



FIELD ACTIVITY REPORT

Report Number/Date: 13 MAY 09

| | |
|---|--------------------------------------|
| Project Name: TRONOX ANNUAL SAMPLING | Project Number: 20092544V1 |
| Report By: Darren Qualls | Personnel: D. EDUALLS / W. MCKEAG |
| Location: VARIOUS / TRONOX | Equipment: Geo sump |
| Client: Tronox LLC | Weather: WARM |

1000 AM COLLECTED SAMPLE WELL DEPTH 19.5' PC-65 WATER AT 11.7'

1040 AM COLLECTED SAMPLE FROM WELL PC-66 - WELL DEPTH 26.5' WATER AT 11.7'

1115. COLLECTED SAMPLE PC-67 WELL DEPTH 33' WATER AT 12.5'

1200 COLLECTED SAMPLE PC-28 WELL DEPTH 19.8' WATER AT 12.8'

1300 LOCATED & SAMPLED WELL PC-31 ON FOSTER ST. WELL DEPTH 46.7' WATER DEPTH 10.8'. PURGED 17.23 GALLONS.

1320 COULD NOT LOCATE PC-64

1335. LOCATED PC-40 SAMPLED WELL AT 1355. WELL DEPTH 57.5' GROUND WATER LEVEL 22.4'.

1415. ARRIVED AT TRONOX FOR STIPPLING LABEL

Printed Name/Signature:

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Groundwater Sampling Data Sheet

Well I.D. PC-28 Date: 13 MAY 09
 Sampler's Name: DQ/WM
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC
 Casing Diameter: 2" inch
 Total Well Depth: 19.8" feet
 Depth to Water: - 12.8 feet
 Water Column Thickness: = 7.0 feet
 Unit Casing Volume: x 0.16 gallon / foot
 Casing Water Volume: x 1.12 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 3.36 gallons

UNIT CASING VOLUMES
 2" = 0.16 gal/lin ft.
 4" = 0.67 gal/lin ft.
 6" = 1.47 gal/lin ft.

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 1150 | | | | | 25.5°C | 7.51 | |
| | 1152 | X | X | X | | 25.8°C | 7.54 | |
| | 1154 | X | X | X | | 26.1°C | 7.57 | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 3 1/2 Gallons
 Depth to Water at Sample Collection: 13.7
 Sample Collection Time: 1700
 Purged Dry (Y/N): N

Comments: Flow Rate = 1 gallon = 4 min



Groundwater Sampling Data Sheet

Well I.D. PC-65 Date: 13 MAY 09
 Sampler's Name: DQ/W/M
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC

UNIT CASING VOLUMES

Casing Diameter: 2 inch
 Total Well Depth: 19.5 feet
 Depth to Water: - 7.8 feet
 Water Column Thickness: = 11.7 feet
 Unit Casing Volume: x 0.14 gallon / foot
 Casing Water Volume: x 1.87 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 5.61 gallons

2" = 0.16 gal/lin ft.
 4" = 0.67 gal/lin ft.
 6" = 1.47 gal/lin ft.

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|-------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 0954 | | | | | 25.4°C | 6.91 | |
| | 0956 | X | X | X | | 24.1°C | 7.53 | |
| | 0958 | X | X | X | | 24.0°C | 7.62 | |
| | 10.00 | X | X | X | | 24.1 | 7.60 | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 5 1/2 Gallons
 Depth to Water at Sample Collection: 10.7
 Sample Collection Time: 10.05
 Purged Dry (Y/N): N

Comments: Flow RATE 1 gallon 5 min



Groundwater Sampling Data Sheet

Well I.D. PC-66 Date: 13 May 09
 Sampler's Name: DQ/WMM
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC **UNIT CASING VOLUMES**
 Casing Diameter: 2 inch 2" = 0.16 gal/lin ft.
 Total Well Depth: 26.5 feet 4" = 0.67 gal/lin ft.
 Depth to Water: - 11.7 feet 6" = 1.47 gal/lin ft.
 Water Column Thickness: = 14.8 feet
 Unit Casing Volume: x 0.16 gallon / foot
 Casing Water Volume: x 2.36 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 7.10 gallons

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|-------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 10:35 | | | | | 26.0°C | 7.43 | |
| | 10:38 | X | X | X | | 25.4°C | 7.46 | |
| | 10:41 | X | X | X | | 25.0°C | 7.47 | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 7.25 Gallons
 Depth to Water at Sample Collection: 20'
 Sample Collection Time: 10:45
 Purged Dry (Y/N): N

Comments: Flow Rate 1 gallon / 5 min



Groundwater Sampling Data Sheet

Well I.D. PC-67 Date: 13 MAY 09
 Sampler's Name: DQ/WM
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC **UNIT CASING VOLUMES**
 Casing Diameter: 2 inch 2" = 0.16 gal/lin ft.
 Total Well Depth: 33 feet 4" = 0.67 gal/lin ft.
 Depth to Water: - 12.5 feet 6" = 1.47 gal/lin ft.
 Water Column Thickness: = 20.5 feet
 Unit Casing Volume: x 0.16 gallon / foot
 Casing Water Volume: x 3.28 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 9.84 gallons

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 1100 | | | | | 27.6°C | 7.44 | |
| | 1105 | X | X | X | | 26.7°C | 7.39 | |
| | 1110 | X | X | X | | 25.7°C | 7.37 | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 10 Gallons
 Depth to Water at Sample Collection: 32.8
 Sample Collection Time: 1115
 Purged Dry (Y/N): N

Comments: 1 gallon = 5 min (Flow Rate)



Groundwater Sampling Data Sheet

Well I.D. PC-31 Date: 13 MAY 09
 Sampler's Name: DQ/wm
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC **UNIT CASING VOLUMES**
 Casing Diameter: 2 inch 2" = 0.16 gal/lin ft.
 Total Well Depth: 46.7 feet 4" = 0.67 gal/lin ft.
 Depth to Water: - 10.8 feet 6" = 1.47 gal/lin ft.
 Water Column Thickness: = 35.9 feet
 Unit Casing Volume: x 0.16 gallon / foot
 Casing Water Volume: x 5.74 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 17.23 gallons

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 1255 | | | | | 29.4c | 7.49 | cloudy |
| | 1245 | X | X | X | | 28.2c | 7.46 | SAME |
| | 1250 | X | X | X | | 28.1c | 7.46 | CLEAR |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 17.25 Gallons
 Depth to Water at Sample Collection: 10.1
 Sample Collection Time: 1300
 Purged Dry (Y/N): N

Comments: Flow RATE 1 gallon 5 min



Groundwater Sampling Data Sheet

Well I.D. PC-40 Date: 13 May 09
 Sampler's Name: DQ/wm
 Purging Equipment: _____
 Client: _____ Project No.: _____

Casing Type: PVC **UNIT CASING VOLUMES**
 Casing Diameter: 2 inch 2" = 0.16 gal/lin ft.
 Total Well Depth: 57.5 feet 4" = 0.67 gal/lin ft.
 Depth to Water: - 22.4 feet 6" = 1.47 gal/lin ft.
 Water Column Thickness: = 35.1 feet
 Unit Casing Volume: x 0.16 gallon / foot
 Casing Water Volume: x 5.61 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 16.84 gallons

| Purged (gallons) | Time | DO | Redox | Fe | Conductance (u mhos / x1000) | Temperature (Celcius) | pH | Observations |
|------------------|------|----|-------|----|------------------------------|-----------------------|------|--------------|
| | 1340 | | | | 28.1 29 | 28.1°C | 7.26 | |
| | 1343 | X | X | X | | 27.8°C | 7.30 | |
| | 1346 | X | X | X | | 27.7°C | 7.29 | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |
| | | X | X | X | | | | |

Total Water Volume Purged: 170 Gallons
 Depth to Water at Sample Collection: 22.1
 Sample Collection Time: 1355
 Purged Dry (Y/N): N

Comments: 1 GALLON = 5 MIN



MWLABS USE ONLY:

750 Royal Oaks Dr, Suite 100, Monrovia, CA 91016-3629

(626) 568-6400 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN _____ PARTIALLY FROZEN _____ THAWED _____

TO BE COMPLETED BY SAMPLER:

| | | | | | | | |
|--------------------------------------|-----------|--|--------|---|------|--|--|
| COMPANY / PROJECT NAME Tronox LLC | | PROJECT JOB # / P.O.# Annual Groundwater Sampling - April / May | | IDENTIFIER, STATE ID# Tronox LLC PO Box 55 Henderson, NV 89009 | | SAMPLER COMMENTS | |
| Sampler Daren Qualls | | Brian Ho / Susan Crowley (702) 651-2234 | | Annual Groundwater Sampling - April / May | | REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES <input type="checkbox"/> (check for yes) | |
| TIME | DATE | LOCATION | MATRIX | GRAB | COMP | ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line) | |
| | | | RGW | | | pH | |
| | | | | | | Specific Conductance | |
| | | | | | | Total Chromium | |
| | | | | | | Hexavalent Chromium | |
| | | | | | | Perchlorate, ClO ₄ | |
| | | | | | | TDS | |
| 1005 | 13 MAY 09 | PC-65 | RGW | X | | X | |
| 1045 | 13 MAY 09 | PC-66 | 11 | X | | X | |
| 1115 | 13 MAY 09 | PC-67 | 11 | X | | X | |
| 1700 | 13 MAY 09 | PC-28 | 11 | X | | X | |
| 1300 | 13 MAY 09 | PC-31 | 11 | X | | X | |
| 1355 | 13 MAY 09 | PC-40 | 11 | X | | X | |

* MATRIX TYPES:

Reported by Volume:

CFW = Chloro(fam)inated Finished Water
FW = Other Finished Water

Reported by Weight:

SO = Soil
SL = Sludge
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water
RGW = Raw Ground Water
RSW = Raw Surface Water

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Daren E. Qualls

COMPANY/TITLE: GES/SAMPLER

DATE: 13 MAY 09 TIME: 1430

RECEIVED BY: _____

RELINQUISHED BY: _____

RECEIVED BY: _____

From: Origin ID: LASA (702) 651-2234
Susan Crowley
Tronox
8000 West Lake Mead Parkway

Henderson, NV 89015



J00110201302823

Ship Date: 13MAY09
ActWgt: 50.0 LB
CAD: 7219287/INET9011
Account#: S *****

Delivery Address Bar Code



Ref # annual water sampling-10181.23
Invoice #
PO #
Dept #

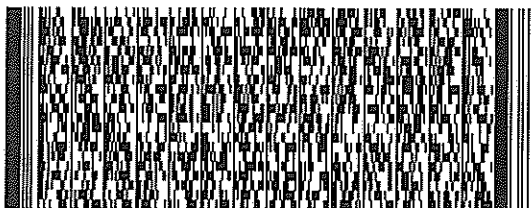
SHIP TO: (626) 386-1100 BILL SENDER

Sample Receiving
MWH Labs
750 ROYAL OAKS DR STE 100

MONROVIA, CA 91016

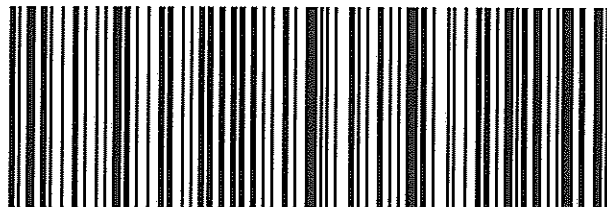
TRK# 7966 0482 6135
0201

THU - 14MAY A2
PRIORITY OVERNIGHT



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