



Well ID: m34

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 0705 am/pm
 Project No: 04020-023-115 Finish 0735 am/pm
 Site Location: Henderson, NV
 Weather Conds: breezy, warm ~ 80°F Collector(s): B. Ho, E. Nelson, Z Diermier

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

a. Total Well Length 37.73 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 37.52 d. Calculated System Volume (see back) _____ used dedicated bailer to collect sample
 (42.81 TD w/o bailer)
 (37.49 DTW w/o 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
0731		23.46	7.47	10496	3.54	80.6				yellow 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>m34</u>	125 mL poly	1	None	Perchlorate	<u>0730</u>
<u>m34</u>	125 mL poly	1	None	TDS	<u>0730</u>
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
<u>m34</u>	125 mL poly	1	HNO ₃	Total Chromium	<u>0730</u>

(continued on back)

Signature Zoe Date 5-2-07



Well ID: M35

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 0735 am/pm
 Project No: 04020-023-115 Finish _____ am/pm
 Site Location: Henderson, NV
 Weather Conds: Sunny, partly cloudy ~80°F Collector(s): E. Nelson, Z. Diermie

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

a. Total Well Length 43.19 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 35.52 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
0744		25.73	7.22	7213	26.8	104.8				light yellow no 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>M35</u>	125 mL poly	1	None	Perchlorate	<u>0745</u>
<u>M35</u>	125 mL poly	1	None	TDS	<u>0745</u>
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
<u>M35</u>	125 mL poly	1	HNO ₃	Total Chromium	<u>0745</u>

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC64

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 0930 am/pm
 Project No: 04020-023-115 Finish 0945 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, sunny ~90°F Collector(s): B. Ho, Z Diezner, E Nelson

1. WELL LEVEL DATA: (measured from Top of Casing)
 a. Total Well Length 18.30 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 6.95 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
0940		24.68	7.45	9448	1.61	71.5				slightly 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
PC64	125 mL poly	1	None	Perchlorate	0945
PC64	125 mL poly	1	None	TDS	0945
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC64	125 mL poly	1	HNO ₃	Total Chromium	0945

Signature: [Signature] Date: 5-2-07

(continued on back)



Well ID: PC31

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 0950 am/pm
 Project No: 04020-023-115 Finish 1013 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot Collector(s): B. Ho, E. Nelson, Z. Diernic

1. **WELL LEVEL DATA: (measured from Top of Casing)**
 a. Total Well Length 46.75 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 10.90 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
1009		28.52	7.31	8109	2.16	71.4				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
PC31	125 mL poly	1	None	Perchlorate	1000
PC31	125 mL poly	1	None	TDS	1000
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC31	125 mL poly	1	HNO ₃	Total Chromium	1000

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC28

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1015 am/pm
 Project No: 04020-023-115 Finish 1032 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, breezy ~ 90°F Collector(s): B. Ho, E Diermie, E Nelson

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

a. Total Well Length 19.77 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 11.72 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
10		25.55	7.37	7259	3.94	102.3				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
PC28	125 mL poly	1	None	Perchlorate	1025
PC28	125 mL poly	1	None	TDS	1025
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC28	125 mL poly	1	HNO ₃	Total Chromium	1025

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC112

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1050 am/pm
 Project No: 04020-023-115 Finish 1115 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, breezy, ~90°F Collector(s): B. Ho, E. Nelson, Z. Dierni

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

re visited well, used PVC to push roots aside to get sample

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
1109		83.30	7.27	2691	0.82	-77.6				Brown NO 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
PC112	125 mL poly	1	None	Perchlorate	1115
PC112	125 mL poly	1	None	TDS	1115
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO ₃	Total Chromium	

(continued on back)

Signature: [Signature] Date: 5-2-07



Well ID: PC110

re-visit

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1120 am/pm
 Project No: 04020-023-115 Finish 1140 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, breezy, ~ Collector(s): B. Ho, Z Diekmier, E Nelson

used 3/4" PVC to push roots aside and collect sample

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
1134		26.17	7.03	5642	3.25	97.1				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>PC110</u>	125 mL poly	1	None	Perchlorate	<u>1130</u>
<u>PC110</u>	125 mL poly	1	None	TDS	<u>1130</u>
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO ₃	Total Chromium	

(continued on back)

Signature *[Signature]* Date 5-2-07



Well ID: PC104

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1253 am/pm
 Project No: 04020-023-115 Finish 1311 am/pm
 Site Location: Henderson, NV
 Weather Conds: windy, warm ~90°F Collector(s): Bill E Nelson, Z Diemer

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

a. Total Well Length 33.34 c. Length of Water Column _____ (a-b) Casing Diameter/Material _____
 b. Water Table Depth 24.77 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>1306</u>		<u>23.39</u>	<u>7.82</u>	<u>4337</u>	<u>2.21</u>	<u>30.32</u>				<u>slightly cloudy</u>

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. _____

e. Control box setting: _____ cpm _____ psi

3. SAMPLE COLLECTION: Method: _____

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PC104</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1305</u>
<u>PC104</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1305</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>PC104</u>	<u>125 mL poly</u>	<u>1</u>	<u>HNO₃</u>	<u>Total Chromium</u>	<u>1305</u>

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: HMW13

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1316 am/pm
 Project No: 04020-023-115 Finish 1333 am/pm
 Site Location: Henderson, NV
 Weather Conds: ~93°F, windy warm Collector(s): D. Ho, Z. Diermier, E. Nelson

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

a. Total Well Length 26.65 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 15.52 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
1327		15.70	7.60	2458	3.31	9.9				cloudy grey 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
HMW14	125 mL poly	1	None	Perchlorate	1325
HMW14	125 mL poly	1	None	TDS	1328
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO ₃	Total Chromium	

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: Hmw14

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1335 am/pm
 Project No: 04020-023-115 Finish 1351 am/pm
 Site Location: Henderson, NV
 Weather Conds: windy, warm, ~90°F Collector(s): B. Ho, E Nelson, Z Diernie

1. WATER LEVEL DATA: (measured from Top of Casing)
 a. Total Well Length 40.63 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 16.72 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
1347		18.69	7.22	1918	2.23	8.25				CLEAR NO OROZ

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>Hmw14</u>	125 mL poly	1	None	Perchlorate	<u>1345</u>
<u>Hmw14</u>	125 mL poly	1	None	TDS	<u>1345</u>
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO ₃	Total Chromium	

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC106

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1355 am/pm
 Project No: 04020-023-115 Finish 1910 am/pm
 Site Location: Henderson, NV
 Weather Conds: windy, hot, ~ 96°F Collector(s): B. Ho, E Nelson, Z Diernier

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) _____

2. WELL PURGE DATA

unable to locate, ground surface has been graded, well likely buried beneath ~1ft soil

- 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 ₃	Total Chromium	

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: Hmw15

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-02-07 Time: Start 1412 am/pm
 Project No: 04020-023-115 Finish 1430 am/pm
 Site Location: Henderson, NV
 Weather Conds: windy, hot ~96°F Collector(s): B. Ho, Z. Diernier, E. Nelson

1. WATER LEVEL DATA: (measured from Top of Casing)
 a. Total Well Length 29.02 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 12.81 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>1425</u>		<u>22.31</u>	<u>7.17</u>	<u>4064</u>	<u>2.42</u>	<u>151.3</u>				<u>CLOUDY 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>Hmw15</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>Perchlorate</u>	<u>1425</u>
<u>Hmw15</u>	<u>125 mL poly</u>	<u>1</u>	<u>None</u>	<u>TDS</u>	<u>1425</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>HNO₃</u>	<u>Total Chromium</u>	

(continued on back)

Signature [Signature] Date 5-02-07



Well ID: HmW16

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1438 am/pm
 Project No: 04020-023-115 Finish 1455 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, windy ~95°F Collector(s): Z. Diermier, B. Ho, E. Nelson

1. WELL LEVEL DATA: (measured from Top of Casing)
 a. Total Well Length 23.22 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 9.14 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
1451		26.28	7.12	8291	1.69	-162.1				slightly cloudy smells like sulphur

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>HmW16</u>	125 mL poly	1	None	Perchlorate	1450
<u>HmW16</u>	125 mL poly	1	None	TDS	1450
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
	125 mL poly	1	HNO ₃	Total Chromium	

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC24

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1503 am/pm
 Project No: 04020-023-115 Finish 1523 am/pm
 Site Location: Henderson, NV
 Weather Conds: hot, windy, ~95°F Collector(s): B Ho, Z Diernier, E Nelson

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

a. Total Well Length 29.36 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 21.03 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
1519		25.60	7.13	14203	2.64	113.4				CLOUDY slight sulphur odor

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
PC24	125 mL poly	1	None	Perchlorate	1515
PC24	125 mL poly	1	None	TDS	1515
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC24	125 mL poly	1	HNO ₃	Total Chromium	1515

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC50

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1525 am/pm
 Project No: 04020-023-115 Finish 1540 am/pm
 Site Location: Henderson, NV
 Weather Conds: windy, warm ~87°F Collector(s): B. Ho, Z. Diermie, E. Nelson

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

a. Total Well Length 36.76 c. Length of Water Column _____ (a-b) Casing Diameter/Material _____
 b. Water Table Depth 12.62 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
1538		25.74	7.18	11995	2.25	60.3				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
PC50	125 mL poly	1	None	Perchlorate	1535
PC50	125 mL poly	1	None	TDS	1535
	60 mL poly	1	EDA	Chlorate	
	125 mL poly	1	None	Nitrate	
PC50	125 mL poly	1	HNO ₃	Total Chromium	1535

(continued on back)

Signature [Signature] Date 5-2-07



Well ID: PC21A

Low Flow Ground Water Sample Collection Record

Client: Tronox Date: 5-2-07 Time: Start 1600 am/pm
 Project No: 04020-023-115 Finish 1620 am/pm
 Site Location: Henderson, NV
 Weather Conds: Warm, windy ~ 85°F Collector(s): B. Hu, Z Diemer, E Nelson

1. **WELL LEVEL DATA: (measured from Top of Casing)**
 a. Total Well Length 36.86 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 27.68 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
1615		26.41	7.18	19389	2.85	58.4				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
	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 ₃	Total Chromium	

(continued on back)

Signature [Signature] Date 5-2-07



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)

TO BE COMPLETED BY SAMPLER

COMPANY, UTILITY or PROJECT: TRONOX SYSTEM #: _____

COMPLIANCE SAMPLES NON-COMPLIANCE SAMPLES
 - Requires state forms REGULATION INVOLVED: _____

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg SDWA, Phase V, NPDES, FDA,...)

MWH LABS CLIENT CODE: KERRMCGEE-NV P.O.# / JOB # / PROJECT: CLO4

SEE ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes), OR
 LIST ANALYSES REQUIRED BELOW (enter number of bottles sent for each test for each sample)

SAMPLER PRINTED NAME AND SIGNATURE: ZOE DIERMETER TAT requested: rush by adv notice only

STD 1 week 3 day 2 day 1 day

SAMPLE DATE	SAMPLE TIME	SITE NAME OR SAMPLE ID.	STATION # or LOCATION	MATRIX *	GRAB	COMP	ANALYSES										SAMPLER COMMENTS		
							CLO4	CR6010	TDS	CLO34072	NO34056								
5-2-07	0730	M34		RGW	X		X	X	X										
5-2-07	0745	M35		RGW	X		X	X	X										
5-2-07	0945	PC64		RGW	X		X	X	X										
5-2-07	1000	PC31		RGW	X		X	X	X										
5-2-07	—	PC31D		RGW	X		X	X	X										
5-2-07	1025	PC28		RGW	X		X	X	X										
5-2-07	1115	PC112		RGW	X		X	X	X										
5-2-07	1130	PC110		RGW	X		X	X	X										
5-2-07	1305	PC104		RGW	X		X	X	X										
5-2-07	1325	Hmw13		RGW	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
<u>Zoe Diemeter</u>	ZOE DIERMETER	ENSTL	5/2/07	1635
RELINQUISHED BY:				
RECEIVED BY:				
RELINQUISHED BY:				
RECEIVED BY:				

C-O-C# 050207-1

