

----- Original Message -----

**Subject:** Validation Report Exceptions

**Date:** Wed, 06 Apr 2011 16:36:41 -0500

**From:** Eric Callahan <ecallahan@cteh.com>

**To:** Paul (paul.moisan@noaa.gov) <paul.moisan@noaa.gov>, julie.bosch@noaa.gov <Julie.Bosch@noaa.gov>

**CC:** Brady Davis <bdavis@cteh.com>

Paul and Julie,

Here is the list of possible validation exceptions I mentioned on the cleanup call this morning. I am publishing both databases today for you to review. Please let me know if you have any questions or concerns.

#### Analytical DB

- **L-Longitude** – CTEH coordinates  $\geq -94.89304$  are valid. Samples were taken in Texas and Western Louisiana.
- **S-Samp\_Depth** – Most samples with null depth are surface samples which do not have a recorded depth. I have checked the field notes for samples that should have had a depth recorded and updated the depth in the database when it was available; the remainders did not have a sample depth recorded in their field notes by field personnel.
- **Orph-Samps** –GRLA0920NC177CO is the only orphan sample remaining. The lab made a typo so the sample name in the EDD and report does not match the COC or the corresponding entry in the samples table. I will have the lab re-issue the results to fix the error.
- **S-SampleTime** – Most Samples with null sample time are Field Blanks with no recorded time. I have checked the field notes for samples that should have had a time recorded and updated the time in the database when it was available; the remainders did not have a sample time recorded in their field notes by field personnel.
- **LR-MDL and LR-Reporting\_Limit** – Results with null fields are TICs or SURs. The labs did not provide a RDL or MDL for these.
- **S-Sample Date** – Mismatched dates are caused by lab blanks that have the same name and multiple dates.
- **LR-Null-Result\_no\_U\_or\_R** – These results have a qualifier other than U or R that indicate additional information. Flagging with a U may be inappropriate.

#### Monitoring DB

- **L-Longitude** – CTEH Coordinates  $\geq -95.113838$  are valid. Readings were taken in Texas and Western Louisiana.

Thank you,

Eric Callahan  
Center for Toxicology and Environmental Health  
5120 North Shore Drive  
North Little Rock, AR 72118  
Office: 501-801-8500  
Desk: 501-801-8514  
Cell: 501-366-1525

----- Original Message -----

**Subject:**CTEH Results With No RL or MDL

**Date:**Wed, 20 Apr 2011 10:50:45 -0500

**From:**Eric Callahan <ecallahan@cteh.com>

**To:**julie.bosch@noaa.gov <Julie.Bosch@noaa.gov>, Paul  
(paul.moisan@noaa.gov) <paul.moisan@noaa.gov>

Julie and Paul,

Here is the list of CTEH results which will not have a RL or MDL because they are TICs or Surrogates (SUR).

Thanks,

Eric

----- Original Message -----

**Subject:** Sediment Sample Depths

**Date:** Wed, 27 Apr 2011 09:18:49 -0500

**From:** Eric Callahan <ecallahan@cteh.com>

**To:** julie.bosch@noaa.gov <Julie.Bosch@noaa.gov>, Paul  
(paul.moisan@noaa.gov) <paul.moisan@noaa.gov>

**CC:** Brady Davis <bdavis@cteh.com>

Julie and Paul,

I have looked through the field notes for the sediment samples that had a null sample depth and when a sample depth was available I input it into the database. I have attached a spreadsheet listing the samples where I could not ascertain a sample depth.

Thank you,

Eric Callahan  
Center for Toxicology and Environmental Health  
5120 North Shore Drive  
North Little Rock, AR 72118  
Office: 501-801-8500  
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Cell: 501-366-1525

----- Original Message -----

**Subject:** RE: Sediment Sample Depths

**Date:** Thu, 28 Apr 2011 14:56:27 -0500

**From:** Eric Callahan <ecallahan@cteh.com>

**To:** Julie.Bosch <Julie.Bosch@noaa.gov>

**CC:** Paul (paul.moisan@noaa.gov) <paul.moisan@noaa.gov>, Brady Davis <bdavis@cteh.com>, Jim Brinkman <Jim.Brinkman@noaa.gov>, Erin Bergquist <Erin.Bergquist@aecom.com>

Orph\_Samples – These were lab blanks. I put basic entries on them into the samples table so they should not show up in the future.

S-SampleTime – Added “0” prefix.

LR-Date\_Collected – Results with Samp\_No “NA” are GCAL lab blanks so they were never really “collected”. They all have an extraction and analysis date which should be sufficient.

LR-Reporting\_Limit- Added the reporting limit for results from sample PCFL0509MC004. The remaining results do not have a reporting limit.

S-Sample\_Date – Fixed out of range date errors. The record with sample number “NA” is a placeholder for the “NA” lab blanks and since they have several different dates I don’t think there is a value more appropriate than null for this record.

I will publish the changes this afternoon.

Thanks,

Eric

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**From:** Julie.Bosch [mailto:Julie.Bosch@noaa.gov]

**Sent:** Thursday, April 28, 2011 11:11 AM

**To:** Eric Callahan

**Cc:** Paul (paul.moisan@noaa.gov); Brady Davis; Jim Brinkman; Erin Bergquist

**Subject:** Re: Sediment Sample Depths

Eric,

Attached is the latest validation report for the CTEH database. I think I have captured the exceptions that you have sent in this file

Please note the following:

LR-Analyte - These two Analyte names should be OK. "Benzene, 1,2,3,5-tetramethyl-" is being corrected in the Valid Values List to include the dash on the end.

Orph\_Samples - Five samples are reported in the LabResults table but there is not corresponding entry in the Samples table. Please check into

these.

S-SampleTime - The date format is "hh:mm" (eg. 08:45) Please enter "0" ahead of these number so that it is a two digit hour.

LR-Date\_Collected - Please review Samp\_No "NA." Other date issues are noted as exceptions. If there are additional exceptions please let us know.

LR-MDL - MDLs for SURs and TICs are noted as exceptions. Please check those with Result Type Code TRG. If there are additional exceptions please let us know.

LR-Reporting\_Limit - RLs for SURs and TICs are noted as exceptions. Please check those with Result Type Code TRG. If there are additional exceptions please let us know.

S-Samp\_Depth - These are OK.. Issues are noted as exceptions for both surface waters and sediment matrices.

S-Sample Date - One item listed has an "NA" sample number. Two others are showing up with dates that are out of range.

Let us know if you have any questions.

Julie

----- Original Message -----

**Subject:**RE: CTEH validation report

**Date:**Wed, 11 May 2011 10:55:07 -0500

**From:**Eric Callahan <ecallahan@cteh.com>

**To:**Julie.Bosch <Julie.Bosch@noaa.gov>

**CC:**Erin Bergquist <Erin.Bergquist@aecom.com>, "paul.moisan@noaa.gov" <paul.moisan@noaa.gov>

Julie,

Could you add "Unknown Nitrogen-Sulfur Compound" to the VVL and give it a CAS of "UNKNSCOMP"? The lab did not provide a CAS for the compound. I've attached a spreadsheet with TRG results that will never have a reporting limit. The samples with a null sample depth do not have a depth recorded in their field notes so could you list them as exceptions as well?

Thank you,

Eric

-----Original Message-----

From: Julie.Bosch [mailto:Julie.Bosch@noaa.gov]

Sent: Tuesday, May 10, 2011 1:05 PM

To: Eric Callahan

Cc: Erin Bergquist; paul.moisan@noaa.gov

Subject: CTEH validation report

Hi Eric,

Since there was an update to the CTEH Deepwater Response database we did a validation report and went through it to make sure any outstanding things were captured with "exceptions." There are still some things that are not complete and that we do not have any notes from CTEH regarding exceptions. Also, there seems to be a new "analyte" on the list that is not accounted for.

The summary is below, and the attached file has the details for each test.

Let me know how you want to proceed in order to wrap up corrections. As mentioned in a previous email the CTEH Monitoring database (#1120) was completed. This is for project #1300.

Thanks,

Julie

Analyte - Does "Unknown Nitrogen-Sulfur Compound" need to be added to the Valid Values List (VVL)? If so, please provide a corresponding CAS\_No.

CAS\_No - Does a Cas\_no for "Unknown Nitrogen-Sulfur Compound" need to be added to the VVL?

SampleTime - All exceptions have been noted.

Date\_Collected - All exceptions have been noted.

MDL - MDLs are still needed for TRG samples. Some of these may be "exceptions" but we do not have a note on that from CTEH. All SUR and TIC samples have exceptions noted.

Reporting\_Limit - Reporting\_limits are still needed for TRG samples.

These are probably "exceptions" but we do not have a note on that from CTEH. All SUR and TIC samples have exceptions noted.

Samp\_Depth - There are 19 Field samples for Sediments that do not have depths and are not on the list provided on 042711. These may be "exceptions" but we do not have a note on that from CTEH. All other exceptions are noted.

SampleDate - The exception has been noted.



**Subject:** RE: a few questions on CTEH project #1300  
**From:** Eric Callahan <ecallahan@cteh.com>  
**Date:** Fri, 20 May 2011 16:35:31 -0500  
**To:** "Julie.Bosch" <Julie.Bosch@noaa.gov>  
**CC:** Erin Bergquist <Erin.Bergquist@aecom.com>, "paul.moisan@noaa.gov" <paul.moisan@noaa.gov>, Jim Brinkman <Jim.Brinkman@noaa.gov>

Julie,

No sample depths were recorded for those samples and there are no reporting limits or MDLs for Flashpoint, Density, SG, or Temperature.

In the future when I receive revised lab results from the lab or if other updates are needed to the database do you still want me to let you know when I publish?

Thanks,

Eric

-----Original Message-----

From: Julie.Bosch [<mailto:Julie.Bosch@noaa.gov>]  
Sent: Friday, May 20, 2011 4:17 PM  
To: Eric Callahan  
Cc: Erin Bergquist; [paul.moisan@noaa.gov](mailto:paul.moisan@noaa.gov); Jim Brinkman  
Subject: a few questions on CTEH project #1300

Eric,

Just a few questions on the latest version of the CTEH database...

There are still MDL's missing for some TRG samples. These are for Flashpoint, Density, Specific Gravity and Temperature. Your email on May 11, had an attachment that mentioned that there would be no Reporting limits for these, however, it did not mention MDLs. Are these exceptions where we will not have MDLs?

Also, the latest validation report comes up with four samples where Sample Depth is missing that were not in the previous validation report. These are sediment samples listed below. Can you take a look at these and let me know if they are also exceptions?

Site_No	Samp_No	SampleType	Matrix
CTEH DW	SO 02-0823-SE001	Field Sample	Sediment
CTEH DW	SO 02-0823-SE002	Field Sample	Sediment
CTEH DW	SO 02-0823-SE003	Field Sample	Sediment
CTEH DW	SO 02-0823-SE004	Field Sample	Sediment

Everything else is accounted for based on your previous emails. If we can tackle these few questions then the project #1300 can be wrapped up for the purposes of this round of clean-up.

Julie

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