

ENVIRONMENTAL ANALYSES

ANALYTICAL RESULTS

Lab Order: P110208

Project ID: NOV. 5, 2014 EFF MONTHLY CN

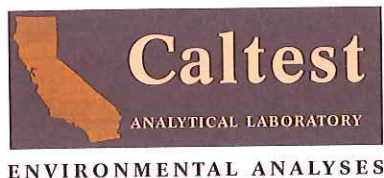
| | | | | | | | | |
|-------------------------|-----------------------|------------------|-----------------|-------------|-------|----------------|-----------|------|
| Lab ID | P110208001 | Date Collected | 11/5/2014 14:00 | Matrix | Water | | | |
| Sample ID | E-002 NOVATO EFFLUENT | Date Received | 11/5/2014 14:30 | | | | | |
| Parameters | Result Units | R. L. | MDL | DF Prepared | Batch | Analyzed | Batch | Qual |
| Cyanide, Total Analysis | Analytical Method: | SM20-4500-CN C&E | | | | Analyzed by: | BCP | |
| Cyanide | ND ug/L | 3 | 0.90 | 1 | | 11/08/14 17:15 | WCO 10317 | 1 |



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(707) 258-4000 • Fax: (707) 226-1001 • e-mail: info@caltestlabs.com





Thursday, November 13, 2014

Ken Besnia
Novato Sanitary District
500 Davidson St.
Novato, CA 94945

Re Lab Order: P110208
Project ID: NOV. 5, 2014 EFF MONTHLY CN


Collected By: Ken Besnia
PO/Contract #:

Dear Ken Besnia:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, November 05, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures


Project Manager: Todd Albertson

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NOV 19 2014
NOVATO SANITARY DISTRICT

11/13/2014 10:25

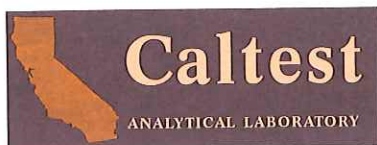
REPORT OF LABORATORY ANALYSIS

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ENVIRONMENTAL ANALYSES

SAMPLE SUMMARY

Lab Order: P110208
Project ID: NOV. 5, 2014 EFF MONTHLY CN

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|------------|-----------------------|--------|------------------|------------------|
| P110208001 | E-002 NOVATO EFFLUENT | Water | 11/05/2014 14:00 | 11/05/2014 14:30 |

11/13/2014 10:25

REPORT OF LABORATORY ANALYSIS

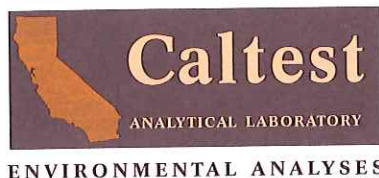
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**NARRATIVE**

Lab Order: P110208
Project ID: NOV. 5, 2014 EFF MONTHLY CN

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 20th Edition except where noted (SMOL=online edition).

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis are not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

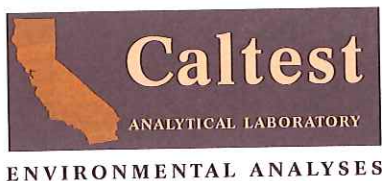
SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1 Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).





QUALITY CONTROL DATA

Lab Order: P110208
Project ID: NOV. 5, 2014 EFF MONTHLY CN

| | | | |
|-----------------------|-------------------------|------------------|------------------|
| Analysis Description: | Cyanide, Total Analysis | QC Batch: | WCO/10317 |
| Analysis Method: | SM20-4500-CN C&E | QC Batch Method: | SM20-4500-CN C&E |

METHOD BLANK: 612474

| Parameter | Blank Result | Reporting Limit | MDL | Units | Qualifiers |
|-----------|--------------|-----------------|-----|-------|------------|
| Cyanide | ND | 3 | 0.9 | ug/L | |

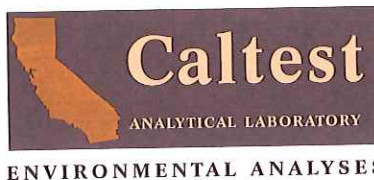
LABORATORY CONTROL SAMPLE: 612475

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % REC Limits | Qualifier |
|-----------|-------|-------------|------------|-----------|--------------|-----------|
| Cyanide | ug/L | 20 | 20 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 612476 612477

| Parameter | Units | P110170002 Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|------------|
| Cyanide | ug/L | 2.1 | 40 | 42 | 43 | 99 | 102 | 80-120 | 2.3 | 20 | 2 |



**QUALITY CONTROL DATA QUALIFIERS**

Lab Order: P110208
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QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

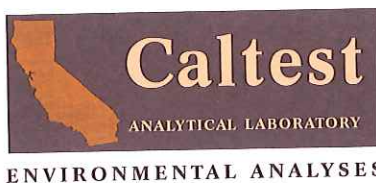
RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

2

Nitrate and/or Nitrite was detected in the sample. Sample was treated with Sulfamic Acid prior to analysis.





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: P110208

Project ID: NOV. 5, 2014 EFF MONTHLY CN




| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-----------------------|------------------|-----------|-------------------|------------------|
| P110208001 | E-002 NOVATO EFFLUENT | SM20-4500-CN C&E | WCO/10317 | | |

REPORT OF LABORATORY ANALYSIS

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| FOR LAB USE ONLY | | | | | | | | | | | RECEIVED BY | | | | |
|-----------------------------------------------------------------------------------|------------------|--------------------------------|--------------------------------|------|----------------|-----|-----------------------------------------------------------------------------------|-----|----------------|-----|-------------------------------------------------------------------------------------|-----|---------|-----|-----------|
| RELINQUISHED BY | | | | | DATE/TIME | | RECEIVED BY | | DATE/TIME | | RECEIVED BY | | | | |
|  | | | | | 11-5-14 / 1430 | |  | | 11-5-14 / 1530 | |  | | | | |
| Samples: | WC | MICRO | BIO | AA | SV | VOA | pH? | Y/N | TEMP: | 2-4 | SEALED: | Y/N | INTACT: | Y/N | COMMENTS: |
| BD: | BIO | WC | AA | | | | | | | | | | | | |
| CC: | AA | SV | VOA | | | | | | | | | | | | |
| SIL: | HP | PT | QT | VOA | | | | | | | | | | | |
| W/HNO ₃ | | H ₂ SO ₄ | | NaOH | | | | | | | | | | | |
| PL: | HNO ₃ | | H ₂ SO ₄ | NaOH | | | HCL | | | | | | | | |

*MATRIX: AQ = Aqueous Nondrinking Water;
 Digested Metals; FE = Low R.L.s, Aqueous Nondrinking
 Water; Digested Metals; DW = Drinking Water; SL =
 Soil Sludge; Solid ; FP = Free Product.

**CONTAINER TYPES: AL = Amber Liter; AHL = 500
 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG
 = Half Gallon (Plastic); SL = Soil Jar; B4 = 4oz BACT;
 BT = Brass Tube; VOA = 40ml VOA; OTC = Other Types
 Container

R _____ PR _____ M _____ F _____

11/05/14