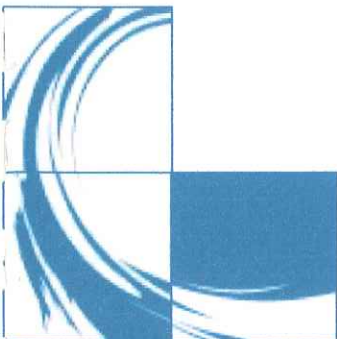




Fourth
Quarter Well Monitoring

Tronox LLC.
Henderson, Nevada

OCT. 30 – NOV. 3, 2006



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Field Data Letter Report

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Letter of Transmittal

Attention: Susan Crowley
Environmental Specialist
Tronox LLC.
8000 W. Lake Mead Drive
Henderson, NV 89015

Date: November 13, 2006

Project:

2006 4th Quarter Groundwater Monitoring

Enclosed:

1 copy of Field Data Letter Report

Remarks:

Susan,

The enclosed Quarterly Groundwater Monitoring Report with supporting documents is provided for your records.

Signature:

A handwritten signature in black ink, appearing to read 'J. Lambeth'.

Jeff Lambeth, Project Manager
VeoliaWaterNA

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com



Field Data Letter Report

5 INTRODUCTION

Tronox LLC. (formerly Kerr McGee Chemical) contracts with Veolia Water North America West LLC., (VWNA) to conduct groundwater sampling and analysis at their Chemical facility, located at 8000 West lake Mead Gate 2, in Henderson, Nevada. The work described herein represents the fourth quarter groundwater sampling event for 2006. The work was conducted in accordance with the Sampling and Analysis Work plan, submitted to KMG January 9, 2004. VWNA has four staff members trained to assist the quarterly well monitoring events. VWNA monitoring team meets twice prior to the sampling event to discuss all issues associated with this project and to review the status of action items noted in the first meeting. Sampling and laboratory equipment needs, time tables and well site schedules are reviewed. Samples and coolers are checked to ensure that there are no missing bottles.

1.1 SCOPE OF SAMPLING EVENT

This sampling effort included the following tasks:

- Soundings of the pumping water levels in 23 interceptor wells.
- Collection of groundwater samples from 21 interceptor wells.
- Soundings of water levels in 74 monitoring wells.
- Collection of groundwater samples from 70 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO4), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Total Dissolved Solids (TDS), Nitrate (NO3), Chlorate (CLO3) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO3, NO2-N, N-INOR, NH3, NH3-DIST)

Groundwater samples were shipped daily to Montgomery Watson (MW) for analysis, in Monrovia, California. MW is certified by the State of Nevada.

The scope of this assignment also included compiling the water level and analytical data presented in this report. Data are presented in tabular form.

6 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday October 30th and Friday, November 3rd, 2006. Activities included the sounding of “pumping water” levels in the interceptor wells, sounding the “static water” level in the monitoring wells and sampling of both the interceptor and monitoring wells. Prior to each quarter, an inventory list is issued to Tronox LLC. for review and comment. The inventory list was approved by Tronox personnel and their designees and there for followed.

VWNA Project Manager Jeff Lambeth oversees the technical work conducted by project personnel and the quality assurance efforts. James Winge and Eric Crawford were responsible for sample collection and recording all pertinent data on sample bottles. Michele Brown supervised the groundwater sampling activities. She is responsible for executing all work elements related to the groundwater sampling program, including laboratory equipment maintenances and calibration, fieldwork, documenting field activities, maintaining field notes and photographs (when applicable), maintaining a record of onsite personnel and visitors, and providing the Operations Manager with information concerning implementation of the sampling plan.

VWNA maintained records of daily events and pertinent sampling data of each well on a field log sheet and addendum data in a bound log book. Log sheet entries included personnel onsite, weather conditions, water levels, activities conducted, sampling times, pH, EC, temperature and other significant field information.

2.1 Groundwater Level Soundings

VWNA sounded pumping water levels in 23 interceptor wells. Interceptor well “G” and “T” pumps are out of service, however; sounding was conducted at these locations. In addition to the interceptor wells, static water levels of 74 monitoring wells were taken. There were 2 monitoring

wells considered "DRY", M-32, and M-18. There were two (2) wells where only static water levels were required. The following are the 3 wells:

M-80	M-80A		

Five (5) wells had the bailers removed in order to sound and record DTW readings.

M-98	M-96	M-19	M-18
M-102			

The water levels were sounded to the nearest 0.01 foot using an electronic well sounder.

2.2 Equipment Cleaning Procedures

During the sounding of water levels, the equipment was washed with de-ionized water before use at each well. We rinsed the equipment with 3 to 4 gallons deionized water using a dedicated DI water bucket after every well sampling. The rinse water was collected in a polyethylene container and transported to GW-11 for treatment.

3.0 GROUNDWATER SAMPLING

3.1 Sampling Locations

The following presents the identification of wells sampled.

3.1.1 Interceptor Wells

I-AR	I-B	I-C	I-D	I-E	I-F	I-H	I-I	I-J	I-K	I-L
I-M	I-N	I-O	I-P	I-Q	I-R	I-S		I-U	I-V	I-Z

3.1.2 Monitoring Wells

	M-10	M-11	M-12A		M-14A	M-17A		M-19	M-22A
M-23	M-25	M-31A		M-34	M-35	M-36	M-37	M-38	M-39
M-44	M-48	M-50	M-52	M-57A	M-61	M-64	M-65	M-66	M-67
M-68	M-69	M-70	M-71	M-72	M-73	M-74	M-75	M-76	M-79

M-83	M-84	M-85	M-86	M-87	M-88	M-89	M-92	M-93	M-94
M-95	M-96	M-97	M-98	M-99	M-100	M-101	M-102	M-115	PC-123
PC-124	PC-125	PC-126	PC-127	PC-128	PC-129	PC-130	PC-131	PC-132	PC-37
PC-54	PC-71	PC-72	PC-73						

4.0 SAMPLING TECHNIQUES

4.1 Interceptor Wells

The interceptor wells were sampled using dedicated sampling ports. At the beginning of sampling each well or line, personnel wore a new pair of clean nitrile or latex gloves. The sampling port was opened to drain any stagnant water from piping and valves. This water is captured and containerized. All captured water is off-loaded at GW-11 for onsite treatment. Following the purging of the sample port, a "water quality" sample was collected for analysis of Perchlorate, Total Chromium, pH, and conductivity. VVNA also recorded the "field" temperature, pH, and conductivity as well as the pumping water level. The "field" parameters are provided in Table 1.

4.2 Monitoring Wells

Monitoring wells were purged before sampling to assure that each sample was collected from fresh formation water.

Sixty-five (65) wells were purged and sampled, using the 12 volt submersible pump. Two wells were purged with the "Ready Flo 2" with variable pump flow control. Two (2) wells, M-36, M-38, were purged with a non dedicated bailer that was flushed with de-ionized water prior to each sampling. Hand bailing was done as a result of only needing to purge less than 3 gallons of water, if there was an insufficient amount of water in the well casing to use a pump or due to the location of the well.

Samples for both the interceptor and monitoring wells were collected in appropriate containers supplied by MWH Laboratories and analyzed for the specific required analysis of the well. The bottles were filled with minimal aeration, using laminar flow.

The samples were labeled, packaged, stored, and transported using the procedures outlined in the work plan for well samples. Clear tape may have been used on some bottles to maintain the information integrity of the labels. Where leaking acid removed the pre labeled information, it was hand restored.

4.3 Problems Encountered

During this event five (5) wells purged dry, M-98, M-64, M-73, M-101 and M-72. Although the wells purged dry the three well casings of water required to be purged from each well was attained and samples collected.

The wells on Sunset, PC-128 and PC-132, now have new steel lids to replace the broken cast lids.

4.4 Equipment Cleaning Procedures

In addition to using much more water to flush and decontaminate the deionized is changed each morning so the rinsing water is fresh. Non-dedicated sampling equipment was cleaned and decontaminated before use at each new sampling location. Conductivity meter probes, pH electrodes, were thoroughly rinsed with de-ionized water after each well was sampled. The rinsate is captured in a special use bucket for decontamination.

5.0 QUALITY CONTROL

Quality control (QC) procedures implemented for this sampling event included collection and analysis of QC duplicate samples, equipment and field blanks. The analytical laboratory is also required to meet specific QA/QC requirements for surrogate recovery, MS/MSD recovery and RPDs, and LCS recoveries.

5.1 QC Duplicate Samples

QC duplicate samples were collected during the sampling event to evaluate the precision and accuracy of analytical data. The QC duplicates were collected, packaged, and transported in the same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on the last well visited for that day.

Five (5) duplicates were collected from the wells, representing at least 5 percent of the samples collected. The duplicate samples were collected from wells PC-127, PC-128, and PC-129, M-100

and M-84. They were analyzed for the same parameters as the primary samples. MWH was not informed of the identity of these "blind" samples.

5.2 Equipment Blanks

Two equipment blanks were taken this quarter. The equipment blanks were collected on October 31st and November 1st. One set of three bottles for each day for a total of 6 bottles. This was done to evaluate the adequacy of cleaning procedures used by field personnel during this sampling event.

5.3 Field Blanks

One field blank sample (FB-1) was collected on October 30, 2006. One set of three bottles was sent to the laboratory for analysis to evaluate the integrity of the de-ionized water used to clean and purge the sampling equipment.

6.0 ANALYTICAL PROCEDURES

The following designates the parameter, analytical method and method reporting limits for groundwater. Some of the following analysis may not have been performed for this reporting period. VVNA lists all appropriate information to include analysis conducted throughout the entire year:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>MRL</u>
CLO4	EPA Method 314	4.0 µg/L
Total Chromium	EPA Method 200.7	0.01 mg/L
Hexavalent Chromium (Cr+6)	EPA Method 4500 CR-D	0.005 mg/L,
pH	EPA Method 150	.01 units
EC	EPA Method 2510	2 µohms/cm
TDS	EPA Method 2540C.	10 mg/L

MWH Laboratory QC analytical method and method reporting limits information, was taken from the MWH Laboratory Data Report.

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>MRL</u>
Chloride	EPA Method 300	80.0 mg/L

Iron (ICAP)	EPA Method 200.7	0.005 mg/L
Manganese (ICAP/MS)	EPA Method 200.8	100 µg/L
Sodium (ICAP)	EPA Method 200.7	5 mg/L
Phenolic Compounds	EPA Method 420.1, 420.2	.010 mg/L
Sulfate	EPA Method 300	80 mg/L
Total Organic Carbon, TOC	EPA Method (ML/SM 5310C)	unknown
Total Organic Halogen, TOX	EPA Method (ML/9020 / SM5320)	unknown
Boron	EPA 200.7	.10 mg/L
Fluoride	SM4500F-C	.050 mg/L
Molybdenum	EPA 200.8	2.0 ug/L
Total Organic Nitrogen	EPA Method 300	0.200 mg/L
Ammonia Nitrogen	EPA Method 350	0.050 mg/L
Nitrate Nitrogen	EPA Method 300	2.0 mg/L
Copper	EPA Method 200.8	2.0 ug/L
Chlorate	EPA Method 9056	1000 µg/L
Nitrate	EPA Method 300	11 mg/L

Laboratory QA/QC procedures employed by MW are being provided directly to KMG.

6.1 Field Equipment Calibration

Prior to the start of each day's events, field laboratory equipment was calibrated. A Hanna HI 98130 water proof pH, EC/TDS and temperature field probe was calibrated and measurements recorded on daily laboratory calibration maintenance forms, which have been provided.

7.0 SUMMARY RESULTS

7.1 Groundwater Level Soundings

A summary of water level soundings collected for the interceptor and monitoring wells are presented in Table 1. A low number indicates a tall water column and a high number indicates a shallow water column.

Pumping water level in interceptors wells. (Measured in feet from below the top of casing.)

LOW

24.14 (I-I)

HIGH

43.83 (I-E)

Static water level monitoring wells. (Measured in feet from below the top of casing.)

LOW

9.87 (PC-132)

HIGH

48.72 (M-10)

7.2 Summary of Field Activities

7.2.1 Interceptor Wells

CLO4, Cr, TDS

21 interceptor wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.2 Monitoring Wells

CLO4, Cr, Cr+6, and TDS

8 monitoring wells

CLO4, Cr, TDS

62 monitoring wells

Fifteen wells had CLO3 and NO3 samples collected from them along with the standard set required from the well.

PC-124	PC-126	PC-128	PC-130	PC-132	M-48	M-23	M-10	M-11	M-12A
M-39	M-25	M-36	M-37						

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.3 QC Duplicate Samples (Measured for the same analyses as the primary samples.)

M-100 and M-84 (Measured for CLO4, Total Cr., Hex Cr, TDS and pH)

PC-127 and PC-129 (Measured for Total Cr., CLO4, TDS and pH)

PC-128 (Measured for pH, CLO4, CLO3, NO3, TDS and CR)

7.2.4 Equipment Blanks

Two equipment blanks were analyzed for CLO₄, Total Cr., Hex Cr., pH, and TDS.

7.2.5 Field Blank

One field blank was analyzed for CLO₄, Total Cr., Hex Cr., pH and TDS.

Weather	Cool, Sunny
Total # of wells sampled	91
Total water samples collected	101
 Total Wells measured DTW only	 4
Total Duplicate Samples (5%)	5
Total Equipment Blanks	2
Total Field Blanks	1
Total Wells hand bailed	3
Total Wells considered DRY	2
Total Wells not found	0
Total Wells out of service	2



Table of Well Gauging Data

This Section Contains:

- Field Sign - In Log
- Daily Maintenance & Calibration Log
- Table 1 Well Inventory
- Chain-of-Custody & Bottle Order Forms

Field Sign In Log

[illegible]



DAILY MAINTENANCE AND CALIBRATION RECORD

DATE 10-30-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst 5:10 MB
Calibration Value	2) 7.02	2) 7.99	
Buffer Temperature	3) 19.4	3) 18.5	
changed buffers yes ☒ please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst 5:00 MB
Temp. Comp. Value	1) 11.67	
Calibration Value	1) 11.67 12.90 MB	
Standard Temp	1) 19.5	
changed standards yes ☒ please check		

Duplicate EC reading

Well # M-44

1st Reading

2nd Reading

EC 9.43 mS TEMP 23.8°CEC 9.47 mS TEMP 24.1°C

All equipment was rinsed and purged with Deionized water after each well.

Date 10-30-06 Verified M Brown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 10-31-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst <u>505</u> <u>MB</u>
Calibration Value	2) <u>7.01</u>	2) <u>8.02</u>	
Buffer Temperature	3) <u>20.3</u>	3) <u>19.9</u>	
changed buffers yes ☒ please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst <u>MB</u> <u>500</u>
Temp. Comp. Value	1) <u>11.67</u>	
Calibration Value	1) <u>1289</u>	
Standard Temp	1) <u>20.3</u>	
changed standards yes ☒ please check		

Duplicate EC reading

Well # M-11

1st Reading

2nd Reading

EC 4.17mS TEMP 24.2°C

EC 4.21mS TEMP 24.5°C

All equipment was rinsed and purged with Deionized water after each well.

Date 10-31-06 Verified M Brown



DAILY MAINTENANCE AND CALIBRATION RECORD

DATE 11-1-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst <u>518 MB</u>
Calibration Value	2) <u>7.00</u>	2) <u>7.00</u>	
Buffer Temperature	3) <u>20.7</u>	3) <u>20.9</u>	
changed buffers yes ☒ please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst <u>515 MB</u>
Temp. Comp. Value	1) <u>11.91</u>	
Calibration Value	1) <u>1288</u>	
Standard Temp	1) <u>21.3°C</u>	
changed standards yes ☒ please check		

Duplicate EC reading

Well # M-12A

1st Reading

2nd Reading

EC 8.80 TEMP 22.9°CEC 8.95 TEMP 23.1°C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-1-06 Verified M. Brown



DAILY MAINTENANCE AND CALIBRATION RECORD

DATE 11-2-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst 503 MB
Calibration Value	2) 7.02	2) 8.01	
Buffer Temperature	3) 20.6°C	3) 20.3°C	
changed buffers yes ☒ please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst 457 MB
Temp. Comp. Value	1) 11.67	
Calibration Value	1) 1287	
Standard Temp	1) 19.6°C	
changed standards yes ☒ please check		

Duplicate EC reading

Well # M-25

1st Reading

2nd Reading

EC 10.43 mS TEMP 23.7°CEC 10.45 mS TEMP 23.6°C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-2-06 Verified M Brown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 11-3-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst <u>528 MB</u>
Calibration Value	2) <u>7.02</u>	2) <u>7.99</u>	
Buffer Temperature	3) <u>20.7</u>	3) <u>20.9</u>	
changed buffers yes <u>✓</u> please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst <u>525 MB</u>
Temp. Comp. Value	1) <u>11910</u>	
Calibration Value	1) <u>1789</u>	
Standard Temp	1) <u>20.8</u>	
changed standards yes <u>✓</u> please check		

Duplicate EC reading

Well # M-14A

1st Reading

2nd Reading

EC 4.42mS TEMP 23.0°C

EC 4.43mS TEMP 23.2°C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-3-06 Verified M Brown

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-2A	40.69	1781.16	Only Sampled in the 2nd Quarter (Annual) Sampling event					pH / Cr / ClO ₄ / TDS
M-5A	50.00	1751.80	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO ₄ / Cr / TDS
M-6A	46.00	1733.20	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-7B	55.00	1732.83	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-10	69.45	1836.21	48.72	1787.49	7.34	3.96mS/cm	10-31-06/9:50	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-11	58.00	1815.54	43.38	1772.16	7.81	4.17mS/cm	10-31-06/11:23	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-12A	50.00	1812.76	42.35	1770.41	7.71	8.80mS/cm	11-1-06/11:24	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-13	54.76	1814.89	Only Sampled in the 2nd Quarter					pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-14A	42.40		32.08		7.40	4.42mS/cm	11-3-06/7:52	pH / Cr / ClO ₄ / TDS
M-15	42.55	1750.97		1750.97				pH / Cr / ClO ₄ / TDS
M-17A	37.00	1768.99	33.04	1735.95	7.05	14.58mS/cm	11-3-06/6:37	pH / Cr / ClO ₄ / TDS
M-18	29.80	1740.48	28.30	1712.18	NO SAMPLE		11-1-06/11:00	pH / Cr / ClO ₄ / TDS
M-19	41.20	1766.77	35.72	1731.05	7.37	5.59mS/cm	11-1-06/8:42	pH / Cr / ClO ₄ / TDS
M-21	44.74	1792.07		1792.07				pH / Cr / ClO ₄ / TDS
M-22A	36.92	1759.46	30.13	1729.33	6.97	15.64mS/cm	11-3-06/6:04	pH / Cr / ClO ₄ / TDS
M-23	44.47	1720.35	24.98	1695.37	7.35	5.33mS/cm	10-30-06/11:36	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-25	41.47	1759.93	32.18	1727.75	7.04	10.43mS/cm	11-2-06/11:10	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-27	26.00	1742.25	Well was abandoned by KMCC in June 2003.					Not sampled
M-29	41.74							pH / Cr / ClO ₄ / TDS
M-31A	55.00	1796.87	47.03	1749.84	7.09	10.27mS/cm	11-1-06/6:48	pH / Cr / ClO ₄ / TDS
M-32	46.76	1799.86		1799.86	NO SAMPLE		11-1-06/7:01	pH / Cr / ClO ₄ / TDS
M-33	46.78	1800.29		1800.29				pH / Cr / ClO ₄ / TDS
M-34	41.83	1777.10	37.63	1739.47	7.15	12.14mS/cm	11-1-06/8:10	pH / Cr / ClO ₄ / TDS
M-35	42.33	1775.94	35.67	1740.27	7.06	9.96mS/cm	11-1-06/8:26	pH / Cr / ClO ₄ / TDS
M-36	37.85	1759.82	31.90	1727.92	7.03	16.51mS/cm	11-2-06/9:59	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-37	37.18	1761.06	31.08	1729.98	7.07	8.66mS/cm	11-2-06/10:59	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-38	36.82	1759.73	31.01	1728.72	7.12	14.66mS/cm	11-2-06/10:03	pH / Cr / ClO ₄ / TDS
M-39	42.60	1761.13	31.53	1729.60	7.10	7.72mS/cm	11-1-06/9:01	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-44	37.65	1698.31	18.40	1679.91	7.45	9.43mS/cm	10-30-06/12:12	pH / Cr / Cl ⁻ / ClO ₄ / TDS
M-48	38.59	1720.78	23.90	1696.88	7.60	3.56mS/cm	10-30-06/9:59	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
M-50	62.15	1795.64	46.65	1748.99	7.10	14.20mS/cm	11-1-06/7:07	pH / Cr / ClO ₄ / TDS
M-52	47.38	1801.92	40.87	1761.05	7.15	7.84mS/cm	11-2-06/6:04	pH / Cr / ClO ₄ / TDS
M-55	45.00	1750.88		1750.88				Not sampled
M-56	40.00	1750.83		1750.83				Not sampled

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/A analytical Plan
M-57A	42.40		29.23		7.46	4.19mS/cm	10-31-06/8:04	pH / Cr / ClO ₄ / TDS
M-58	46.00	1751.25		1751.25				Not sampled
M-60	43.00	1750.94		1750.94				Not sampled
M-61	41.00	1746.83	24.78	1722.05	7.24	6.33mS/cm	11-1-06/9:33	pH / Cr / ClO ₄ / TDS
M-64	38.00	1749.76	29.84	1719.92	7.36	7.40mS/cm	10-31-06/7:05	pH / Cr / ClO ₄ / TDS
M-65	40.00	1753.90	29.23	1724.67	6.86	16.59mS/cm	10-31-06/7:36	pH / Cr / ClO ₄ / TDS
M-66	43.00	1754.24	30.60	1723.64	6.71	16.83mS/cm	10-31-06/7:51	pH / Cr / ClO ₄ / TDS
M-67	38.00	1745.91	22.85	1723.06	7.16	7.98mS/cm	11-1-06/10:10	pH / Cr / ClO ₄ / TDS
M-68	41.00	1748.72	25.61	1723.11	7.38	7.17mS/cm	11-1-06/9:16	pH / Cr / ClO ₄ / TDS
M-69	40.00	1749.75	30.50	1719.25	7.15	6.02mS/cm	10-31-06/8:56	pH / Cr / ClO ₄ / TDS
M-70	41.00	1748.24	27.66	1720.58	7.01	9.92mS/cm	11-2-06/9:10	pH / Cr / ClO ₄ / TDS
M-71	43.00	1747.04	27.94	1719.10	7.04	8.15mS/cm	11-2-06/9:23	pH / Cr / ClO ₄ / TDS
M-72	36.00	1746.49	30.24	1716.25	7.07	10.35mS/cm	11-2-06/9:36	pH / Cr / ClO ₄ / TDS
M-73	36.00	1741.14	28.70	1712.44	7.55	3.71mS/cm	11-1-06/10:24	pH / Cr / ClO ₄ / TDS
M-74	39.00	1744.37	27.40	1716.97	7.32	7.48mS/cm	11-1-06/10:43	pH / Cr / ClO ₄ / TDS
M-75	53.90	1784.21	42.18	1742.03	7.48	6.45mS/cm	11-3-06/7:19	pH / Cr / ClO ₄ / TDS
M-76	54.60	1785.21	38.74	1746.47	7.55	5.66mS/cm	11-3-06/6:56	pH / Cr / ClO ₄ / TDS
M-77	47.80	1800.17		1800.17				pH / Cr / ClO ₄ / TDS
M-78	43.60	1751.50		1751.50				Not sampled
M-79	37.60	1742.53	26.09	1716.44	7.62	1.80mS/cm	10-31-06/9:12	pH / Cr / ClO ₄ / TDS
M-80	43.70	1746.04	25.84	1720.20	NO SAMPLE		11-2-06/8:29	W.L. only
M-81A	41.60	1744.16	28.61	1715.55	NO SAMPLE		11-2-06/8:08	W.L. only
M-83	42.50	1742.36	23.18	1719.18	7.45	2.01mS/cm	11-2-06/8:37	pH / Cr / ClO ₄ / TDS
M-84	36.80	1741.03	22.50	1718.53	7.58	1.39mS/cm	11-2-06/10:38	pH / Cr / ClO ₄ / TDS
M-85	38.87	1741.19	25.60	1715.59	7.75	1.31mS/cm	11-2-06/8:06	pH / Cr / ClO ₄ / TDS
M-86	43.00	1744.23	29.89	1714.34	7.30	4.38mS/cm	11-2-06/7:50	pH / Cr / ClO ₄ / TDS
M-87	41.00	1744.12	34.33	1709.79	7.40	2.44mS/cm	11-2-06/6:29	pH / Cr / ClO ₄ / TDS
M-88	39.00	1739.35	30.61	1708.74	7.31	8.67mS/cm	11-1-06/11:07	pH / Cr / ClO ₄ / TDS
M-89	39.00	1766.19	33.37	1732.82	6.93	13.86mS/cm	11-3-06/6:21	pH / Cr / ClO ₄ / TDS
M-92	48.50	1800.76	36.96	1763.80	7.15	2.54mS/cm	11-1-06/5:43	pH / Cr / ClO ₄ / TDS
M-93	49.00	1797.54	35.88	1761.66	7.50	3.85mS/cm	11-1-06/6:13	pH / Cr / ClO ₄ / TDS

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-94	21.60	1695.07	11.40	1683.67	7.31	8.74mS/cm	10-30-06/11:55	pH / Cr / Cr ⁶ / ClO ₄ / TDS
M-95	30.00	1694.09	9.90	1684.19	7.39	8.82mS/cm	10-30-06/9:03	pH / Cr / ClO ₄ / TDS
M-96	16.90	1693.52	9.93	1683.59	7.38	8.12mS/cm	10-30-06/8:52	pH / Cr / ClO ₄ / TDS
M-97	52.50	1800.85	40.07	1760.78	7.13	5.03mS/cm	11-1-06/5:58	pH / Cr / ClO ₄ / TDS
M-98	33.40	1731.90	30.00	1701.90	7.38	5.56mS/cm	10-31-06/8:25	pH / Cr / ClO ₄ / TDS
M-99	36.50	1730.74	27.96	1702.78	7.18	7.38mS/cm	10-31-06/8:40	pH / Cr / ClO ₄ / TDS
M-100	32.80	1730.93	26.27	1704.66	7.52	2.16mS/cm	11-2-06/10:25	pH / Cr / Cr ⁶ / ClO ₄ / TDS
M-101	31.20	1730.81	28.42	1702.39	7.65	4.44mS/cm	11-2-06/7:04	pH / Cr / ClO ₄ / TDS
M-102	43.50	1740.24	37.50	1702.74	7.57	2.52mS/cm	11-2-06/8:49	pH / Cr / ClO ₄ / TDS
M-115	47.50		37.19		7.52	3.31mS/cm	11-3-06/7:36	pH / Cr / ClO ₄ / TDS
PC-123	34.70	1626.70	23.00	1603.70	6.99	8.72mS/cm	10-30-06/5:46	pH / Cr / ClO ₄ / TDS
PC-124	34.60	1636.30	24.90	1611.40	7.19	6.93mS/cm	10-30-06/6:04	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-125	33.50	1635.41	23.45	1611.96	7.21	7.22mS/cm	10-30-06/6:21	pH / Cr / ClO ₄ / TDS
PC-126	34.30	1634.67	22.45	1612.22	7.13	12.44mS/cm	10-30-06/6:34	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-127	34.70	1632.92	19.21	1613.71	7.30	8.65mS/cm	10-30-06/6:49	pH / Cr / ClO ₄ / TDS
PC-128	34.70	1633.62	18.48	1615.14	7.45	5.72mS/cm	10-30-06/7:03	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-129	37.70	1634.35	18.55	1615.80	7.14	7.56mS/cm	10-30-06/7:21	pH / Cr / ClO ₄ / TDS
PC-130	49.70	1633.50	19.10	1614.40	7.26	7.35mS/cm	10-30-06/7:40	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-131	39.40	1634.29	11.10	1623.19	7.09	13.08mS/cm	10-30-06/7:59	pH / Cr / ClO ₄ / TDS
PC-132	39.70	1634.84	9.87	1624.97	7.19	12.53mS/cm	10-30-06/8:17	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
Interceptor Wells								
I-AR	45.00	1758.35	29.07	1729.28	7.15	9.09mS/cm	10-31-06/6:40	pH / Cr / ClO ₄ / TDS
I-B	45.70	1752.66	33.06	1719.60	7.18	7.10mS/cm	10-31-06/6:12	pH / Cr / ClO ₄ / TDS
I-C	43.80	1752.77	32.81	1719.96	7.25	10.35mS/cm	10-31-06/6:03	pH / Cr / ClO ₄ / TDS
I-D	47.70	1752.66	28.94	1723.72	7.16	10.74mS/cm	10-31-06/6:01	pH / Cr / ClO ₄ / TDS
I-E	46.70	1752.36	43.83	1708.53	6.89	11.24mS/cm	10-31-06/5:55	pH / Cr / ClO ₄ / TDS
I-F	45.80	1749.70	26.02	1723.68	6.99	14.89mS/cm	10-31-06/5:51	pH / Cr / ClO ₄ / TDS
I-G	42.60	1752.50	28.80	1723.70	NO SAMPLE		10/31/06	pH / Cr / ClO ₄ / TDS
I-H	46.50	1753.21	33.71	1719.50	6.83	16.70mS/cm	10-31-06/5:40	pH / Cr / ClO ₄ / TDS
I-I	44.20	1745.50	24.14	1721.36	7.18	13.01mS/cm	11-1-06/10:00	pH / Cr / ClO ₄ / TDS
I-J	44.50	1750.07	42.15	1707.92	7.28	6.82mS/cm	11-1-06/9:48	pH / Cr / ClO ₄ / TDS

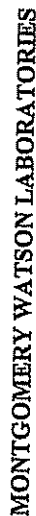
Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
I-K	38.71	1750.07	36.33	1713.74	7.37	6.88mS/cm	11-1-06/9:38	pH / Cr / ClO ₄ / TDS
I-L	43.40	1751.69	25.63	1726.06	6.96	8.89mS/cm	10-31-06/6:07	pH / Cr / ClO ₄ / TDS
I-M	43.70	1752.89	29.85	1723.04	7.07	10.94mS/cm	10-31-06/5:57	pH / Cr / ClO ₄ / TDS
I-N	41.70	1751.45	29.12	1722.33	6.93	12.38mS/cm	10-31-06/5:52	pH / Cr / ClO ₄ / TDS
I-O	43.80	1752.79	37.80	1714.99	6.56	14.64mS/cm	10-31-06/5:32	pH / Cr / ClO ₄ / TDS
I-P	47.80	1751.66	41.80	1709.86	6.75	16.24mS/cm	10-31-06/5:37	pH / Cr / ClO ₄ / TDS
I-Q	43.80	1753.11	29.28	1723.83	6.96	17.06mS/cm	10-31-06/5:47	pH / Cr / ClO ₄ / TDS
I-R	45.30	1751.35	34.23	1717.12	6.96	9.35mS/cm	10-31-06/6:10	pH / Cr / ClO ₄ / TDS
I-S	47.70	1750.03	28.66	1721.37	7.27	8.69mS/cm	10-31-06/6:05	pH / Cr / ClO ₄ / TDS
I-T	47.80	1751.65	28.66	1722.99	NO SAMPLE		10/31/06	pH / Cr / ClO ₄ / TDS
I-U	47.60	1752.16	41.67	1710.49	6.75	16.80mS/cm	10-31-06/5:42	pH / Cr / ClO ₄ / TDS
I-V	47.70	1752.13	31.33	1720.80	7.25	13.49mS/cm	11-1-06/10:03	pH / Cr / ClO ₄ / TDS
I-Z	37.00	1743.78	34.00	1709.78	7.30	9.51mS/cm	11-1-06/9:52	pH / Cr / ClO ₄ / TDS
Other wells (offsite)								
PC-37	43.08	1707.71	24.15	1683.56	7.41	8.73mS/cm	10-30-06/11:16	pH / Cr / ClO ₄ / TDS
PC-54	34.60	1704.42	15.13	1689.29	7.28	7.39mS/cm	10-30-06/9:37	pH / Cr / ClO ₄ / TDS
PC-71	33.23	1698.73	22.43	1676.30	7.36	9.46mS/cm	10-30-06/10:37	pH / Cr / ClO ₄ / TDS
PC-72	39.54	1699.43	27.64	1671.79	7.39	8.31mS/cm	10-30-06/10:49	pH / Cr / ClO ₄ / TDS
PC-73	49.44	1699.49	30.26	1669.23	7.34	8.29mS/cm	10-30-06/11:01	pH / Cr / ClO ₄ / TDS
Pioneer Chemical Well								
H-28A	51.00	1731.75	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO ₄ / CR / TDS
Duplicate Samples:								
MD-1	= blind duplicate of		M-100				11/02/06	pH / Cr / Cr ⁶ / ClO ₄ / TDS
MD-2	= blind duplicate of		M-84				11/02/06	pH / Cr / Cr ⁶ / ClO ₄ / TDS
MD-3	= blind duplicate of		PC-127				10/30/06	pH / Cr / ClO ₄ / TDS
MD-4	= blind duplicate of		PC-129				10/30/06	pH / Cr / ClO ₄ / TDS
MD-5	= blind duplicate of		PC-128				10/30/06	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
Other Samples Collected:								
Equipment Blank Sample: EB-1 collected on							10-30-06/12:23	pH / Cr / Cr ⁶ / ClO ₄ / TDS
Equipment Blank Sample: EB-2 collected on							11-1-06/11:41	pH / Cr / Cr ⁶ / ClO ₄ / TDS
Field Blank Sample: FB-1							10-30-06/12:15	pH / Cr / Cr ⁶ / ClO ₄ / TDS

ACTUAL

Wells sampled:	91	Number of Wells to be Sampled:	95
Duplicates:	5	Number of Duplicate Samples (5%):	5
Field Blanks:	1	Number of Field Blanks (1 per Qtr):	1
Equipment Blanks:	2	Number of Equipment Blanks (2 per Qtr):	2
Total Samples Collected:	99	Total Number of Water Samples to be Collect:	103
DTW Only:	6	Number of wells where water levels measured only:	2
Wells Visited:	97	Total Number of Wells to visit:	97



CHAIN OF CUSTODY RECORD

MW ABS USE ONLY:

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE:	FROZEN	PARTIALLY FROZEN	THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling

Schedule 8

Sampler Michele Brown

Maehle Brown

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Susan Crowley
(702) 651-2234

Henderson, NV 89009

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP								SAMPLER	Comments	
							CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056			See Bottle Order
10/18	10-30-06		PC-34	RGW	X		X	X	X						2	Bottles
10/18	10-30-06		M-48	RGW	X		X	X	X			X			4	Bottles
10/15	10-30-06		PC-71	RGW	X		X	X	X						2	Bottles
10/17	10-30-06		PC-112	RGW	X		X	X	X						2	Bottles
11/11	10-30-06		PC-113	RGW	X		X	X	X						2	Bottles
11/27	10-30-06		PC-37	RGW	X		X	X	X						2	Bottles
11/15	10-30-06		M-23	RGW	X		X	X	X			X			4	Bottles
12/07	10-30-06		M-94	RGW	X		X	X	X						3	Bottles
12/22	10-30-06		M-44	RGW	X		X	X	X			X			3	Bottles
	10-30-06		MD-3	RGW	X		X	X	X						2	Bottles
	10-30-06		MD-4	RGW	X		X	X	X						2	Bottles
	10-30-06		MD-5	RGW	X		X	X	X						4	Bottles

*** MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

$$1105 = 05$$

SIGNATURE

RELINQUISHED BY: Nachelle Brown

RECEIVED BY.

BY APPOINTMENT TO HIS MAJESTY THE KING

PRINT NAME:

Michele Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

DATE _____ TIME _____

10-30-20	12:00PM
----------	---------

0-0-04

99



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 386-1100

(800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.# Quantity Groundwater Sampling Schedule B		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										☐ (check for yes)											
KERRIMGEE-MP		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)																					
Sampler Michele Brown		IDENTIFIER, STATE ID#		MATRIX		GRAB		COMP		CR 6010		TDS		CLO4		CRVI 7196		NO3 9056		CLO3 9056		See Bottle Order		SAMPLER Comments	
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#		MATRIX	GRAB	COMP	CR 6010	TDS	CLO4	CRVI 7196	NO3 9056	CLO3 9056	See Bottle Order									Bottles		
556	10-30-06		PC-123		RGW	X		X	X	X													2		
614	10-30-06		PC-124		RGW	X		X	X	X		X											4		
622	10-30-06		PC-125		RGW	X		X	X	X													2		
672	10-30-06		PC-126		RGW	X		X	X	X		X											4		
657	10-30-06		PC-127		RGW	X		X	X	X													2		
714	10-30-06		PC-128		RGW	X		X	X	X		X											4		
736	10-30-06		PC-129		RGW	X		X	X	X													2		
754	10-30-06		PC-130		RGW	X		X	X	X		X											4		
811	10-30-06		PC-131		RGW	X		X	X	X													2		
827	10-30-06		PC-132		RGW	X		X	X	X		X											4		
859	10-30-06		M-96		RGW	X		X	X	X													2		
911	10-30-06		M-95		RGW	X		X	X	X													2		

* MATRIX TYPES:

Reported by Volume:

CFW = Chlorinated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	10/30/06	12:00PM
RELINQUISHED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MYLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.# Quarterny Groundwater Sampling Schedule B	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)
KERRMCGEE-MP SAMPLER Michele Brown	Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRV1 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
1215	10-30-06		FB-1	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

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

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	10-30-06	12:00PM
RELINQUISHED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME PROJECT JOB # / P.O.#
(Quantity Groundwater Sampling)

Schedule B

Sampler Michelle Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant

PO Box 55

Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
1130	10-31-06		M-64	RGW	X		X	X	X	X					2 Bottles
1145	10-31-06		M-65	RGW	X		X	X	X	X					2 Bottles
1159	10-31-06		M-66	RGW	X		X	X	X	X					2 Bottles
811	10-31-06		M-57A	RGW	X		X	X	X	X					2 Bottles
835	10-31-06		M-98	RGW	X		X	X	X	X					2 Bottles
846	10-31-06		M-99	RGW	X		X	X	X	X					2 Bottles
905	10-31-06		M-69	RGW	X		X	X	X	X					2 Bottles
920	10-31-06		M-79	RGW	X		X	X	X	X					2 Bottles
1223	10-31-06		EB-1	RGW	X		X	X	X	X					2 Bottles
1104	10-31-06		M-10	RGW	X		X	X	X	X					3 Bottles
1215	10-31-06		M-11	RGW	X		X	X	X	X					5 Bottles
				RGW	X		X	X	X	X					5 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlorinated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

Michelle Brown

Michelle Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

DATE

TIME

10-31-06 12:00PM

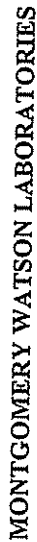
RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

C-0 5140521



CHAIN OF CUSTODY RECORD

MWLABS USE ONLY:

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

177C-00C (mm)

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE:	FROZEN	PARTIALLY FROZEN	THAWED

TO BE COMPLETED BY SAMPLER:

[illegible]

*** MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

TIME

DATE _____

COMPANY/TITLE
Veolia Water NA for Tronox LLC - Henderson Plant

TIME 12:00 PM

RELINQUISHED BY: _____

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

HW LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.# Quarterly Groundwater Sampling Schedule B		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)											
KERRMCGEE-MP		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)											
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
1020	11-1-06		M-67	RGW	X		X	X	X	X					2 Bottles
1034	11-1-06		M-113	RGW	X		X	X	X	X					2 Bottles
1055	11-1-06		M-114	RGW	X		X	X	X	X					2 Bottles
943	11-1-06		I-K	RGW	X		X	X	X	X					2 Bottles
950	11-1-06		I-J	RGW	X		X	X	X	X					2 Bottles
986	11-1-06		I-Z	RGW	X		X	X	X	X					2 Bottles
1002	11-1-06		I-I	RGW	X		X	X	X	X					2 Bottles
1005	11-1-06		I-V	RGW	X		X	X	X	X					2 Bottles
1116	11-1-06		M-88	RGW	X		X	X	X	X					2 Bottles
1134	11-1-06		M-12A	RGW	X		X	X	X	X					2 Bottles
1141	11-1-06		EP-2	RGW	X		X	X	X	X					3 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

Reported by Weight:

RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY: <i>Michele Brown</i>	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-1-06	12:00PM
RECEIVED BY:				
RELINQUISHED BY:				
RECEIVED BY:				



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 386-1100

(800) 566-5227

MW LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.# Quarterly Groundwater Sampling Schedule B		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)										
KERRMCGEE-MP		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)										
Sampler: Michele Brown		Susan Crowley (702) 651-2234		See Bottle Order										
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	SAMPLER Comments
553	11-1-06		M-92	RGW	X		X	X	X	X				2 Bottles
608	11-1-06		M-97	RGW	X		X	X	X	X				2 Bottles
627	11-1-06		M-93	RGW	X		X	X	X	X				2 Bottles
656	11-1-06		M-31A	RGW	X		X	X	X	X				2 Bottles
—	11-1-06		M-32	RGW	X		X	X	X	X				2 Bottles
720	11-1-06		M-50	RGW	X		X	X	X	X				2 Bottles
818	11-1-06		M-34	RGW	X		X	X	X	X				2 Bottles
834	11-1-06		M-35	RGW	X		X	X	X	X				2 Bottles
854	11-1-06		M-19	RGW	X		X	X	X	X				2 Bottles
910	11-1-06		M-39	RGW	X		X	X	X	X				4 Bottles
923	11-1-06		M-68	RGW	X		X	X	X	X				2 Bottles
945	11-1-06		M-61	RGW	X		X	X	X	X				2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-1-06	12:00PM
RELINQUISHED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

AWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.# Quarterly Groundwater Sampling Schedule B		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										☐ (check for yes)		
KERRMCGEE-MP SAMPLER Michele Brown		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)												
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments	
1030	11-2-06		M-100	RGW	X		X	X	X	X	X				3	Bottles
1050	11-2-06		M-84	RGW	X		X	X	X	X	X				3	Bottles
1105	11-2-06		M-37	RGW	X		X	X	X	X	X				5	Bottles
1119	11-2-06		M-25	RGW	X		X	X	X	X	X				4	Bottles
	11-2-06		MD-1	RGW	X		X	X	X	X	X				3	Bottles
	11-2-06		MD-2	RGW	X		X	X	X	X	X				3	Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles
				RGW	X		X	X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
GFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY:

Michele Brown

Michele Brown

Vedilla Water NA for Tronox LLC - Henderson Plant

11-2-06 12:00PM

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

IN/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

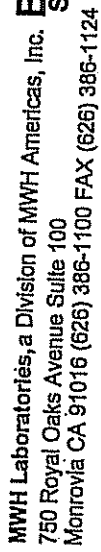
TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		(check for yes)
KERR/MCGEE-MP		Quartely Groundwater Sampling			
Sampler Michele Brown		Schedule B			

Sampler Michelle Brown Susan Crowley Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009 (702) 651-2234																					
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order							SAMPLER Comments
6116	11-3-06		M-22A	RGW	X		X	X	X	X											2 Bottles
630	11-3-06		M-89	RGW	X		X	X	X	X											2 Bottles
643	11-3-06		M-17A	RGW	X		X	X	X	X											2 Bottles
714	11-3-06		M-116	RGW	X		X	X	X	X											2 Bottles
723	11-3-06		M-115	RGW	X		X	X	X	X											2 Bottles
745	11-3-06		M-115	RGW	X		X	X	X	X											2 Bottles
802	11-3-06		M-14A	RGW	X		X	X	X	X											2 Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles

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

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	PRINT NAME Michele Brown	COMPANY/TITLE Veolia Water NA for Tronox LLC - Henderson Plant	DATE 11-3-06	TIME 12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					



**Bottle Order for Ironox LLC-Henderson,
Standing**

Page 1 of 30943

Client Code KERRMCCEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Andrew Eaton..... Your MWL Project Manager
(626) 388-1125..... Direct Phone/Voice Mail

SO# 30943 26973 RS

Sampler: Please Return this Paper with your samples

Created by ADE

Order Date	07/06/2015	Tronox LLC-Veolia Water Gate 1 8000 West Lake Mead Drive Henderson, NV 89015
Date Needed by Client		

Send Report to
Ironox, LLC, Henderson Plant
P.O. Box 55
Henderson, NV 89009

Billing Address
Tranox, LLC
P.O. Box 3049
Livonia, MI 48150

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

# of Samples	Tests
100	100
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000

Bottles-Qty for each sample, type & preservative if any

Important Comments

普

1 250ml poly acid rinsed + 1ml HNO3 (18%)

QUARTERLY SAMPLING -
PLEASE PUT LABELS ON
BOTTLES; PLEASE PUT IN 4
COOLERS SINCE SAMPLING
TAKES 3-4 DAYS

second quarter only

NOTIFY LAB AS SOON AS
CR-VI COMES IN.- 24HR ht

TDS count increased to 101
effective 6/16/06

[illegible]



MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Client Code KERRMCGEE-MP Q Quarterly
Project Code CLO4
PO# / Job#
Blanket PO

Andrew Eaton Your MWL Project Manager
(626) 386-1125 Direct Phone/Voice Mail

SO# 32046 6529 RS

Sampler: Please Return this Paper with your samples

Created by 0 Ship Sample Kits to

Order Date 09/11/06
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

Date Needed
by Client

Date Samples
to Arrive at MWL

SHIP LOCATION

of Samples Tests

ATTN: Susan Crowley
PHONE: 702-651-2234

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Bottles-Qty for each sample, type & preservative if any

Quote#

UN#

Important Comments

This is a quarterly sample for the
"M-10 by the NPDES permit
NV0023060

1 CR, MN, FE, B

1 CL, TDS, NO3, NO2-N, N-INOR

1 NH3, NH3-DIST

1 250ml poly acid rinsed + 1ml HNO3 (19%)

1 500 ml poly, no preservative SHORT HOLDING TIME!!!!

1 250 ml poly+ 1 ml H2SO4 (50%)

UN2031

UN2796

CLIENT CODE CHANGED
7/25/03

changed 12/8/05- dropped Cu,
Mo, F as per new permit and
changed metals to all ICP

Prepared By

Carrier Qty of Coolers Tracking Number

Date Shipped

Status

ActiveCode



Groundwater Field Log

This Section Contains:

- Water Sampling Field Logs

Water Sampling Field Log

Well No.: 1- AR

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 0006

Well Information:

Total Well Depth: 45.00 feet Time: 639

Depth to Water: 29.07 feet

Height of Water Column (L): 15.93 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>640</u>	<u>9.09 mS</u>	<u>23.2°C</u>	<u>7.15</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection -

Time Start: 641

Time Finished: 641

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.:

1-B

Project No.:

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date:

10-31-06

Sampling Method:

Sample taken from spigot on treatment system discharge line

Weather Conditions:

COOL

Well Information:

Total Well Depth:

45.70 feet

Time:

611

Depth to Water:

33.06 feet

Height of Water Column (L):

12.64 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
612	7.10mS	23.1°C	7.18 23.1 mB	Clear

Sample Appearance:

Clear

Sample Collection -

Time Start:

615

Time Finished:

615

Analyses:

pH / CLO4 / CR / TDS

Bottles:

2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- C

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 602

Depth to Water: 32.81 feet

Height of Water Column (L): 10.99 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>603</u>	<u>10.35 mS</u>	<u>22.3°C</u>	<u>7.25</u>	<u>Very light yellow</u>

Sample Appearance: very light yellow

Sample Collection - Time Start: 604 Time Finished: 604

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 600

Depth to Water: 28.94 feet

Height of Water Column (L): 18.76 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>601</u>	<u>10.74 mS</u>	<u>22.7°C</u>	<u>7.16</u>	<u>light yellow</u>

Sample Appearance: _____

light yellow

Sample Collection -

Time Start: 602

Time Finished: 602

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- E

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 46.70 feet Time: 553

Depth to Water: 43.83 feet

Height of Water Column (L): 2.87 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>554</u>	<u>11.24 mS</u>	<u>22.8°C</u>	<u>6.89</u>	<u>Very light yellow</u>

Sample Appearance: Very light yellow

Sample Collection - Time Start: 555 Time Finished: 555

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- F

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.80 feet Time: 549

Depth to Water: 26.02 feet

Height of Water Column (L): 19.78 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>550</u>	<u>14.89mS</u>	<u>23.0°C</u>	<u>6.99</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 551 Time Finished: 551

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- G

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 42.60 feet

Time: _____

Depth to Water: 28.80 feet

Height of Water Column (L): 13.80 feet

*No sample
taken
O/S*

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
_____	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-IH

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 46.50 feet Time: 539

Depth to Water: 33.71 ~~25~~ feet

Height of Water Column (L): 12.79 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:40</u>	<u>1670 μS</u>	<u>23.7°C</u>	<u>6.83</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection -

Time Start: 541

Time Finished: 541

Analyses: pH / CLO₄ / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- I

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 44.20 feet Time: 10:00

Depth to Water: 24.14 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>10:01</u>	<u>13.01ms</u>	<u>7.18</u>	<u>24.0°C</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 1002 Time Finished: 1002

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: ~~MB~~ 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 100 L

Well Information:

Total Well Depth: 44.50 feet Time: 948

Depth to Water: 42.15 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>949</u>	<u>682 ms</u>	<u>23.3°C</u>	<u>7.28</u>	<u>light yellow tinge</u>

Sample Appearance: _____

Sample Collection -

Time Start: 950

Time Finished: 950

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-K

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 31.70 feet Time: 938

Depth to Water: 36.33 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>9:39</u>	<u>688mS</u>	<u>23.2°C</u>	<u>7.39</u>	<u>clear</u>

Sample Appearance: _____

Sample Collection - Time Start: 940 Time Finished: 940

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- L

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 4340 feet Time: 606

Depth to Water: 25.63 feet

Height of Water Column (L): 17.77 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>607</u>	<u>8.89 mS</u>	<u>23.2°C</u>	<u>6.96</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 609 Time Finished: 609

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.70 feet Time: 556

Depth to Water: 29.85 feet

Height of Water Column (L): 13.85 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>557</u>	<u>10.94 mS</u>	<u>22.9°C</u>	<u>7.07</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 558 Time Finished: 558

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- N

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 41.70 feet Time: 551

Depth to Water: 29.12 feet

Height of Water Column (L): 12.58 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>552</u>	<u>12.38 mS</u>	<u>22.3°C</u>	<u>6.93</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 553 Time Finished: 553

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J-0

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 531

Depth to Water: 37.80 feet

Height of Water Column (L): 6.00 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>532</u>	<u>1464 mS</u>	<u>21.5°C</u>	<u>6.56</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 533 Time Finished: 533

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-P

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 41.80 feet Time: 536

Depth to Water: 41.80 feet

Height of Water Column (L): 6.00 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>537</u>	<u>1624 mS</u>	<u>21.7°C</u>	<u>6.75</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection -

Time Start: 539

Time Finished: 539

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Q

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 5:46

Depth to Water: 29.28 feet

Height of Water Column (L): 14.52 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>547</u>	<u>17.06 mS</u>	<u>25.1°C</u>	<u>6.96</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 548 Time Finished: 548

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-R

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.30 feet Time: 609

Depth to Water: 34.23 feet

Height of Water Column (L): 11.07 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>610</u>	<u>9.35mS</u>	<u>22.9°C</u>	<u>6.96</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 611 Time Finished: 611

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-S

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 604

Depth to Water: 28.66 feet

Height of Water Column (L): 19.04 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>605</u>	<u>8.69mS</u>	<u>22.7°C</u>	<u>7.27</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 606 Time Finished: 606

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- 4-T

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.80 feet Time: _____

Depth to Water: 28.66 feet

Height of Water Column (L): 19.14 feet

ds
NO sample
taken

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
_____	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- U

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cool

Well Information:

Total Well Depth: 47.60 feet Time: 541

Depth to Water: 41.67 feet

Height of Water Column (L): 5.93 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:42</u>	<u>16.80 mS</u>	<u>23.8°C</u>	<u>6.75</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 543 Time Finished: 543

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-✓

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 10:03

Depth to Water: 31.33 feet

Height of Water Column (L): 16.37 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>1004</u>	<u>13.49mS</u>	<u>23.8°C</u>	<u>7.25</u>	<u>yellow</u>

Sample Appearance: (yellow)

Sample Collection - Time Start: 1005 Time Finished: 1005

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1- Z

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 37.00 feet Time: 952

Depth to Water: 34.00 feet

Height of Water Column (L): 3.0 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>955</u>	<u>251 mS</u>	<u>23.4°C</u>	<u>7.30</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 956 Time Finished: 956

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: M-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-31-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" @

Weather Conditions: Warm

Well Information:

Total Well Depth: 69.45 feet Time: 950

Depth to Water: 48.72 feet

Well Diameter (circle one)
2-in. 4-in. 6-in.

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 20.73 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 30.4 gal. * 3 = 91

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1000</u>	---	---	---	---	---
<u>1025</u>	<u>30</u> gal	<u>7.11</u>	<u>4.04 mS</u>	<u>24.5°</u>	<u>very slightly cloudy</u>
<u>1044</u>	<u>60</u> gal	<u>7.40</u>	<u>4.01 mS</u>	<u>24.2°</u>	<u>clear</u>
<u>1102</u>	<u>91</u> gal	<u>7.34</u>	<u>3.96 mS</u>	<u>24.5°</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: _____

Sample Collection -

Time Start: 1104

Time Finished: 1104

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

*extra
cooler
collected
H2O2S*

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" @

Weather Conditions: Warm

Well Information:

Total Well Depth: 58.00 feet Time: 1123

Depth to Water: 43.38 feet

Well Diameter (circle one) 6-in

Well Volume (WV) 21.49 gal. * 3 = 65 gal

Purge Factor 3

Purge Volume 65 gal

Height of Water Column (L): 14.62 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 21.49 gal. * 3 = 65 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1130</u>					
<u>1139</u>	<u>22</u> gal	<u>7.83</u>	<u>4.21 mS</u>	<u>24.7°C</u>	<u>Very slight yellow tint</u>
<u>1155</u>	<u>42</u> gal	<u>7.84</u>	<u>4.23 mS</u>	<u>25.1°C</u>	<u>same</u>
<u>1213</u>	<u>63</u> gal	<u>7.81</u>	<u>4.17 mS</u>	<u>24.2°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1215 Time Finished: 1215

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

EB-1
taken here
3 btl 1223

Dup EC
reading
taken here

Water Sampling Field Log

Well No.: M-12A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O ☐

Weather Conditions: cool 58°F

Well Information:

Total Well Depth: 50.00 feet Time: 1124

Depth to Water: 42.35 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Height of Water Column (L): 7.65 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.22 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1127</u>	_____	_____	_____	_____	_____
<u>1129</u>	<u>2</u> gal	<u>7.82</u>	<u>9.14 mS</u>	<u>21.9°C</u>	<u>yellow</u>
<u>1131</u>	<u>3</u> gal	<u>7.76</u>	<u>8.89 mS</u>	<u>22.9°C</u>	<u>yellow</u>
<u>1132</u>	<u>4</u> gal	<u>7.71</u>	<u>8.80 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: light yellow

Sample Collection - Time Start: 1134 Time Finished: 1134

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

EB-2
taken
here
3
bottles
1141

Water Sampling Field Log

Well No.: M-14A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 42.40 feet Time: 152

Depth to Water: 32.08 feet

Well Diameter (circle one) ☐ 2-in. ☐ 4-in. ☐ 6-in. Well Volume (WV) 1.65 gal. * 3 = 5 gal

Height of Water Column (L): 10.32 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>754</u>	—	—	—	—	—
<u>756</u>	<u>2 gal</u>	<u>7.47</u>	<u>4.45 mS</u>	<u>22.1°C</u>	<u>cloudy</u>
<u>759</u>	<u>4 gal</u>	<u>7.42</u>	<u>4.44 mS</u>	<u>22.3°C</u>	<u>clearing</u>
<u>800</u>	<u>5 gal</u>	<u>7.40</u>	<u>4.42 mS</u>	<u>23.0°C</u>	<u>slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 802 Time Finished: 802

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: Dup EC reading taken here 4.43 23.2°C

Water Sampling Field Log

Well No.: M-17A

Project No.: _____

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-3-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 37.00 feet

Time: 6:37

Depth to Water: 33.04 feet

Well Diameter (circle one)
2-in. 4-in. 6-in.

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 396 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .63 gal. * 3 = 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:38</u>	---	---	---	---	---
<u>6:40</u>	<u>1</u> gal	<u>7.04</u>	<u>13.89 mS</u>	<u>19.7°C</u>	<u>yellowish very cloudy</u>
<u>6:41</u>	<u>1.5</u> gal	<u>7.04</u>	<u>14.42 mS</u>	<u>21.0°C</u>	<u>yellow clearer</u>
<u>6:42</u>	<u>2</u> gal	<u>7.05</u>	<u>14.58 mS</u>	<u>21.4°C</u>	<u>yellow slightly cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow very slightly cloudy

Sample Collection -

Time Start: 6:43

Time Finished: 6:43

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-18

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-1-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 29.80 feet

Time: 11:00

Depth to Water: 28.30 feet

Well Diameter (circle one)
2-in 4-in. 6-in

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 28.30 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .24 gal. * 3 = 1.50

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: M-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 41.20 feet Time: 842

Depth to Water: 35.72 feet

Well Diameter (circle one) 2-in. 4-in. 6-in

Height of Water Column (L): 5.48 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .87 gal. * 3 = 3 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>846</u>	_____	_____	_____	_____	_____
<u>848</u>	<u>1</u> gal	<u>7.80</u>	<u>3.78 mS</u>	<u>20.8°C</u>	<u>clear</u>
<u>849</u>	<u>2</u> gal	<u>7.52</u>	<u>4.59 mS</u>	<u>21.2°C</u>	<u>clear</u>
<u>850</u>	<u>3</u> gal	<u>7.45</u>	<u>5.31 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>851</u>	<u>4</u> gal	<u>7.39</u>	<u>5.50 mS</u>	<u>21.7°C</u>	<u>clear</u>
<u>852</u>	<u>5</u> gal	<u>7.37</u>	<u>5.59 mS</u>	<u>21.9°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: 854 Time Finished: 854

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

*Removed
bailer to
near DTW*

Water Sampling Field Log

Well No.: M-22A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: COOL 51°F

Well Information:

Total Well Depth: 36.92 feet Time: 6.04

Depth to Water: 30.13 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 6.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.03 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>605</u>	---	---	---	---	---
<u>609</u>	<u>1</u> gal	<u>6.98</u>	<u>15.10 mS</u>	<u>18.9°C</u>	<u>yellow</u>
<u>611</u>	<u>2</u> gal	<u>6.93</u>	<u>15.60 mS</u>	<u>21.1°C</u>	<u>yellow</u>
<u>613</u>	<u>3</u> gal	<u>6.97</u>	<u>15.64 mS</u>	<u>22.2°C</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection -

Time Start: 616

Time Finished: 616

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-23

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: WARM 74°F

Well Information:

Total Well Depth: 44.47 feet Time: 11:36
 Depth to Water: 24.98 feet
 Height of Water Column (L): 19.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.11 gal. * 3 = 9 gal

Well Diameter (circle one) 2-in. 4-in. 6-in.
 Well Volume (VV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1137</u>	---	---	---	---	---
<u>1140</u>	<u>3</u> gal	<u>7.47</u>	<u>5.56 mS</u>	<u>25.8°C</u>	<u>clear</u>
<u>1142</u>	<u>6</u> gal	<u>7.39</u>	<u>5.50 mS</u>	<u>24.7°C</u>	<u>clear</u>
<u>1144</u>	<u>9</u> gal	<u>7.35</u>	<u>5.33 mS</u>	<u>24.3°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection -

Time Start: 1145

Time Finished: 1145

Analyses:

pH / CLO4 / CR / TDS
2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

Bottles:

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-25

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm 64°F

Well Information:

Total Well Depth: 41.47 feet

Time: 1110

Depth to Water: 32.18 feet

Well Diameter (circle one)
(2-in) 4-in. 6-in.

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 9.29 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.48 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1113</u>	---	---	---	---	---
<u>1115</u>	<u>2</u> gal	<u>6.92</u>	<u>10.30 mS</u>	<u>23.5°C</u>	<u>light yellow</u>
<u>1116</u>	<u>3</u> gal	<u>7.00</u>	<u>10.37 mS</u>	<u>23.7°C</u>	<u>light yellow</u>
<u>1118</u>	<u>4</u> gal	<u>7.04</u>	<u>10.43 mS</u>	<u>23.7°C</u>	<u>light yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: light yellow

Sample Collection -

Time Start: 1119

Time Finished: 1119

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-31A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool 52°F

Well Information:

Total Well Depth: 55.00 feet Time: 648

Depth to Water: 47.03 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 7.97 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.27 gal. * 3 = 4 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>650</u>	---	---	---	---	---
<u>652</u>	<u>2</u> gal	<u>7.21</u>	<u>9.46 mS</u>	<u>19.8°C</u>	<u>light yellow</u>
<u>653</u>	<u>3</u> gal	<u>7.10</u>	<u>10.12 mS</u>	<u>21.3°C</u>	<u>light yellow</u>
<u>654</u>	<u>4</u> gal	<u>7.09</u>	<u>10.27 mS</u>	<u>21.7°C</u>	<u>light yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: light yellow

Sample Collection - Time Start: 6:56 Time Finished: 6:56

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-32

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 46.76 feet Time: 701

Depth to Water: _____ feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 41.83 feet Time: 810

Depth to Water: 37.63 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 4.20 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 167 gal. * 3 = 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>813</u>	---	---	---	---	---
<u>814</u>	<u>1</u> gal	<u>7.32</u>	<u>12.11 mS</u>	<u>20.9°C</u>	<u>light yellow</u>
<u>815</u>	<u>1.5</u> gal	<u>7.18</u>	<u>12.12 mS</u>	<u>21.5°C</u>	<u>yellow</u>
<u>816</u>	<u>2</u> gal	<u>7.15</u>	<u>12.14 mS</u>	<u>21.7°C</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection - Time Start: 818 Time Finished: 818

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-35

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 42.33 feet

Time 826

Depth to Water: 35.67 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in

Well
Volume (VV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 6.66 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.06 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>828</u>	_____	_____	_____	_____	_____
<u>830</u>	<u>1</u> gal	<u>7.11</u>	<u>9.19 mS</u>	<u>22.4°C</u>	<u>Very light yellow</u>
<u>831</u>	<u>2</u> gal	<u>7.06</u>	<u>9.13 mS</u>	<u>23.9°C</u>	<u>same</u>
<u>832</u>	<u>3</u> gal	<u>7.06</u>	<u>9.96 mS</u>	<u>24.7°C</u>	<u>same</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: Very light yellow

Sample Collection -

Time Start: 834

Time Finished: 834

Analyses: pH / CLO4 / CR / TDS
 Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-36

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: _____

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer ☒ Ready Flo 2" O

Weather Conditions: Warm

Well Information:

Total Well Depth: 37.85 feet Time: 959

Depth to Water: 31.90 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Well Volume (WV) 95 gal. * Purge Factor 3 = Purge Volume 3 gal

Height of Water Column (L): 5.95 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>959</u>	_____	_____	_____	_____	_____
<u>1003</u>	<u>1</u> gal	<u>7.0</u>	<u>16.59 mS</u>	<u>23.7°C</u>	<u>yellow</u>
<u>1008</u>	<u>2</u> gal	<u>6.98</u>	<u>16.63 mS</u>	<u>23.3°C</u>	<u>yellow</u>
<u>1012</u>	<u>3</u> gal	<u>7.03</u>	<u>16.51 mS</u>	<u>23.4°C</u>	<u>yellow</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: yellow

Sample Collection -

Time Start: 1015

Time Finished: 1015

Analyses: pH / CLO4 / CR / TDS
 Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

*now deal
baker due to
reaction*

Water Sampling Field Log

Well No.: M-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: Windy 64°F

Well Information:

Total Well Depth: 37.18 feet Time: 1059

Depth to Water: 31.08 feet

Well Diameter (circle one) 2-in 4-in. 6-in.

Height of Water Column (L): 6.10 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 97 gal. * 3 = 3 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1100</u>	---	---	---	---	---
<u>1101</u>	<u>1 gal</u>	<u>7.29</u>	<u>8.11 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>1103</u>	<u>2 gal</u>	<u>7.10</u>	<u>8.53 mS</u>	<u>24.0°C</u>	<u>clear</u>
<u>1104</u>	<u>3 gal</u>	<u>7.07</u>	<u>8.66 mS</u>	<u>24.2°C</u>	<u>clear</u>
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---

Sample Appearance: clear

Sample Collection -

Time Start: 1105

Time Finished: 1105

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

Water Sampling Field Log

Well No.: M-38

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-2-06

Sampling Method: Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☒ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 36.82 feet Time: 1003

Depth to Water: 31.01 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
Height of Water Column (L): 5.81 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .92 gal. * 3 = 3 gal.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1004</u>	_____	_____	_____	_____	_____
<u>1004</u>	<u>1</u> gal	<u>7.03</u>	<u>14.31 mS</u>	<u>23.3°C</u>	<u>yellow</u>
<u>1010</u>	<u>2</u> gal	<u>7.10</u>	<u>14.67 mS</u>	<u>22.8°C</u>	<u>yellow</u>
<u>1015</u>	<u>3</u> gal	<u>7.12</u>	<u>14.66 mS</u>	<u>23.1°C</u>	<u>yellow</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: yellow

Sample Collection -

Time Start: 1018

Time Finished: 1018

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

now dead bailer due to location

Water Sampling Field Log

Well No.: m-39

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Cool

Well Information:

Total Well Depth: 42.60 feet Time: 901

Depth to Water: 31.53 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 11.07 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.77 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>903</u>	---	---	---	---	---
<u>906</u>	<u>2</u> gal	<u>7.27</u>	<u>7.69 mS</u>	<u>22.3°C</u>	<u>Very slight yellow</u>
<u>908</u>	<u>4</u> gal	<u>7.17</u>	<u>7.71 mS</u>	<u>23.2°C</u>	<u>even lighter yellow</u>
<u>909</u>	<u>5</u> gal	<u>7.10</u>	<u>7.72 mS</u>	<u>23.5°C</u>	<u>same</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: slight yellow tint

Sample Collection - Time Start: 910 Time Finished: 910

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 37.65 feet Time: 12:12

Depth to Water: 18.40 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 19.25 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.08 gal. * 3 = 9 gal

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>12:13</u>	_____	_____	_____	_____	_____
<u>12:16</u>	<u>3</u> gal	<u>7.53</u>	<u>9.51 mS</u>	<u>23.4°C</u>	<u>clear</u>
<u>12:18</u>	<u>6</u> gal	<u>7.46</u>	<u>9.36 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>12:20</u>	<u>9</u> gal	<u>7.45</u>	<u>9.43 mS</u>	<u>23.8°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 12:22 Time Finished: 12:22

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments:

FB-1 taken here 12:15

Water Sampling Field Log

Well No.: M-48

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ~~Dedicated Bailer~~ ~~Non Dedicated Bailer~~ ~~Ready Flo 2" O~~

Weather Conditions: Warm

Well Information:

Total Well Depth: 38.59 feet Time: 9:59

Depth to Water: 23.90 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 14.69 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.35 gal. * 3 = 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>9:59</u>	---	---	---	---	---
<u>10:09</u>	<u>2</u> gal	<u>7.13</u>	<u>3.48 mS</u>	<u>23.5°C</u>	<u>clear</u>
<u>10:12</u>	<u>4</u> gal	<u>7.65</u>	<u>3.47 mS</u>	<u>22.5°C</u>	<u>clear</u>
<u>10:17</u>	<u>7</u> gal	<u>7.60</u>	<u>3.56 mS</u>	<u>22.8°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection Time Start: 10:18 Time Finished: 10:18

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

*hand bailed
w/ sed bailer
debris in
way of
access*

Water Sampling Field Log

Well No.: M-50

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 62.15 feet Time: 707

Depth to Water: 46.65 feet

Well Diameter (circle one) 2-in 4-in. 6-in.
Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 1.55 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.48 gal. * 3 = 7.44 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>710</u>	----	----	----	----	
<u>712</u>	<u>2</u> gal	<u>7.14</u>	<u>14.97 mS</u>	<u>18.7°C</u>	<u>yellow</u>
<u>715</u>	<u>4</u> gal	<u>7.12</u>	<u>14.93 mS</u>	<u>20.0°C</u>	<u>yellow</u>
<u>718</u>	<u>4</u> gal	<u>7.10</u>	<u>14.20 mS</u>	<u>20.2°C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection -

Time Start: 720

Time Finished: 720

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-52

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 53°F

Well Information:

Total Well Depth: 47.38 feet Time: 6:04

Depth to Water: 40.87 feet

Height of Water Column (L): 6.51 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.04 gal. * 3 = 3 gal

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:09</u>	—	—	—	—	—
<u>6:11</u>	<u>1 gal</u>	<u>6.56</u>	<u>8.41 mS</u>	<u>19.3°C</u>	<u>cloudy yellow</u>
<u>6:13</u>	<u>2 gal</u>	<u>6.91</u>	<u>7.75 mS</u>	<u>19.8°C</u>	<u>light yellow slightly cloudy</u>
<u>6:16</u>	<u>3 gal</u>	<u>7.03</u>	<u>7.94 mS</u>	<u>20.0°C</u>	<u>clear light yellow</u>
<u>6:19</u>	<u>4 gal</u>	<u>7.15</u>	<u>7.84 mS</u>	<u>20.0°C</u>	<u>light yellow</u>
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear light yellow

Sample Collection -

Time Start: 6:20

Time Finished: 6:20

Analyses:

pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles:

2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-57A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-31-06

Sampling Method: ☒ Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 42.40 feet

Time: 804

Depth to Water: 29.23 feet

Well Diameter (circle one)
2-in. 4-in. 6-in.

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 13.17 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.10 gal. * 3 = 6.30 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
805					
807	2 gal	7.46	4.14 mS	21.9°C	clear
809	4 gal	7.45	4.18 mS	23.0°C	clear
810	6 gal	7.46	4.19 mS	23.2°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection -

Time Start: 811

Time Finished: 811

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

*ED-1 taken here
3 bottles
NO to early for
analysis*

Water Sampling Field Log

Well No.: m-61

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: 000L

Well Information:

Total Well Depth: 41.00 feet Time: 933

Depth to Water: 24.78 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 16.22 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.59 gal. * 3 = 8 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>935</u>	---	---	---	---	---
<u>937</u>	<u>3</u> gal	<u>7.33</u>	<u>6.16mS</u>	<u>23.40°C</u>	<u>clear</u>
<u>939</u>	<u>6</u> gal	<u>7.25</u>	<u>6.30mS</u>	<u>23.70°C</u>	<u>clear</u>
<u>942</u>	<u>8</u> gal	<u>7.24</u>	<u>6.33mS</u>	<u>23.70°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection Time Start: 945 Time Finished: 945

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-64

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-31-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 38.00 feet Time: 705

Depth to Water: 29.84 feet

Height of Water Column (L): 8.16 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.30 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>708</u>	-----	-----	-----	-----	
<u>713</u>	<u>1</u> gal	<u>7.28</u>	<u>3.68 mS</u>	<u>21.1°C</u>	<u>muddy</u>
<u>715</u>	<u>2</u> gal	<u>7.28</u>	<u>5.13 mS</u>	<u>21.8°C</u>	<u>muddy</u>
<u>724</u>	<u>4</u> gal	<u>7.37</u>	<u>6.34 mS</u>	<u>20.9°C</u>	<u>muddy</u>
<u>726</u>	<u>5</u> gal	<u>7.36</u>	<u>6.85 mS</u>	<u>22.3°C</u>	<u>clearer but silty</u>
<u>729</u>	<u>6</u> gal	<u>7.36</u>	<u>7.40 mS</u>	<u>21.2°C</u>	<u>same</u>
	gal				

Sample Appearance: dark silt in sample

Sample Collection - Time Start: 730 Time Finished: 730

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

well purges dry

Water Sampling Field Log

Well No.: M-65

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 40.00 feet Time: 7:36

Depth to Water: 29.23 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 10.77 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.72 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:38</u>	---	---	---	---	---
<u>7:41</u>	<u>2</u> gal	<u>7.08</u>	<u>16.38mS</u>	<u>21.0°C</u>	<u>yellow</u>
<u>7:43</u>	<u>4</u> gal	<u>6.88</u>	<u>16.22mS</u>	<u>22.0°C</u>	<u>yellow</u>
<u>7:44</u>	<u>5</u> gal	<u>6.86</u>	<u>16.59mS</u>	<u>22.8°C</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection - Time Start: 7:45 Time Finished: 7:45

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: m-66

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 43.00 feet Time: 7:51

Depth to Water: 30.60 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Height of Water Column (L): 12.94 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.07 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>753</u>	_____	_____	_____	_____	_____
<u>755</u>	<u>2</u> gal	<u>6.77</u>	<u>16.91 mS</u>	<u>22.2°C</u>	<u>yellow</u>
<u>756</u>	<u>4</u> gal	<u>6.72</u>	<u>16.78 mS</u>	<u>23.1°C</u>	<u>yellow</u>
<u>758</u>	<u>6</u> gal	<u>6.71</u>	<u>16.83 mS</u>	<u>22.8°C</u>	<u>yellow</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: yellow

Sample Collection - Time Start: 759 Time Finished: 759

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-67

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 38.00 feet Time: 1010

Depth to Water: 22.85 feet

Well Diameter (circle one) ☒ 2-in. ☐ 4-in. ☐ 6-in

Height of Water Column (L): 15.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.42 gal. * 3 = 7.26 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1012</u>	---	---	---	---	---
<u>1014</u>	<u>2</u> gal	<u>7.24</u>	<u>8.04 mS</u>	<u>23.4°C</u>	<u>light yellow tinge</u>
<u>1016</u>	<u>4</u> gal	<u>7.19</u>	<u>8.04 mS</u>	<u>24.1°C</u>	<u>same</u>
<u>1018</u>	<u>7</u> gal	<u>7.16</u>	<u>7.98 mS</u>	<u>24.2°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow tinge

Sample Collection -

Time Start: 1020

Time Finished: 1020

Analyses:
Bottles:

pH / CLO4 / CR / TDS
2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-68

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 56°F

Well Information:

Total Well Depth: 41.00 feet Time: 916

Depth to Water: 25.61 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 15.39 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.46 gal. * 3 = 7 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>917</u>	---	---	---	---	---
<u>920</u>	<u>2</u> gal	<u>7.46</u>	<u>7.14 mS</u>	<u>22.4°C</u>	<u>clear</u>
<u>923</u>	<u>4</u> gal	<u>7.32</u>	<u>7.15 mS</u>	<u>23.0°C</u>	<u>clear</u>
<u>926</u>	<u>7</u> gal	<u>7.38</u>	<u>7.17 mS</u>	<u>23.3°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection -

Time Start: 928

Time Finished: 928

Analyses: pH / CLO4 / CR / TDS
 Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-69

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: COOL

Well Information:

Total Well Depth: 40.00 feet Time: 856

Depth to Water: 30.50 feet

Height of Water Column (L): 9.50 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.52 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>858</u>	_____	_____	_____	_____	_____
<u>900</u>	<u>2</u> gal	<u>7.30</u>	<u>6.03ms</u>	<u>23.5°C</u>	<u>clear</u>
<u>902</u>	<u>4</u> gal	<u>7.21</u>	<u>6.02ms</u>	<u>23.1°C</u>	<u>clear</u>
<u>903</u>	<u>5</u> gal	<u>7.15</u>	<u>6.02ms</u>	<u>23.4°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 905 Time Finished: 905

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-70

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: warm 61°F

Well Information:

Total Well Depth: 41.00 feet Time: 910

Depth to Water: 27.66 feet

Well Diameter (circle one) 2-in 4-in. 6-in.

Height of Water Column (L): 13.34 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.13 gal. * 3 = 6 gal

Well Volume (VV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
913	---	---	---	---	---
914	2 gal	7.18	10.10 mS	22.2°C	light yellow
915	4 gal	7.03	9.77 mS	23.1°C	light yellow
917	6 gal	7.01	9.92 mS	23.3°C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection -

Time Start: 919

Time Finished: 919

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-71

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 43.00 feet Time: 923

Depth to Water: 27.94 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 15.06 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.40 gal. * 3 = 7 gallon

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>925</u>	_____	_____	_____	_____	_____
<u>928</u>	<u>2</u> gal	<u>7.10</u>	<u>8.26 mS</u>	<u>22.7°C</u>	<u>light yellow</u>
<u>930</u>	<u>4</u> gal	<u>7.03</u>	<u>8.17 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
<u>933</u>	<u>7</u> gal	<u>7.04</u>	<u>8.15 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: 934 Time Finished: 934

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm

Well Information:

Total Well Depth: 31.00 feet Time: 936

Depth to Water: 30.24 feet

Well Diameter (circle one)
2-in. 4-in. 6-in.

Height of Water Column (L): 5.76 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .92 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
938	---	---	---	---	---
939	1 gal	7.08	849 mS	21.7°C	faint yellow tint
941	2 gal	7.0	9.59 mS	22.3°C	same
942	3 gal	7.02	9.43 mS	22.5°C	same
944	4 gal	7.07	10.35 mS	22.7°C	slightly cloudy
	gal				
	gal				

Sample Appearance: slightly cloudy light yellow

Sample Collection -

Time Start: 946

Time Finished: 946

Analyses:
Bottles:

pH / CLO4 / CR / TDS
2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

well purges dry

Water Sampling Field Log

Well No.: M-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool 56°

Well Information:

Total Well Depth: 36.00 feet Time: 10:24

Depth to Water: 28.70 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in

Height of Water Column (L): 7.3 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.16 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1026</u>	_____	_____	_____	_____	_____
<u>1029</u>	<u>2</u> gal	<u>7.65</u>	<u>3.95 mS</u>	<u>22.4°</u>	<u>slightly salty</u>
<u>1030</u>	<u>3</u> gal	<u>7.62</u>	<u>3.79 mS</u>	<u>22.8°</u>	<u>same</u>
<u>1032</u>	<u>4</u> gal	<u>7.55</u>	<u>3.71 mS</u>	<u>22.7°</u>	<u>same</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: 1034 Time Finished: 1034

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

well purges dry

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 39.00 feet Time: 1043

Depth to Water: 27.40 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 1,160 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.85 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1044</u>	—	—	—	—	—
<u>1046</u>	<u>2</u> gal	<u>7.60</u>	<u>7.49 mS</u>	<u>23.1°C</u>	<u>clear</u>
<u>1049</u>	<u>4</u> gal	<u>7.48</u>	<u>7.40 mS</u>	<u>23.2°C</u>	<u>clear</u>
<u>1053</u>	<u>6</u> gal	<u>7.47</u>	<u>7.48 mS</u>	<u>23.0°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1055 Time Finished: 1055

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-75

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 53.90 feet Time: 7:19

Depth to Water: 42.18 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 11.72 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.87 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:21</u>	---	---	---	---	---
<u>7:23</u>	<u>2</u> gal	<u>7.57</u>	<u>6.36 mS</u>	<u>21.1°C</u>	<u>slight yellow tinge</u>
<u>7:25</u>	<u>4</u> gal	<u>7.57</u>	<u>6.48 mS</u>	<u>21.9°C</u>	<u>same</u>
<u>7:27</u>	<u>6</u> gal	<u>7.48</u>	<u>6.45 mS</u>	<u>22.5°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: slight yellow tinge

Sample Collection -

Time Start: 7:28

Time Finished: 7:28

Analyses:
Bottles:

pH / CLO4 / CR / TDS
2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-76

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: ☒ Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 54.60 feet Time: 6:56

Depth to Water: 38.74 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 15.86 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.53 gal. * 3 = 8 gal

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:59</u>	---	<u>7.58</u>	---	---	---
<u>7:01</u>	<u>3</u> gal	<u>5.34</u>	<u>5.36 mS</u>	<u>20.7°C</u>	<u>Very slightly cloudy</u>
<u>7:07</u>	<u>6</u> gal	<u>7.57</u>	<u>5.59 mS</u>	<u>21.3°C</u>	<u>Same</u>
<u>7:13</u>	<u>8</u> gal	<u>7.55</u>	<u>5.46 mS</u>	<u>21.8°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection -

Time Start: 7:14

Time Finished: 7:14

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-79

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: ☒ Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 37.60 feet Time: 912

Depth to Water: 26.09 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) 1.84 gal. * Purge Factor 3 = 6 gal Purge Volume

Height of Water Column (L): 11.51 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>914</u>	_____	_____	_____	_____	_____
<u>916</u>	<u>2</u> gal	<u>7.83</u>	<u>1.75 mS</u>	<u>20.1°C</u>	<u>clear</u>
<u>917</u>	<u>4</u> gal	<u>7.68</u>	<u>1.71 mS</u>	<u>20.5°C</u>	<u>clear</u>
<u>919</u>	<u>6</u> gal	<u>7.62</u>	<u>1.80 mS</u>	<u>20.7°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 920 Time Finished: 920

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-80

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 41.60 feet Time: 829

Depth to Water: 25.84 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 15.76 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	DTW ONLY
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: _____

Comments: _____

Water Sampling Field Log

Well No.: M-81A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-2-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 43.10 ^{MB} feet Time: 808

Depth to Water: 28.61 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Height of Water Column (L): 15.09 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = gal. * 3 = gal.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	DTW ONLY	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: _____

Comments: _____

Water Sampling Field Log

Well No.: M-83

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 58°F

Well Information:

Total Well Depth: 42.50 feet Time: 831

Depth to Water: 23.18 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) 3.09 gal. * Purge Factor 3 = Purge Volume 9 gal

Height of Water Column (L): 19.32 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.09 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>838</u>	-----	-----	-----	-----	
<u>840</u>	<u>3</u> gal	<u>7.50</u>	<u>2.04 mS</u>	<u>20.8°C</u>	<u>clear</u>
<u>842</u>	<u>6</u> gal	<u>7.42</u>	<u>2.03 mS</u>	<u>21.5°C</u>	<u>clear</u>
<u>844</u>	<u>9</u> gal	<u>7.45</u>	<u>2.01 mS</u>	<u>21.4°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection Time Start: 846 Time Finished: 846

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: m-84

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 36.60 feet Time: 1038 ^{MB}

Depth to Water: 22.50 feet

Well Diameter (circle one) 2-in 4-in. 6-in. Well Volume (VV) 2.25 gal. * 3 = 1 gallons

Height of Water Column (L): 14.10 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1040	---	---	---	---	---
1042	2 gal	7.73	1.37 mS	19.3°C	clear
1045	4 gal	7.66	1.38 mS	19.7°C	clear
1047	7 gal	7.58	1.39 mS	19.6°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection -

Time Start: 1050

Time Finished: 1050

Analyses: pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments:

MD-2 taken here 3 btl

Water Sampling Field Log

Well No.: M-85

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: ☒ Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 38.87 feet Time: 806

Depth to Water: 25.60 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) 2.12 gal. * 3 = 6 gal

Height of Water Column (L): 13.27 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>807</u>	---	---	---	---	---
<u>810</u>	<u>2</u> gal	<u>7.88</u>	<u>1.24 mS</u>	<u>20.2°C</u>	<u>clear</u>
<u>812</u>	<u>4</u> gal	<u>7.80</u>	<u>1.24 mS</u>	<u>20.2°C</u>	<u>clear</u>
<u>814</u>	<u>6</u> gal	<u>7.75</u>	<u>1.31 mS</u>	<u>20.2°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 816 Time Finished: 816

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.:

M-86

Project No.:

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date:

11-2-06

Sampling Method:

Electric Pump ☒

Dedicated Bailer ☐

Non Dedicated Bailer ☐

Ready Flo 2" ☐

Weather Conditions:

cool

Well Information:

Total Well Depth:

43.60 feet

Time:

750

Depth to Water:

29.89 feet

Well Diameter (circle one)

2-in. ☒

4-in. ☐

6-in. ☐

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L):

13.11 feet

* 0.16 gal/ft

* 0.65 gal/ft

* 1.47 gal/ft

= 2.09 gal.

* 3

= 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
751	---	---	---	---	---
754	2 gal	7.49	4.34 mS	19.2°C	clear
755	4 gal	7.35	4.33 mS	20.1°C	clear
756	6 gal	7.30	4.38 mS	20.7°C	clear
	gal				
	gal				
	gal				

Sample Appearance:

clear

Sample Collection -

Time Start:

758

Time Finished:

758

Analyses:

pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles:

2 Bottles

3 Bottles

NO3 / CLO3

2 bottles

TOTAL BOTTLES:

2

Comments:

Water Sampling Field Log

Well No.: M-87

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 41.00 feet Time: 629

Depth to Water: (MD) 34.33 feet

Well Diameter (circle one) 2-in 4-in. 6-in

Height of Water Column (L): 6.67 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.06 gal. * 3 = 3 gal

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>638</u>	_____	_____	_____	_____	_____
<u>639</u>	<u>1</u> gal	<u>7.43</u>	<u>2.02 mS</u>	<u>19.0°</u>	<u>clear</u>
<u>640</u>	<u>2</u> gal	<u>7.39</u>	<u>2.28 mS</u>	<u>20.7°</u>	<u>clear</u>
<u>641</u>	<u>3</u> gal	<u>7.40</u>	<u>2.38 mS</u>	<u>21.2°</u>	<u>clear</u>
<u>642</u>	<u>4</u> gal	<u>7.40</u>	<u>2.44 mS</u>	<u>21.5°</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 643 Time Finished: 643

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-88

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Cool

Well Information:

Total Well Depth: 39.00 feet Time: 1107

Depth to Water: 30.61 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 8.39 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.34 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:10</u>	---	---	---	---	---
<u>11:12</u>	<u>2</u> gal	<u>7.54</u>	<u>8.70 mS</u>	<u>22.5°C</u>	<u>clear</u>
<u>11:13</u>	<u>3</u> gal	<u>7.34</u>	<u>8.64 mS</u>	<u>23.4°C</u>	<u>clear</u>
<u>11:14</u>	<u>4</u> gal	<u>7.31</u>	<u>8.67 mS</u>	<u>23.6°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 1116 Time Finished: 1116

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-89

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-3-06

Sampling Method: ☒ Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 39.00 feet

Time: 621

Depth to Water: 33.37 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in

Well
Volume (VV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 5.63 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .90 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>622</u>	---	---	---	---	---
<u>623</u>	<u>1</u> gal	<u>6.95</u>	<u>12.67 mS</u>	<u>19.2°</u>	<u>yellow</u>
<u>625</u>	<u>2</u> gal	<u>6.90</u>	<u>14.00 mS</u>	<u>21.0°</u>	<u>yellow</u>
<u>626</u>	<u>3</u> gal	<u>6.90</u>	<u>14.21 mS</u>	<u>22.1°</u>	<u>yellow</u>
<u>628</u>	<u>4</u> gal	<u>6.93</u>	<u>13.86 mS</u>	<u>21.8°</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection -

Time Start: 630

Time Finished: 630

Analyses:

pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles:

2 Bottles

3 Bottles

NO3 / CLO3

2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-92

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 51°F

Well Information:

Total Well Depth: 48.50 feet

Time: 543

Depth to Water: 36.96 feet

Height of Water Column (L): 11.54 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.84 gal. * 3 = 6

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>545</u>	---	---	---	---	---
<u>548</u>	<u>2</u> gal	<u>6.87</u>	<u>2.48 mS</u>	<u>20.3°C</u>	<u>clear</u>
<u>550</u>	<u>4</u> gal	<u>7.06</u>	<u>2.54 mS</u>	<u>20.6°C</u>	<u>clear</u>
<u>552</u>	<u>6</u> gal	<u>7.15</u>	<u>2.54 mS</u>	<u>21.3°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection -

Time Start: 553

Time Finished: 553

Analyses:

pH / CLO4 / CR / TDS

pH / CLO4 / CR6 / TDS / CR

Bottles:

2 Bottles

3 Bottles

NO3 / CLO3

2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-93

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 49.00 feet Time: 613

Depth to Water: 35.88 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 13.12 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.09 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>618</u>	_____	_____	_____	_____	_____
<u>621</u>	<u>2</u> gal	<u>7.45</u>	<u>4.01 mS</u>	<u>19.6°C</u>	<u>cloudy</u>
<u>624</u>	<u>4</u> gal	<u>7.49</u>	<u>3.83 mS</u>	<u>20.7°C</u>	<u>slightly cloudy</u>
<u>626</u>	<u>6</u> gal	<u>7.50</u>	<u>3.85 mS</u>	<u>21.1°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 627 Time Finished: 627

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: m-94

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 21.60 feet Time: 11:55

Depth to Water: 11.40 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 10.20 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.63 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1156</u>	---	---	---	---	---
<u>1159</u>	<u>2</u> gal	<u>7.35</u>	<u>9.03 mS</u>	<u>24.1°C</u>	<u>clear</u>
<u>1204</u>	<u>4</u> gal	<u>7.34</u>	<u>8.48 mS</u>	<u>24.7°C</u>	<u>clear</u>
<u>1206</u>	<u>5</u> gal	<u>7.31</u>	<u>8.74 mS</u>	<u>24.4°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 1207 Time Finished: 1207

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-95

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm 61°F

Well Information:

Total Well Depth: 30.00 feet Time: 903

Depth to Water: 9.90 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 20.10 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 321 gal. * 3 = 10 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>904</u>	---	---	---	---	---
<u>906</u>	<u>4</u> gal	<u>7.39</u>	<u>8.72 mS</u>	<u>23.6°C</u>	<u>clear</u>
<u>908</u>	<u>7</u> gal	<u>7.39</u>	<u>8.85 mS</u>	<u>24.1°C</u>	<u>clear</u>
<u>910</u>	<u>10</u> gal	<u>7.39</u>	<u>8.82 mS</u>	<u>24.5°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 911 Time Finished: 911

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-96

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 16.90 feet Time: 8:52

Depth to Water: 9.93 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 6.97 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.11 gal. * 3 = 3 gal.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>853</u>	_____	_____	_____	_____	_____
<u>855</u>	<u>1</u> gal	<u>7.65</u>	<u>8.07 mS</u>	<u>24.6°C</u>	<u>Very dirty</u>
<u>856</u>	<u>2</u> gal	<u>7.41</u>	<u>8.06 mS</u>	<u>24.3°C</u>	<u>clearing</u>
<u>858</u>	<u>3</u> gal	<u>7.38</u>	<u>8.12 mS</u>	<u>25.0°C</u>	<u>cloudy</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: cloudy

Sample Collection - Time Start: 859 Time Finished: 859

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

removed Bailer to need DTW

Water Sampling Field Log

Well No.: M-91

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 52.50 feet Time: 558

Depth to Water: 40.07 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 12.43 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.98 gal. * 3 = 6

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>600</u>	---	---	---	---	---
<u>603</u>	<u>2</u> gal	<u>7.09</u>	<u>5.00</u> mS	<u>19.8°</u>	<u>clear</u>
<u>604</u>	<u>4</u> gal	<u>7.11</u>	<u>4.97</u> mS	<u>20.9°</u>	<u>clear</u>
<u>606</u>	<u>6</u> gal	<u>7.13</u>	<u>5.03</u> mS	<u>20.9°</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 608 Time Finished: 608

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: m-98

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 33.40 feet Time: 825

Depth to Water: 30.00 feet

Well Diameter (circle one) 2-in. 4-in. 6-in

Well Volume (WV) 0.54 gal. * 3 = 2 gal

Purge Factor 3

Purge Volume 2 gal

Height of Water Column (L): 3.40 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>826</u>	---	---	---	---	---
<u>831</u>	<u>1</u> gal	<u>7.41</u>	<u>5.44 mS</u>	<u>22.0°C</u>	<u>clear</u>
<u>833</u>	<u>1.5</u> gal	<u>7.38</u>	<u>5.57 mS</u>	<u>22.7°C</u>	<u>clear</u>
<u>834</u>	<u>2</u> gal	<u>7.38</u>	<u>5.56 mS</u>	<u>22.7°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 835 Time Finished: 835

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

removed bailer to get BTW reading

well purges dry

Water Sampling Field Log

Well No.: M-99

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump ☐ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 36.50 feet Time: 840

Depth to Water: 27.96 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) 1.36 gal. * 3 = 4 gal

Purge Factor 3

Purge Volume 4 gal

Height of Water Column (L): 8.54 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>841</u>	---	---	---	---	---
<u>842</u>	<u>2 gal</u>	<u>7.26</u>	<u>7.22 mS</u>	<u>21.6°C</u>	<u>clear</u>
<u>843</u>	<u>3 gal</u>	<u>7.20</u>	<u>7.37 mS</u>	<u>22.5°C</u>	<u>clear</u>
<u>845</u>	<u>4 gal</u>	<u>7.18</u>	<u>7.38 mS</u>	<u>22.6°C</u>	<u>clear</u>
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 846 Time Finished: 846

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-100

Project No.: _____

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O ☐

Weather Conditions: _____

Well Information:

Total Well Depth: 32.80 feet Time: 1025

Depth to Water: 26.27 feet

Well Diameter (circle one)
☒ 2-in. ☐ 4-in. ☐ 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 6.53 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.04 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1026</u>	_____	_____	_____	_____	_____
<u>1027</u>	<u>1</u> gal	<u>7.58</u>	<u>2.17 mS</u>	<u>17.7°</u>	<u>clear</u>
<u>1028</u>	<u>2</u> gal	<u>7.54</u>	<u>2.14 mS</u>	<u>19.8°</u>	<u>clear</u>
<u>1029</u>	<u>3</u> gal	<u>7.52</u>	<u>2.16 mS</u>	<u>20.3°</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection -

Time Start: 1030

Time Finished: 1030

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR

3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments:

MD-1 taken now 3 btl

Water Sampling Field Log

Well No.: M-101

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 31.20 feet Time: 704

Depth to Water: 28.42 feet

Well Diameter (circle one) 2-in 4-in. 6-in.
Height of Water Column (L): 2.78 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.44 gal. * 3 = 1.33

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>705</u>	_____	_____	_____	_____	_____
<u>707</u>	<u>.5</u> gal	<u>7.65</u>	<u>4.46 mS</u>	<u>17.8°C</u>	<u>slightly cloudy</u>
<u>708</u>	<u>1</u> gal	<u>7.63</u>	<u>4.38 mS</u>	<u>18.2°C</u>	<u>clear</u>
<u>710</u>	<u>1.5</u> gal	<u>7.65</u>	<u>4.44 mS</u>	<u>18.3°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: 713 Time Finished: 713

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

well purges only

Water Sampling Field Log

Well No.: M-102

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 43.50 feet Time: 649

Depth to Water: 37.50 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 6.00 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .96 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>650</u>	_____	_____	_____	_____	_____
<u>652</u>	<u>1</u> gal	<u>7.60</u>	<u>2.41 mS</u>	<u>20.3°C</u>	<u>slightly cloudy</u>
<u>653</u>	<u>2</u> gal	<u>7.57</u>	<u>2.50 mS</u>	<u>21.9°C</u>	<u>clear</u>
<u>654</u>	<u>3</u> gal	<u>7.57</u>	<u>2.52 mS</u>	<u>22.6°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection: _____ Time Start: 655 Time Finished: 655

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

*removed
bailer to
get DTW
reading*

Water Sampling Field Log

Well No.: M-115

Project No.: _____

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 11-3-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 56°F

Well Information:

Total Well Depth: 47.50 feet Time: 7:36

Depth to Water: 37.19 feet

Well Diameter (circle one)

2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 10,31 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.24 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:39</u>					
<u>M40</u>	<u>2</u> gal	<u>7.57</u>	<u>3.37 mS</u>	<u>20.4°C</u>	<u>muddy</u>
<u>M43</u>	<u>4</u> gal	<u>7.56</u>	<u>3.36 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>M44</u>	<u>5</u> gal	<u>7.52</u>	<u>3.31 mS</u>	<u>22.1°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection -

Time Start: M45

Time Finished: M45

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 4308 feet Time: 11:16

Depth to Water: 24.15 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 18.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.02 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:18</u>	---	---	---	---	---
<u>11:22</u>	<u>3</u> gal	<u>7.37</u>	<u>8.50 mS</u>	<u>23.8°C</u>	<u>clear</u>
<u>11:24</u>	<u>6</u> gal	<u>7.43</u>	<u>8.68 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>11:26</u>	<u>9</u> gal	<u>7.41</u>	<u>8.73 mS</u>	<u>24.0°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 11:24 Time Finished: 11:27

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-54

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 34.60 feet Time: 939

Depth to Water: 15.13 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
Height of Water Column (L): 19.47 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.11 gal. * 3 = 9 gal.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>939</u>	---	---	---	---	---
<u>943</u>	<u>3</u> gal	<u>7.39</u>	<u>7.40 mS</u>	<u>24.7°C</u>	<u>Slightly Cloudy</u>
<u>945</u>	<u>6</u> gal	<u>7.29</u>	<u>7.44 mS</u>	<u>25.0°C</u>	<u>Slightly Cloudy</u>
<u>947</u>	<u>9</u> gal	<u>7.28</u>	<u>7.39 mS</u>	<u>24.8°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 948 Time Finished: 948

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: WARM

Well Information:

Total Well Depth: 33.23 feet Time: 1037

Depth to Water: 22.43 feet

Well Diameter (circle one) 2-in. 4-in. 6-in

Height of Water Column (L): 10.80 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.72 gal. * 3 = 5 gal

Well Volume (VV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1039</u>	_____	_____	_____	_____	_____
<u>10:41</u>	<u>2</u> gal	<u>7.53</u>	<u>9.61 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>10:43</u>	<u>4</u> gal	<u>7.42</u>	<u>9.31 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>10:44</u>	<u>5</u> gal	<u>7.36</u>	<u>9.46 mS</u>	<u>24.5°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 10:45 Time Finished: 10:45

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm 69°F

Well Information:

Total Well Depth: 39.54 feet Time: 1049

Depth to Water: 27.64 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 11.9 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.90 gal. * 3 = 6 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1050</u>	---	---	---	---	---
<u>1052</u>	<u>2 gal</u>	<u>7.46</u>	<u>8.24 mS</u>	<u>23.5°C</u>	<u>clear</u>
<u>1054</u>	<u>4 gal</u>	<u>7.38</u>	<u>8.33 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>1056</u>	<u>6 gal</u>	<u>7.39</u>	<u>8.31 mS</u>	<u>23.8°C</u>	<u>clear</u>
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 1057 Time Finished: 1057

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: Warm

Well Information:

Total Well Depth: 49.44 feet Time: 11:01

Depth to Water: 30.26 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 19.18 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.06 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:03</u>	---	---	---	---	---
<u>11:05</u>	<u>3</u> gal	<u>7.40</u>	<u>8.01 mS</u>	<u>23.8°C</u>	<u>clear</u>
<u>11:07</u>	<u>6</u> gal	<u>7.34</u>	<u>8.16 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>11:09</u>	<u>9</u> gal	<u>7.34</u>	<u>8.29 mS</u>	<u>24.1°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 11:11 Time Finished: 11:11

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 21

Comments:

Water Sampling Field Log

Well No.: PC-123

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 45% MS

Well Information:

Total Well Depth: 34.70 feet Time: 546

Depth to Water: 23.00 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 11.70 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.87 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>548</u>	----	----	----	----	
<u>551</u>	<u>2</u> gal	<u>6.65</u>	<u>8.90 mS</u>	<u>20.9°C</u>	<u>clear</u>
<u>553</u>	<u>4</u> gal	<u>6.88</u>	<u>8.97 mS</u>	<u>21.9°C</u>	<u>clear</u>
<u>555</u>	<u>6</u> gal	<u>6.99</u>	<u>8.72 mS</u>	<u>22.1°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 556 Time Finished: 556

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: DE-124

Project No.: _____

Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 34.60 feet

Time: 6:04

Depth to Water: 24.90 feet

Height of Water Column (L): 9.70 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.55 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:06</u>	---	---	---	---	---
<u>6:08</u>	<u>2</u> gal	<u>7.29</u>	<u>3.76 mS</u>	<u>18.5°C</u>	<u>muddy</u>
<u>6:09</u>	<u>4</u> gal	<u>7.11</u>	<u>6.83 mS</u>	<u>20.1°C</u>	<u>slightly muddy</u>
<u>6:11</u>	<u>5</u> gal	<u>7.12</u>	<u>6.85 mS</u>	<u>20.9°C</u>	<u>slightly cloudy</u>
<u>6:12</u>	<u>7</u> gal	<u>7.19</u>	<u>6.93 mS</u>	<u>21.1°C</u>	<u>muddy</u>
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: muddy

Sample Collection - Time Start: 6:14 Time Finished: 6:14

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-125

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 33.50 feet Time: 6:21

Depth to Water: 23.45 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 10.05 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.50 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:22</u>	---	---	---	---	---
<u>6:24</u>	<u>2</u> gal	<u>7.21</u>	<u>7.58 mS</u>	<u>19.6°C</u>	<u>cloudy</u>
<u>6:25</u>	<u>4</u> gal	<u>7.18</u>	<u>7.33 mS</u>	<u>21.4°C</u>	<u>cloudy</u>
<u>6:26</u>	<u>5</u> gal	<u>7.21</u>	<u>7.22 mS</u>	<u>21.2°C</u>	<u>cloudy</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 6:22 Time Finished: 6:22

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-124

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 34.30 feet Time: 6:34

Depth to Water: 22.45 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 11.85 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.89 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:36</u>	_____	_____	_____	_____	_____
<u>6:37</u>	<u>2</u> gal	<u>7.18</u>	<u>12.35 mS</u>	<u>19.5°C</u>	<u>slightly cloudy</u>
<u>6:39</u>	<u>4</u> gal	<u>7.15</u>	<u>12.66 mS</u>	<u>20.6°C</u>	<u>very slightly cloudy</u>
<u>6:40</u>	<u>6</u> gal	<u>7.13</u>	<u>12.44 mS</u>	<u>21.3°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 6:42 Time Finished: 6:42

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-127

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 50°F

Well Information:

Total Well Depth: 34.70 feet Time: 6:49

Depth to Water: 19.21 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 15.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.47 gal. * 3 = 7 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:50</u>	---	---	---	---	---
<u>6:52</u>	<u>3</u> gal	<u>7.35</u>	<u>9.14 mS</u>	<u>19.6°C</u>	<u>clear</u>
<u>6:54</u>	<u>5</u> gal	<u>7.32</u>	<u>8.44 mS</u>	<u>21.4°C</u>	<u>clear</u>
<u>6:55</u>	<u>7</u> gal	<u>7.30</u>	<u>8.65 mS</u>	<u>21.5°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection -

Time Start: 6:57

Time Finished: 6:57

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

MD-3
taken here
2 btl

Water Sampling Field Log

Well No.: PC-128

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 34.70 feet

Time: 703

Depth to Water: 18.48 feet

Well Diameter (circle one)
2-in. ☒ 4-in. ☐ 6-in. ☐

Well
Volume (WV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 16.22 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.59 gal. * 3 = 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>705</u>	---	---	---	---	---
<u>707</u>	<u>3</u> gal	<u>7.48</u>	<u>5.60 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>710</u>	<u>6</u> gal	<u>7.47</u>	<u>5.69 mS</u>	<u>21.5°C</u>	<u>clear</u>
<u>712</u>	<u>8</u> gal	<u>7.45</u>	<u>5.72 mS</u>	<u>22.9°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 714 Time Finished: 714

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

MD-5
taken
here
4 bottles

changed
out
broken
lid

Water Sampling Field Log

Well No.: PC-129

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: COOL 52°F

Well Information:

Total Well Depth: 37.70 feet Time: 7:21

Depth to Water: 18.55 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) 3.06 gal. * Purge Factor 3 = Purge Volume 9 gal.

Height of Water Column (L): 19.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft =

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>722</u>	---	---	---	---	---
<u>726</u>	<u>3</u> gal	<u>7.23</u>	<u>6.55 mS</u>	<u>20.5°C</u>	<u>slightly cloudy</u>
<u>728</u>	<u>6</u> gal	<u>7.15</u>	<u>6.88 mS</u>	<u>21.7°C</u>	<u>slightly cloudy</u>
<u>731</u>	<u>9</u> gal	<u>7.13</u>	<u>7.19 mS</u>	<u>21.7°C</u>	<u>cloudy</u>
<u>733</u>	<u>11</u> gal	<u>7.12</u>	<u>7.30 mS</u>	<u>21.6°C</u>	<u>cloudy</u>
<u>735</u>	<u>13</u> gal	<u>7.14</u>	<u>7.56 mS</u>	<u>21.8°C</u>	<u>cloudy</u>
	gal				

Sample Appearance: cloudy

Sample Collection - Time Start: 736 Time Finished: 736

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

MD-4
taken
here
2 bottles

Water Sampling Field Log

Well No.: PC-130

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" O ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 49.70 feet

Time: 7:40

Depth to Water: 19.10 feet

Well Diameter (circle one)

2-in.

4-in.

6-in

Well
Volume (VV)

Purge
Factor

Purge
Volume

Height of Water Column (L): 3060 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.89 gal. * 3 = 15 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>741</u>	_____	_____	_____	_____	_____
<u>745</u>	<u>5</u> gal	<u>7.22</u>	<u>7.38 ms</u>	<u>21.1°C</u>	<u>clear</u>
<u>749</u>	<u>10</u> ^{mb} gal	<u>7.25</u>	<u>7.37 ms</u>	<u>21.1°C</u>	<u>clear</u>
<u>753</u>	<u>15</u> gal	<u>7.26</u>	<u>7.35 ms</u>	<u>21.3°C</u>	<u>clear</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 754

Time Finished: 754

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool

Well Information:

Total Well Depth: 39.40 feet Time: 7:59

Depth to Water: 11.10 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) 4.52 gal. * 3 = 14 gal. Purge Factor 3 Purge Volume 14 gal.

Height of Water Column (L): 28.3 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>800</u>	---	---	---	---	---
<u>804</u>	<u>5</u> gal	<u>7.14</u>	<u>13.11 mS</u>	<u>22.0°C</u>	<u>clear</u>
<u>807</u>	<u>10</u> gal	<u>7.12</u>	<u>13.02 mS</u>	<u>23.2°C</u>	<u>clear</u>
<u>809</u>	<u>14</u> gal	<u>7.09</u>	<u>13.08 mS</u>	<u>23.5°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 811 Time Finished: 811

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-132

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford

Date: 10-30-06

Sampling Method: Electric Pump ☒ Dedicated Bailer ☐ Non Dedicated Bailer ☐ Ready Flo 2" ☐

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 39.70 feet Time: 817

Depth to Water: 9.84 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
 Height of Water Column (L): 29.83 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.77 gal. * 3 = 14 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>818</u>	-----	-----	-----	-----	
<u>821</u>	<u>5</u> gal	<u>7.32</u>	<u>12.30 mS</u>	<u>22.7°C</u>	<u>clear</u>
<u>823</u>	<u>10</u> gal	<u>7.20</u>	<u>12.58 mS</u>	<u>23.3°C</u>	<u>clear</u>
<u>825</u>	<u>14</u> gal	<u>7.19</u>	<u>12.53 mS</u>	<u>24.3°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 827 Time Finished: 827

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

replaced
broken
lid