbidity been reached	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have parameters stabilized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no or N/A - Explain below.

(continued on back)

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC96</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1350</u>
<u>PC96</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1350</u>
	<u>60 mL poly</u>	<u>1</u>	<u>EDA</u>	<u>Chlorate</u>	
	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Nitrate</u>	
	<u>125 mL poly</u>	<u>1</u>	<u>HNO<sub>3</sub></u>	<u>Total Chromium</u>	

(continued on back)

Signature [Signature] Date 4-30-06



Well ID: HMW9

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 0910 am/pm  
 Project No: 04020-023-115 Finish 0942 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: hot, sunny ~90°F Collector(s): B. Ho, E. Nelson, Z. Diernier

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 46.14 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" / PVC  
 b. Water Table Depth 12.38 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_

b. Acceptance Criteria defined (see workplan)

- Temperature 5% -D.O. 10%
- pH ± 1.0 unit - ORP ± 10mV
- Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)

c. Field Testing Equipment used: Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
0936		25.03	7.56	3772	1.59	176.0				slightly cloudy no odor

d. Acceptance criteria pass/fail Yes No N/A (continued on back)

Has required volume been removed

Has required turbidity been reached

Have parameters stabilized

If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>Hmw9</u>	125 mL poly	1	None	Perchlorate	0940
<u>Hmw9</u>	125 mL poly	1	None	TDS	0940
	60 mL poly	1	EDA	Chlorate	<del>0940</del>
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: ~~PC93~~

PC93

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 0950 am/pm  
 Project No: 04020-023-115 Finish 1025 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot ~92°F Collector(s): B. Ho, E. Nelson, Z. Diermin

### 1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 37.67 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 8.42 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1019		26.22	7.50	1350	5.53	121.0				CLOUDY/Grey no odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

### 3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PC93	125 mL poly	1	None	Perchlorate	1010
↓	125 mL poly	1	None	TDS	↓
↓	60 mL poly	1	EDA	Chlorate	↓
↓	125 mL poly	1	None	Nitrate	↓
↓	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	↓

(continued on back)

Signature [Signature] Date 4-30-07



Well ID: PL94  
~~PL94~~

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 4-30-07 Time: Start 0950 am/pm  
 Project No: 04020-023-115 Finish 1008 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Hot ~92°F Collector(s): B. Ho, Z Diermire, E. Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 19.41 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 9.22 d. Calculated System Volume (see back) \_\_\_\_\_

2. WELL PURGE DATA  
 a. Purge Method: \_\_\_\_\_  
 b. Acceptance Criteria defined (see workplan)  
 - Temperature 5% -D.O. 10%  
 - pH ± 1.0 unit - ORP ± 10mV  
 - Sp. Cond. 5% - Drawdown < 0.3' (3.6-inches)  
 c. Field Testing Equipment used: Make Model Serial Number

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor

d. Acceptance criteria pass/fail  
 Has required volume been removed  Yes  No  N/A  
 Has required turbidity been reached  Yes  No  N/A  
 Have parameters stabilized  Yes  No  N/A  
 If no or N/A - Explain below.

e. Control box setting: \_\_\_\_\_ cpm \_\_\_\_\_ psi

3. SAMPLE COLLECTION: Method: \_\_\_\_\_

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	125 mL poly	1	None	Perchlorate	<u>1000</u>
	125 mL poly	1	None	TDS	<u>1000</u>
	60 mL poly	1	EDA	Chlorate	<u>1000</u>
	125 mL poly	1	None	Nitrate	<u>1000</u>
	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	<u>1000</u>

Signature [Signature] Date 4-30-07

(continued on back)