



Well ID: PC40

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0705 am/pm  
 Project No: 04020-023-115 Finish 0725 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: windy, cool ~65°F Collector(s): E Nelson, Z Diermier

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

a. Total Well Length 57.41 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 22.67 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
0722		23.86	7.27	162.5	1.55	119.1				cloudy brown 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.

(continued on back)

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

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

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PC40	125 mL poly	1	None	Perchlorate	0715
PC40	125 mL poly	1	None	TDS	0715
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC40	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	0715

(continued on back)

Signature [Signature] Date 5-3-07



Well ID: H48

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0730 am/pm  
 Project No: 04020-023-115 Finish 0757 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: windy, cool ~ 65°F Collector(s): E Nelson, Z Diermier

1. **WELL LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 39.29 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 4.5" steel casing  
 b. Water Table Depth 24.43 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
0753		33.38	6.15	21,983	2.47	-75.7				CLOUDY 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>H48</u>	125 mL poly	1	None	Perchlorate	0750
<u>H48</u>	125 mL poly	1	None	TDS	0750
	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 5-3-07



Well ID: PC73

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0810 am/pm  
 Project No: 04020-023-115 Finish 0825 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: cool, windy ~ 65°F Collector(s): B. H., E Nelson, Z Diernir

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

a. Total Well Length 46.09 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 29.78 d. Calculated System Volume (see back) \_\_\_\_\_ Dedicated bailer

### 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
0824		23.40	6.27	8676	2.99	-38.1				CLOUDY 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.

(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>PC73</u>	125 mL poly	1	None	Perchlorate	<u>0825</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 5-3-07



Well ID: M65

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0830 am/pm  
 Project No: 04020-023-115 Finish 0845 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: windy, cool ~65°F Collector(s): Bill, E Nelson, Z Diermire

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

a. Total Well Length 41.78 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 32.73 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
0843		24.25	6.60	1455	3.16	-5.1				CLOUDY NO ODOR

d. Acceptance criteria pass/fail (continued on back)

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
<u>M65</u>	125 mL poly	1	None	Perchlorate	<u>0845</u>
<u>M65</u>	125 mL poly	1	None	TDS	<u>0845</u>
	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 5-3-07



Well ID: MC93

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0910 am/pm  
 Project No: 04020-023-115 Finish 0930 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, windy ~70°F Collector(s): B. Ho, Z Diemier, E Nelson

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

a. Total Well Length 42.61 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 30.44 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
0925		23.72	6.89	9882	2.61	71.6				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.

(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>MC93</u>	125 mL poly	1	None	Perchlorate	
<u>MC93</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 5-3-07



Well ID: MC97

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0935 am/pm  
 Project No: 04020-023-115 Finish 0950 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: windy, warm ~70°F Collector(s): B. Ho, Z Diernier, E Nelson

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

a. Total Well Length 42.22 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 33.67 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
0947		24.20	7.21	1313	5.15	80.8				cloudy 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.

(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>MC97</u>	125 mL poly	1	None	Perchlorate	<u>0945</u>
<u>MC97</u>	125 mL poly	1	None	TDS	<u>0945</u>
	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 5-3-07



Well ID: MK29

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 0953 am/pm  
 Project No: 04020-023-115 Finish 1005 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Warm, windy ~ 72°F Collector(s): B. Ho, Z Diermier, E Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 49.20 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 34.04 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
1002		25.18	6.99	32.727	2.67	100.7				CLEAR chemical/solvent 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
<u>MK29</u>	125 mL poly	1	None	Perchlorate	1000
<u>MK29</u>	125 mL poly	1	None	TDS	1000
	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 5-3-07

(continued on back)



Well ID: MC3

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1012 am/pm  
 Project No: 04020-023-115 Finish 1025 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Warm, breezy, ~ 80°F Collector(s): B. Ho, Z. Diernier, E. Nelson

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

a. Total Well Length 44.25 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 33.90 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
1022		26.06	7.18	33571	1.84	-33.2				CLOUDY BEEF JERKY 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>MC3</u>	125 mL poly	1	None	Perchlorate	<u>1020</u>
<u>MC3</u>	125 mL poly	1	None	TDS	<u>1020</u>
	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 5-3-07



Well ID: MC7

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1030 am/pm  
 Project No: 04020-023-115 Finish 1042 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, breezy ~75°F Collector(s): B. Ho, E Nelson, Z Diernia

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 40.67 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 26.59 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
1037		25.27	7.21	222.87	2.76	-33.5				cloudy grey strong 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>MC7</u>	125 mL poly	1	None	Perchlorate	1040
<u>MC7</u>	125 mL poly	1	None	TDS	1040
	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 5-3-07



Well ID: MC82

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start \_\_\_\_\_ am/pm  
 Project No: 04020-023-115 Finish \_\_\_\_\_ am/pm  
 Site Location: Henderson, NV  
 Weather Conds: breezy, warm ~77°F Collector(s): B. Ho, E. Nelson, Z. Dermie

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

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
<u>MC82</u>	125 mL poly	1	None	Perchlorate	
<u>MC82</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	

Signature: Z. Dermie Date: 5-3-07



Well ID: mcl6

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1105 am/pm  
 Project No: 04020-023-115 Finish 1122 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, breezy ~ 80°F Collector(s): B. Ho, Z. Dermier, E. Nelson

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

a. Total Well Length 39.24 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 24.28 d. Calculated System Volume (see back) \_\_\_\_\_

### 2. WELL PURGE DATA

a. Purge Method: \_\_\_\_\_ *might have new TOC elevation, 2.9 ft above GS.*  
 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
1118		<del>26.37</del> 26.37	7.22	15443	1.80	47.8				cloudy slight green

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>mcl6</u>	125 mL poly	1	None	Perchlorate	1115
<u>mcl6</u>	125 mL poly	1	None	TDS	1115
	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 5-3-07



Well ID: MCS1

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1125 am/pm  
 Project No: 04020-023-115 Finish \_\_\_\_\_ am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, breezy ~ 80°F Collector(s): B. Ho, Z Diermier, E Nelson

1. **WATER LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 45.96 c. Length of Water Column 28.49 (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 28.49 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
1135		25.50	7.48	15107	5.39	36.4				CLOUDY 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
MCS1	125 mL poly	1	None	Perchlorate	1140
MCS1	125 mL poly	1	None	TDS	1140
	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 5-3-07



Well ID: MC50

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1143 am/pm  
 Project No: 04020-023-115 Finish 1200 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, breezy ~86°F Collector(s): B.H., E. Nelson, Z. Diemier

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

a. Total Well Length 50.28 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 27.55 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
1157	—	26.22	7.23	15096	1.54	46.3				clear slight chemical odor

d. Acceptance criteria pass/fail

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>MC50</u>	125 mL poly	1	None	Perchlorate	1155
<u>MC50</u>	125 mL poly	1	None	TDS	1155
	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 5/3/07



Well ID: MC69

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1345 am/pm  
 Project No: 04020-023-115 Finish 1357 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: \_\_\_\_\_ Collector(s): B.Hb, Z. Diermin, E. Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 44.88 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 29.70 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
1352		27.95	7.91	17460	3.45	-21.3				Clear solvent 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>MC69</u>	125 mL poly	1	None	Perchlorate	1400
<u>MC69</u>	125 mL poly	1	None	TDS	1400
	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 5-3-07

(continued on back)



Well ID: MC53

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1405 am/pm  
 Project No: 04020-023-115 Finish 1420 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm Collector(s): Z Diermier, B. Ho, E Nelson

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

a. Total Well Length 40.99 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 29.04 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>1415</u>		<u>26.71</u>	<u>7.34</u>	<u>15581</u>	<u>1.87</u>	<u>21.3</u>				<u>CLEAR NO ODOR</u>

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>MC53</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1415</u>
<u>MC53</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1415</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>MC53</u>	<u>125 mL poly</u>	<u>1</u>	<u>HNO<sub>3</sub></u>	<u>Total Chromium</u>	<u>1415</u>

(continued on back)

Signature [Signature] Date 5-3-07



Well ID: H11

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1437 am/pm  
 Project No: 04020-023-115 Finish \_\_\_\_\_ am/pm  
 Site Location: Henderson, NV  
 Weather Conds: warm, breezy ~85°F Collector(s): E Nelson, B. Ho, Z Diemer

1. **WELL LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 109.0 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 6" steel  
 b. Water Table Depth 76.58 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
1451		28.29	7.32	1424	1.67	-132.3				CLEAR 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
#11	125 mL poly	1	None	Perchlorate	1445
#11	125 mL poly	1	None	TDS	1445
	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 5-3-07



Well ID: M29

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1512 am/pm  
 Project No: 04020-023-115 Finish 1535 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: underneath unit 6, hot, scary Collector(s): BIT, E Nelson, Z Diernier

**1. WATER LEVEL DATA: (measured from Top of Casing)**  
 a. Total Well Length 41.50 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material 2" PVC  
 b. Water Table Depth 34.07 d. Calculated System Volume (see back) \_\_\_\_\_  
*Dedicated bailer*

**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
		27.80	6.66	4416	3.18	73.1				CLOUDY 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>M29</u>	125 mL poly	1	None	Perchlorate	<u>1530</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 5-3-07



Well ID: M61

# Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-3-07 Time: Start 1540 am/pm  
 Project No: 04020-023-115 Finish 1555 am/pm  
 Site Location: Henderson, NV  
 Weather Conds: Warm, breezy ~ 85°F Collector(s): B. Ho, Z Diermier, E Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)  
 a. Total Well Length 42.06 c. Length of Water Column \_\_\_\_\_ (a-b) Casing Diameter/Material Dedicated bailer  
 b. Water Table Depth 24.00 d. Calculated System Volume (see back) \_\_\_\_\_ 2" PVC

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
1554		25.40	6.95	1655	1.55	101.0				CLEAR 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>M61</u>	125 mL poly	1	None	Perchlorate	1550
<u>M61</u>	125 mL poly	1	None	TDS	1550
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
<u>M61</u>	125 mL poly	1	HNO <sub>3</sub>	Total Chromium	1550

(continued on back)

Signature [Signature] Date 5-3-07



