ORNL/TM-11236, VOL. 2B
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# Idaho National Engineering Laboratory

## Sampling and Analysis Data Document

This document contains uninterpreted sampling and analytical data. The data will be interpreted by the DOE Environmental Survey Team and used to modify, as appropriate, the tentative Survey findings contained in the Environmental Survey Preliminary Report. Final Survey findings will be presented in the Environmental Survey Summary Report.

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**Volume II B**
**September 1989**

DEPARTMENT OF ENERGY

ENVIRONMENTAL SURVEY

ORNL/TM-11236

# THE IDAHO NATIONAL ENGINEERING LABORATORY SAMPLING AND ANALYSIS DATA DOCUMENT (DRAFT)

## VOLUME II B

September 1989


Prepared by:
DOE Environmental Survey and
Oak Ridge National Laboratory

Operated by
Martin Marietta Energy Systems, Inc.



Under
U.S. DOE Contract No. DE-AC05-84OR21400

for the
U.S. Department of Energy


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# Appendix D

## ANALYTICAL CHEMISTRY QC SUMMARY

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Title: DETERMINATION OF OAK RIDGE DATA USABILITY

**Background:**

A Data Usability Team (DUT) composed of representatives from Department of Energy (DOE), Environmental Protection Agency Environmental Monitoring Services Laboratory - Las Vegas, Nevada (EPA EMSL-LV), and Martin Marietta Energy Systems will determine the usability of organic data generated by ORNL for four DOE ENVIRONMENTAL SURVEY SITES. The four sites are 1) Pantex Site, 2) Lawrence Livermore National Laboratory (LLNL), 3) Sandia National Laboratory (SNLL), and 4) Argonne National Laboratory (ANL).

**Purpose:**

This standard operating procedure (SOP) describes the review procedure for determining the usability of "validated" organic data for the above sites. Organic data was validated by a Data Quality Assessment Team from EPA EMSL-LV team, which performed the validation process in accordance with the SOP FOR OAK RIDGE DATA VALIDATION (Attachment A).

**Applicability:**

The Data Usability Team will review files containing "validated" organic data organized by environmental problem for each of the four DOE ENVIRONMENTAL SURVEY SITES. The contents of each environmental problem file is as follows:

1) a list of analytes with data quality summaries described on a form entitled "Organic Data Quality Level Task Volatile Organic Compounds", and

2) a list of trip blank information per sample delivery group (SDG) described on a form entitled "Organic Data Quality Level Task Volatile Organic Compounds".

To assist the team, a master sheet (Attachment B) summarizing the data usability screening products for each specific type of organic class (i.e. Volatiles, Semivolatiles, Pesticides/PCBs) will be used. The master sheet and the contents of the environmental problem file represent the products produced by the Data Quality Assessment Team performing the data validation process described in Attachment B.

The review procedure to be used by the Data Usability Team will involve the following steps:

1. review of each environmental problem from the Sampling and Analysis Plan for each site,

2. review of the master sheet (Attachment B),

3. review of the contents of the individual files for each environmental problem,

4. performance of an evaluation for usability, and

5. production of a summary table which outlines the conclusions.

Attachment C contains an example file for one environmental problem at the Pantex Site. Attachment D contains the guidelines for the evaluation for usability. Attachment E contains an example of the type of summary table which outlines the conclusions from the review procedure.

# ATTACHMENT A

# SOP FOR OAK RIDGE DATA VALIDATION

## (WITH ATTACHMENT 1.0)

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ATTACHMENT A

# SOP FOR OAK RIDGE DATA VALIDATION

EMSL-LV will be qualifying all data associated with four data packages produced by Oak Ridge National Laboratory (ORNL). The four data packages are from the following sampling sites: 1) Pantex; 2) LINL; 3) SNLL; and 4) ANL.

This SOP is designed to aid the evaluator in organizing and performing the validation procedure. This procedure involves qualifying all data according to Contract Laboratory Program Equivalency (CLPE). CLPE is based on the CLP Organics Statement of Work, 7/87

The validation procedure will involve review of ten data quality areas. These areas are as follows and are listed in the order in which evaluators may proceed.

1. Holding Times
2. Initial Calibrations
3. Continuing Calibrations
4. Blanks
5. Tunes
6. Surrogate
7. Internal Standards
8. Tentatively Identified Compounds
9. Pesticide Retention standard
10. Analyte Retention Time (Pest. fraction)

Due to the large number of samples and limited auditing time, the order of the validation procedure above has been set up to qualify as many samples, as quickly as possible. Proceeding with the validation in the order listed above may permit the auditor to validate batches of samples as a unit, thus saving time.

The auditors will be evaluating only the data submitted in the Case Narrative and on Forms I through VIII for the volatile and semi-volatile fractions and Forms I through X for the pesticide fraction. The auditors will be under a rigid time constraint and will not have sufficient time to search through the raw data to check for errors (transcription, rounding, etc.) found on these forms. The evaluators will examine raw data as needed.

There are two types of auditing forms that the evaluators will use for the Organic Data Quality Level Task. The first form (Attachment II) is a Data Usability Screening form for each fraction. On this form, 10 samples can be summarized according to the ~~eight~~ QC areas listed above. This form has also been provided with space enough for any pertinent comments and an overall data quality rating (to be discussed later). The second type of auditing form, Organic Data Quality Level Task (Attachment III), breaks the sample down into its specific compounds and will qualify each compound individually for blank contamination, initial and continuing calibration conformance, and internal standard area and retention time conformance. This form is also provided for each fraction and requires each compound listed to receive an overall data quality level to be used later for determining data usability by the Survey Team.

All spaces on the auditing forms are to be filled in with a number corresponding to level 1, 2, or 3. Any blank spaces left, for any reason, are to be filled in with a dash (-). Arrows may be used to indicate repeat entries.

Oak Ridge will provide a listing of all samples to be audited. During the validation, the auditor will check off all samples completed. These sample identifications will then be run against a master list (provided and performed by Oak Ridge) to monitor EMSL-LV's progress.

HOLDING TIMES

Expedient extraction and analysis of samples is necessary in order to ensure valid results. Any sample outside the established holding time criteria will automatically be qualified level 3, as exceeding the holding time criteria compromises the data quality. Holding times will be evaluated through the use of the laboratory's sample receipt logs, extraction logs, and from the analysis date located on the Form I (run logs will be used if the analysis date is not listed on the Form I). Addressing holding times first insures that affected samples are qualified level 3 before further validation is performed. If holding times are exceeded, all negative analyte values will be assigned level 3. Positive analyte values may be level 2. All samples will continue through the validation process.

See Attachment I, Holding Time sections.

INITIAL CALIBRATION

The initial calibration documents the linearity of the instrument within the calibaration range of the method, establishes the relative response factors on which the continuing calibration criteria is based, and verifies the performance of the column before samples are analyzed. The initial calibration reflects the conditions of analysis and designates the quality of all the samples analyzed until the next initial calibration. Any samples not run under an initial calibration are considered suspect and qualified level 3. A continuing calibration found within criteria does not alter the quality level established by the preceeding initial calibration found outside criteria. All assignment of quality levels based on the calibrations will be on an analyte-specific basis.

The evaluators will use the data [percent relative standard deviation (%RSD) and average relative response factors (AV-RRF)] listed on the Form VI, Organics Initial Calibration Data Form for the determination of criteria compliance of volatiles and semi-volitiles. Form VIIIs, Pesticide Evaluation Standards Summary, will be used for the pesticide fraction where Evals A, B, C, and Individual A and B will be evaluated for correct sequencing. The Form VIIIs will also be used to evaluate the linearity of the analytical system and the breakdown of 4,4'-DDT and Endrin. Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Initial Calibration sections.

CONTINUING CALIBRATION

The continuing calibration determines if an instrument is still within the linear calibration range established by the preceeding initial calibration. The continuing calibration affects all those samples run until the next calibration. Any samples run under a continuing calibration outside criteria, or not run under any calibration, are questionable and will be qualified level 3. All samples will be carried through the established validation process. All assignment of quality levels based on the continuing calibrations will be on an analyte-specific basis.

The validation of the continuing calibration data [percent deviations (%D) and response factors (RF)] will be done using the Form VIIs, Continuing Calibration Check Form, for both the volatile and semi-volatile fractions. The Form VIIIs will be used to evaluate the Individual A/B run and the breakdown of 4,4'-DDT and Endrin for the pesticide fraction. Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Continuing Calibration sections.

METHOD BLANK ANALYSIS

Method blanks are carried through the entire sample analysis and are instrumental in evaluating the type and magnitude of laboratory contamination. Blank contamination is found in two forms; Common Laboratory Contaminants and other TCL compounds at contamination levels. The Common Laboratory Contaminants are: VOLATILE FRACTION- Methylene Chloride, Acetone, Toluene, and 2-Butanone; SEMI-VOLATILE FRACTION- Phthalate esters; PESTICIDE FRACTION-None. Blanks are to run at least once per day of extraction for semi-volatiles and pesticides and once per day of analysis for volatiles.

The validation of the method blank analysis will be done utilizing the information given on the Form Is, Organics Analysis Data Sheet, of the blank and the Form IVs, Method Blank Summary, which summarizes all samples associated with that blank. Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Method Blank sections.

TUNING

Tuning establishes that a GC/MS system meets the established mass spectral criteria before beginning calibrations or sample analysis. The compounds used for tuning are 50ng p-Bromofluorobenzene (BFB) for the volatile fraction and 50ng Decafluorotriphenylphosphine (DFTPP) for the semi-volatile fraction.

Tuning evaluation will be performed by use of the Form V, GC/MS Tuning and Mass Calibration Form, for both the volatile and semi-volatile fractions. The Form V lists all samples associated with the tune, as well as showing ion percent relative abundance. Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Tuning Criteria sections.

SURROGATES

Surrogates are necessary in monitoring the preparation and analysis of all samples and blanks. Surrogate recovery may be affected due to sample interference, high concentrations of analytes, and poor extraction techniques. Surrogate recovery acceptance limits are as follows:

| FRACTION | SURR. CMPD | % RECOVERY LIMITS WATER | LOW/MED SOIL |
|---|---|---|---|
| VOLATILE | Toluene-d8 | 88-110 | 81-117 |
| | 4-Bromofluorobenzene | 86-115 | 74-121 |
| | 1,2-Dichloroethane-d4 | 76-114 | 70-121 |
| SEMI-VOLATILE | Nitrobenzene-d5 | 35-114 | 23-120 |
| | 2-Fluorobiphenyl | 43-116 | 30-115 |
| | p-Terphenyl-d14 | 33-141 | 18-137 |
| | Phenol-d5 | 10-94 | 24-113 |
| | 2-Fluorophenol | 21-100 | 25-121 |
| | 2,4,6-Tribromophenol | 10-123 | 19-122 |
| PESTICIDE | Dibutylchlorendate | Advisory limits | |
| | | 24-154 | 20-150 |

Surrogate recoveries will be validated through use of the Form II, Surrogate Recovery Form. Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Surrogate Sections.

INTERNAL STANDARDS

Internal standards and retention times are used to check system performance for quantitative purposes of the volatile and semi-volatile fractions. Internal standard responses and retention times in all standards must be evaluated during or immediately after data aquisition. For the purposes at Oak Ridge, there will only be two levels of qualification (levels 1 and 3). The data will either be level 1 - within criteria or level 3 - outside criteria. The auditors will use the volatile and semi-volatile Form VIIIs, Internal Standard Summary, for validation of the internal standards associated with that fraction.

See Attachment I, Internal Standards sections.

PESTICIDE RETENTION STANDARD

The retention time shift for Dibutylchlorendate (DBC) or Mirex must be verified for each sample due to the fact that excessive shift in RT indicates instability of the system (ie. carrier gas leaks, uncontrolled oven temperature).

Data which uses only Mirex as a retention time standard is not considered comparable to that which uses DBC as a retention time standard. Therefore, data using only Mirex will be classified no better than level 2.

Pesticide Form VIII will be used by the evaluators to determine criteria conformance. Data Quality levels will be assigned as described in Attachment I

See Attachment I, Pesticide Retention Standard section.

ANALYTE RETENTION TIME

According to the Organic Statement of Work, the analyte retention time windows are set by calculating the standard deviation of the three absolute retention times for each single component pesticide. For multiresponse pesticides or PCBs, choose one major peak from the envelope and calculate the standard deviation of the three retention times for that peak.

The standard deviations determined above shall be used to determine the retention time windows for a particular 72-hour sequence. Apply plus or minus three times the standard deviations above to the retention time of each pesticide/PCB determined for the first analysis of the pesticide/PCB standard in a given 72-hour sequence. This range of retention times defines the retention time window for the compound of interest for that 72-hour sequence.

If a peak is found within a retention time window for a primary column, a tentative hit is established for that analyte. A true pesticide hit must be confirmed on a dissimilar column using the same procedure followed for the primary column.

If the analyte was quantitated on a narrow-bore capillary column, the data can be assigned a quality level no better than level 2.

Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Analyte Retention Time section.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

Non-target compounds (TICs) will begin the validation proceedure at level 2 due to their estimated nature. They will be examined further for blank contamination and mass spectral interpretation. Blank contamination will be assessed by the same criteria as TCL compounds.

The mass spectra of the TIC hits will be examined by the evaluators for goodness of fit as compared to the reported NBS library spectra. If a compound has been reported by the laboratory as unknown and the evaluator feels, in his or her professional judgement, that one of the library hits is more appropriate, the corrected identification will be reported, and the comment "TIC Mis-id", will be written in the comment section of the summary form.

Data Quality levels will be assigned as described in Attachment I.

See Attachment I, Tentatively Identified Compounds section.

OVERALL QUALITY LEVEL

The overall quality level of a sample is determined by the lowest degree of usability found over the course of that sample's validation. The overall data quality level of a sample is determined by the lowest degree of quality found over the course of that sample's evaluation. Overall data quality levels are not assigned to samples for which individual analyte qualifiers were used. In this case, the overall quality level column on the summary data form will contain the 'A' flag.

The summary data qualifier on the individual analyte form may also include qualifiers from the summary form. The value in the summary column on the individual analyte form is the overall qualifier for that analyte in that sample. If the summary data qualifier is level 3, there may still be usable data reported on the individual analyte form.

All analytes with reported values which exceed the initial calibration range will be assigned a quality level no better than level 2. All analytes with reported values lower than the CLP quantitation limits will be assigned a quality level no better than level 2.

FLAGS and ABBREVIATIONS

The following flags and abbreviations are used by the data evaluation team.

A - Analyte specific. Refer to the analyte specific form for the quality levels assigned to the sample. Quality levels are assigned on an analyte-by-analyte basis for this sample.

C - See comments. Alerts the user to a comment on the summary form which must be used when interpreting usability for this sample.

E - Analyte result exceeds the method initial calibration range.

HA- Holding time from extraction to analysis exceeded.

HE- Holding time from receipt of sample to extraction exceeded.

M - Mirex used for retention time standard. The data is assigned a level no better than 2.

Q - Quantitation limit was not adjusted for sample percent moisture and/or sample amount. The data is assigned a level no better than 2. The sample percent moisture and amount follow this flag.

Q1- Sample result was not adjusted for sample percent moisture and/or sample amount. The data is assigned a level no better than 2. The sample percent moisture and amount follow this flag.

TIC ID - Usable qualitative TIC information is on the individual analyte form.

TIC MIS-ID - The original laboratory identification on TIC is in error. Usable qualitative TIC information is on the individual analyte form.

UNK- Unknown. Used on the individual analyte form when reporting TICs.

HC - Hydrocarbon. Used on the individual analyte form when reporting unknown Hydrocarbon TICs.

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MATRIX ABBREVIATIONS

S - Soil. The sample matrix was soil or sediment.

W - Water. The sample matrix was water.

O - Other. The sample matrix was not soil/sediment or water. The matrix may be biota, vegetation, or drum samples.

RE- The reported results are a reanalysis of the indicated sample. The original results may or may not have been reported.

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ATTACHMENT I

## Volatile Analysis
## Sample Group Defects

Initial Calibration - Affects all samples run until the next Init. Cal.
Affects quantitative results.
Does not affect qualitative results.

| | | | |
|---|---|---|---|
| 1. | Initial calibration not performed before running samples. | Entire sample, + or - results | Level 3 |
| 2. | %RSD | 30% or less | Level 1 |
| | %RSD | 30 to 70 % | Level 2 |
| | %RSD | above 70 % | Level 3 |
| | AV-RRF | 0.300 or greater (0.250 for Bromoform) | Level 1 |
| | AV-RRF | 0.10 to 0.299 (0.10 to 0.249 for bromoform) | Level 2 |
| | AV RRF | Less than 0.10 (may increase chances for false negative results) | Level 3 |

Continuing Calibration - Affects all samples until the next calibration.
Affects quantitative results.
Does not affect qualitative results.

| | | |
|---|---|---|
| %D | 25% or less | Level 1 |
| %D | 25 to 70 % | Level 2 |
| %D | Above 70 % | Level 3 |
| RRF | 0.300 or greater (0.250 for Bromoform) | Level 1 |
| RRF | 0.10 to 0.299 (0.10 to 0.249 for Bromoform) | Level 2 |
| RRF | Less than 0.10 (may increase chances of false negative results) | Level 3 |

| | |
|---|---|
| 1. Instrument calibrated at beginning of 12 hour sequence. | Level 1 |
| 2. Instrument calibrated between 12 and 24 hours before analysis of sample. | Level 2 |
| 3. Instrument calibrated more than 24 hours before analysis of sample. | Level 3 |

Tuning Criteria - May affect qualitative identifications.
Does not affect quantitative results.

1. Instrument tuned at beginning of 12 hour sequence; all ions in compliance with expanded criteria (see list). Level 1

2. Tune performed at beginning of 12 hour sequence, any critical ion out of criteria for expanded criteria list
OR
Instrument tuned between 12 and 24 hours of sample analysis Level 2

3. Tune not performed or tuned more than 24 hours before sample analysis Level 3

BFB Expanded Criteria List

| m/z | ION ABUNDANCE CRITERIA |
|---|---|
| 50 | 11.0 - 50.0% of base peak |
| 75 | 22.0 - 75.0% of base peak |
| 95* | base peak, 100% relative abundance |
| 96* | 5.0 - 9.0% of base peak |
| 173 | less than 1% of base peak |
| 174* | greater than 50% of base peak |
| 175* | 5.0 -9.0% of m/z 174 |
| 176* | greater than 95% but less than 101% of m/z 174 |
| 177* | 5.0 -9.0% of m/z 176 |

* denotes critical ions or ratios

Method Blank Analysis - Affects quantitative and qualitative results.
False positive results may be indicated.

1. Method performed as required, blank uncontaminated Level 1

2. If a method blank is not performed for a group of samples
All positive hits are Level 3
(May cause false positive results)
All negative results are acceptable Level 1

3. Blank Contamination encountered in the method blank

Common laboratory contaminants

| | |
|---|---|
| Sample result greater than or equal to 10x amount in the blank | Level 1 |
| Sample result between 5x and 10x amount in the blank | Level 2 |
| Sample result less than 5x the amount in the blank | Level 3 |

Other TCL compounds

| | |
|---|---|
| Sample result greater than or equal to 5x amount in the blank | Level 1 |
| Sample result between 2.5x and 5x the amount in the blank | Level 2 |
| Sample result less than 2.5x the amount in the blank | Level 3 |

# Volatile Sample Analysis
## Individual Sample Defects

Holding Times- May affect quantitative results.
Does not affect qualitative results.

| | |
|---|---|
| 1. Within 10 days | Level 1 |
| 2. 11-28 days | Level 2 |
| 3. Greater than 28 days (May increase chances of false negative and false positive results) | Level 3 |

Surrogate Recovery - Affects quantitative results.
Does not affect qualitative results.

| | |
|---|---|
| 1. All surrogates within criteria | Level 1 |
| 2. One surrogate outside SOW limits or less than 10% recovery for one surrogate (but greater than zero recovery) | Level 2 |
| 3. Any surrogate not recovered at all, or 2 or more surrogates outside of limits in SOW (May increase chances of false negative results) | Level 3 |

Internal Standards - Affects quantitative results.
Does not affect qualitative results.

| | |
|---|---|
| 1. Change in absolute area less than -50% to +100% RT of IS-sample within +/- 30 sec of IS-calibration std | Level 1 |
| 2. Outside of criteria above (May increase chances of false negative results) | Level 3 |

Tentatively Identified Compounds (TICs)- Qualitative identification affected.

| | |
|---|---|
| 1. All TICs can have a quality level no better than | Level 2 |
| 2. All TICs without a complete identification, i.e., Unknown. | Level 3 |
| 3. In special cases, i.e. PCBs, Identification of compound without specific isomer ID. | Level 2 |

4. Blanks are assessed using the same criteria as TCL compounds.

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# Semi-Volatile Analysis
## Sample Group Defects

Initial Calibration - Affects all samples run until the next Init. Cal.
Affects quantitative results.
Does not affect qualitative results.

| | | | |
|---|---|---|---|
| 1. | Initial calibration not performed before running samples. | Entire sample, + or - results | Level 3 |
| 2. | %RSD | 30% or less | Level 1 |
| | %RSD | 30 to 70 % | Level 2 |
| | %RSD | Above 70 % | Level 3 |
| | AV-RRF | 0.05 or greater | Level 1 |
| | AV-RRF | Less than 0.05 all + hits become | Level 2 |
| | AV RRF | Less than 0.05 all - hits become | Level 3 |
| | | (May increase chances for false negative results) | |

Continuing Calibration - Affects all samples until the next calibration.
Affects quantitative results.
Does not affect qualitative results.

| | | |
|---|---|---|
| %D | 25% or less | Level 1 |
| %D | 25 to ~~50 %~~ 70% | Level 2 |
| %D | Above ~~50 %~~ 70% | Level 3 |
| RRF | 0.05 or greater | Level 1 |
| RRF | Less than 0.05 all + hits become | Level 2 |
| RRF | Less than 0.05 all - hits become | Level 3 |
| | (May increase chances for false negative results) | |

| | | |
|---|---|---|
| 1. | Instrument calibrated at beginning of 12 hour sequence. | Level 1 |
| 2. | Instrument calibrated between 12 and 24 hours before analysis of sample. | Level 2 |
| 3. | Instrument calibrated more than 24 hours before analysis of sample. | Level 3 |

Tuning Criteria - May affect qualitative identifications.
Does not affect quantitative results.

1. Instrument tuned at beginning of 12 hour sequence; all ions in compliance with expanded criteria (see list). — Level 1

2. Tune performed at beginning of 12 hour sequence, any critical ion out of criteria for expanded criteria list
   OR
   Instrument tuned between 12 and 24 hours of sample analysis — Level 2

3. Tune not performed or tuned more than 24 hours before sample analysis — Level 3

DFTPP Expanded Criteria List

| m/z | ION ABUNDANCE CRITERIA |
|---|---|
| 51 | 22.0% - 75.0% of m/z 198 |
| 68* | less than 2.0% of m/z 69 |
| 70* | less than 2.0% of m/z 69 |
| 127 | 30.0 - 70.0% of m/z 198 |
| 197* | less than 1.0% of m/z 198 |
| 198* | base peak, 100% relative abundance |
| 199* | 5.0 - 9.0% of m/z 198 |
| 275 | 7.0 - 37.0% of m/z 198 |
| 365 | greater than 0.75% of m/z 198 |
| 441* | present but less than m/z 443 |
| 442* | greater than 30.0% of m/z 198 |
| 443* | 17.0% - 23.0% of m/z 198 |

* denotes critical ions or ratios

Method Blank Analysis - Affects quantitative and qualitative results.
False positive results may be indicated.

1. Method performed as required, blank uncontaminated — Level 1

2. Method blank not performed for a group of samples
   Common lab contaminants (phthalates)
   - (+) results — Level 3
   - (-) results — Level 1

   Other TCL compounds
   - (+) results — Level 2
   - (-) results — Level 1

3. Blank Contamination encountered in the method blank

Common laboratory contaminants (phthalates)

| | |
|---|---|
| Sample result greater than or equal to 10X amount in the blank | Level 1 |
| Sample result between 5x and 10x amount in the blank | Level 2 |
| Sample result less than 5x the amount in the blank | Level 3 |

Other TCL compounds

| | |
|---|---|
| Sample result greater than or equal to 5x amount in blank | Level 1 |
| Sample result between 2.5x and 5x amount in the blank | Level 2 |
| Sample result less than 2.5x the amount in the blank | Level 3 |

# Semi-Volatile Sample Analysis
## Individual Sample Defects

Holding Times- May affect quantitative results.
Does not affect qualitative results.

Holding Times (Extractions)

| | |
|---|---|
| 1. Within 5 days for water or 10 days for soil | Level 1 |
| 2. 6-20 days for water, 11-20 days for soil | Level 2 |
| 3. Greater than 20 days (water and soil)<br>(May increase chances for false negative results) | Level 3 |

Holding times until analysis

| | |
|---|---|
| 1. 40 days or less | Level 1 |
| 2. 41 to 60 days | Level 2 |
| 3. More than 60 days<br>(May increase chances for false negative results) | Level 3 |

Surrogate Recovery - By Acid or Base/Neutral fractions
Affects quantitative results.
Does not affect qualitative results.

| | |
|---|---|
| 1. All surrogates within criteria | Level 1 |
| 2. Two surrogates within either fraction outside SOW limits or less than 10% recovery for one surrogate (but greater than zero recovery) | Level 2 |
| 3. Any surrogate not recovered at all, or 3 or more surrogates from either fraction outside of limits in SOW<br>(May increase chances of false negative results) | Level 3 |

Internal Standards - Affects quantitative results.
Does not affect qualitative results.

| | |
|---|---|
| 1. Change in absolute area less than -50% to +100%<br>RT of IS-sample within +/- 30 sec of IS-calibration std | Level 1 |
| 2. Outside of criteria above<br>(May increase chances of false negative results) | Level 3 |

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Tentatively Identified Compounds (TICs)- Qualitative identification affected.

| | | |
|---|---|---|
| 1. | All TICs can have a quality level no better than | Level 2 |
| 2. | All TICs without a complete identification, i.e., Unknown. | Level 3 |
| 3. | In special cases, i.e. PCBs, Identification of compound without specific isomer ID. | Level 2 |
| 4. | Blanks are assessed using the same criteria as TCL compounds. | |

# Pesticides Analysis
## Sample Group Defects

Initial and Continuing Calibrations - Affects all samples run during the 72 hour sequence, on packed and capillary columns, evaluated separately.

1. Initial calibration using Eval. A, B, C and Ind. A, B not run as required. Entire sample, + or - results. — Level 3

2. Failure to run the evaluation mixes A and B as required during the 72 hour sequence. Affected sub-group only. — Level 2

3. Calibration sequences run as required. — Level 1

4. Linearity (Initial Calibration):

   Linearity will be Analyte-Specific and Column-Specific.

   | | |
   |---|---|
   | Aldrin - Analytes | 100 - 105 |
   | Endrin - Analytes | 106 - 113 |
   | DDT - Analytes | 114 - 126 |

   | | |
   |---|---|
   | <10% RSD | Level 1 |
   | 10 - 20% RSD | Level 2 |
   | >20% RSD | Level 3 |

5. Continuing Calibration Stability:
   Quality level for %D is determined by the %D of the IND AB which follows a sample group. Analyte-Specific and Column-Specific for all analytes - 114. DDT used for analytes 115 - 126.

   | | |
   |---|---|
   | <15 %D | Level 1 |
   | 15 - 25%D | Level 2 |
   | >25% D | Level 3 |

6. Analytes quantitated on capillary column will be judged for IC and CC on capillary column, but will be Q2 or Q3. — Level 2

   4,4'-DDT and Endrin Breakdown Requirement (Column-Specific):
   Quality level for % Breakdown is determined by % Breakdown of the Eval B preceeding the sample group.

   | | |
   |---|---|
   | 1. % Breakdown for Endrin and DDT is less than 20%. | Level 1 |
   | 2. % Breakdown for Endrin and DDT is between 20 and 30%. | Level 2 |
   | 3. % Breakdown for either DDT or Endrin exceeds 30%. | Level 3 |

DDT Retention Time - Affects all subsequent samples, all analytes (Column-Specific):

| | | |
|---|---|---|
| 1. | DDT RT is greater than or equal to 12 minutes. | Level 1 |
| 2. | DDT RT is less than 12 minutes and visual examination of the chromatogram indicates adequate separation of individual analytes has been achieved. | Level 2 |
| 3. | DDT retention time less than 12 minutes. Visual examination indicates inadequate separation. | Level 3 |

Method Blank Analysis:

| | | |
|---|---|---|
| 1. | Method performed as required, blank uncontaminated. | Level 1 |
| 2. | If a method blank is not performed for a group of samples all positive hits are All negative results are acceptable. | Level 3 |
| 3. | Blank Contamination encountered in the method blank: | |
| | + Results greater than 5x contamination level | Level 1 |
| | + Results less than 5x contamination level | Level 3 |
| | - Results | Level 1 |

# Pesticide Sample Analysis
## Individual Sample Defect

**Holding Times:**

**Holding times until extraction:**

| | | |
|---|---|---|
| 1. | Within 5 days for water or 10 days for soil | Level 1 |
| 2. | 6 to 10 days for water samples; 11 - 20 days for soil | Level 2 |
| 3. | Greater than 10 days for water; 20 days for soil samples | Level 3 |

**Holding times until analysis:**

| | | |
|---|---|---|
| 1. | 40 days or less | Level 1 |
| 2. | 41 to 60 days | Level 2 |
| 3. | More than 60 days | Level 3 |
| 4. | Q3 hits may be considered Q2 | |

**Surrogate Retention Time (Column-Specific):**

| | | |
|---|---|---|
| 1. | %D for DBC retention time of the sample compared to the initial evaluation mix standard is less than 2% for packed column and 0.3% for capillary column. | Level 1 |
| 2. | %D for DBC or Mirex retention time RT sample - RT initial eval mix is greater than 2% for packed column and 0.3% for capillary column. | Level 3 |
| 3. | DBC not used as surrogate. | Level 2 |
| 4. | No surrogate analyzed. | Level 3 |

**Surrogate Recovery:**

Due to the problems with loss of DBC, surrogate recovery is not considered to be a factor in assigning data quality levels. However, if no surrogate is recovered, data may be considered non-usable for all compounds except multi-component analytes, where pattern recognition is possible.

Pesticide Sample Analysis
Individual Sample Defect

Analyte Retention Time:

Retention Time Windows - Affects the individual analyte in that sample only.

| | | |
|---|---|---|
| 1. | Retention time windows met as required by SOW and confirmation performed. | Level 1 |
| 2. | Retention time window met, confirmation not performed. | Level 3 |

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# ATTACHMENT B

# EXAMPLE OF 1 PAGE

# MASTER SHEET

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EXAMPLE

ATTACHMENT B

Data Usability Screening for Volatile Organics

Site _____ Page __ of __ Auditor _____

| SAMPLE NUMBER | SDG | MATRIX | DATE RECEIVED | DATE ANALYZED | ASSOC TUNE | DATE BLANK | CALIB INIT | DATE CONT | INT STD OUT | VOA SURR OUT | COMMENTS | | OVER-ALL LEVEL | ENV PRB NUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PX037030 | PXV24 | 7 | 15JUN87 | 18JUN87 | 1 | A | A | A | A | 3 | 2 SURR OUTSD CRIT(BFB&DCE) 2 INT.ST. OUTSD.CRIT(BCM&CBZ).0-28% MOIST, | 5 G. 5&6 BLANK 13-RRF 30-EXCEEDING CAL. RANGE | A | 8 |
| | | 18 | 05JUN87 | 05JUN87 | | | | | | | | | | 11 |
| | | 1 | 12JUN87 | 15JUN87 | 1 | A | A | A | 1 | 1 | 5-ID, RANGE EXCEEDED 13-RRF 0-7% MOIST, 5.2 G. | | A | 11 |
| | | 1 | 12JUN87 | 15JUN87 | 1 | A | A | A | 1 | 2 | 5-ID, RANGE EXCEEDED 13-BLANK/RRF 6-BLANK S1 OUT 0-12% MOIST, 5.2 G. | | A | 11 |
| | | 1 | 12JUN87 | 15JUN87 | 1 | A | A | A | 1 | 1 | 5-ID, RANGE EXCEEDED 13-BLANK/RRF 0-7% MOIST, 5.2 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-ID 13-RRF 0-11% MOIST, 5 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-ID, RANGE EXCEEDED 13-BLANK/RRF 0-14% MOIST, 5 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-ID, RANGE EXCEEDED 13-RRF 0-17% MOIST, 4.9 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 6-BLANK 13-RRF 0-15% MOIST, 5 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5&6-BLANK 13-RRF 0-20% MOIST, 5.4 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5&6-BLANK 13-RRF 0-17% MOIST, 5.1 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 13-RRF 0-16% MOIST, 5.1 G. | | A | 11 |
| | | 1 | 12JUN87 | 16JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 13-RRF 0-19%, 5.1 G. | | A | 11 |
| | | 1 | 15JUN87 | 18JUN87 | 1 | A | A | A | 1 | 1 | 0-14% MOIST, 5 G. 13-RRF 6-BLANK | | A | 11 |
| | | 1 | 15JUN87 | 18JUN87 | 1 | A | A | A | 1 | 1 | 0-17% MOIST, 5 G. 13-RRF 5&6-BLANK | | A | 11 |
| | | 1 | 05JUN87 | 05JUN87 | 1 | A | A | A | 3 | 3 | ALL INTNL STNDS OUT OF CRIT 13-BLANK/RRF 0-6%MOIST,5.3 G. | TWO SURROGATES OUTSIDE CRITERIA | 3 | 11 |
| | | 1 | 05JUN87 | 05JUN87 | 1 | A | A | A | 3 | 2 | ALL INTNL STNDS OUT OF CRIT 13-RRF 0-9%MOIST,5.3 G. 1 SURR OUTSD CRIT | | 3 | 11 |
| | | 1 | 05JUN87 | 05JUN87 | 1 | A | A | A | 1 | 2 | 0-5% MOIST,4.8 G. 13-RRF 1 SURR OUTSD CRIT | | A | 11 |
| | | 1 | 05JUN87 | 06JUN87 | 1 | A | A | A | 1 | 1 | 6-BLANK 13-BLANK/RRF 0-5% MOIST, 4.90 G. | | A | 11 |
| | | 1 | 05JUN87 | 05JUN87 | 1 | A | A | A | 1 | 1 | 13-RRF 0-7% MOIST, 5.10 G. | | A | 11 |
| | | 1 | 06JUN87 | 06JUN87 | 1 | A | A | A | A | 2 | 5-BLANK 6-BLANK IS3 OUT 0-3% MOIST, 5 G. | | A | 11 |
| | | 1 | 06JUN87 | 07JUN87 | 1 | A | A | A | 1 | 1 | 6-BLANK 0-9% MOIST, 5 G. | | A | 11 |
| | | 1 | 06JUN87 | 06JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 6-BLANK 13-BLANK 0-3% MOIST, 4.89 G. | | A | 11 |
| | | 1 | 06JUN87 | 06JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 6-BLANK 13-BLANK 0-6% MOIST, 4.3 G. | | A | 11 |
| | | 1 | 05JUN87 | 06JUN87 | 2 | A | A | A | A | 2 | IS2 & IS3 LOW, BFB SENSITIVITY TIME OUT, S1 HIGH 0-11% MOIST, 5.2 G. | | A | 11 |
| | | 1 | 06JUN87 | 06JUN87 | 1 | A | A | A | 1 | 1 | 5-BLANK 6-BLANK 13-BLANK 0-9% MOIST, 5 G. | | A | 11 |

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# ATTACHMENT C

# ENV. PROBLEM FILE

# (EXAMPLE)

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ORGANIC DATA ~~USABILITY~~ QUALITY LEVEL
VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION TRIP BLANK SITE CODE

DATA AUDITOR: TAMMY CHRI:

| CAS NO | IS# | TARGET COMPOUND NAME | BL | IC | CC | IS | OU |
|---|---|---|---|---|---|---|---|
| 1. 74-87-3 | 1 | CHLOROMETHANE | / | / | / | / | / |
| 2. 74-83-9 | 1 | BROMOMETHANE | / | 2 | / | | 2 |
| 3. 75-01-4 | 1 | VINYL CHLORIDE | | 2 | / | | 2 |
| 4. 75-00-3 | 1 | CHLOROETHANE | | / | 2 | | 2 |
| 5. 75-09-2 | 1 | METHYLENE CHLORIDE 6 | | / | 2 | | 2 |
| 6. 67-64-1 | 1 | ACETONE | | | 2 | | 2 |
| 7. 75-15-0 | 1 | CARBON DISULFIDE | | | / | | / |
| 8. 75-35-4 | 1 | 1,1-DICHLOROETHENE | | | / | | / |
| 9. 75-34-3 | 1 | 1,1-DICHLOROETHANE | | | / | | / |
| 10. 540-59-0 | 1 | 1,2-DICHLOROETHENE (TOTAL) | | | / | | / |
| 11. 67-66-3 | 1 | CHLOROFORM | | | / | | / |
| 12. 107-06-2 | 1 | 1,2-DICHLOROETHANE | | | / | | / |
| 13. 78-93-3 | 2 | 2-BUTANONE 11 | | 3 | 3 | | 3 |
| 14. 71-55-6 | 2 | 1,1,1-TRICHLOROETHANE | | | / | | / |
| 15. 56-23-5 | 2 | CARBON TETRACHLORIDE | | | / | | / |
| 16. 108-05-4 | 2 | VINYL ACETATE | | | / | | / |
| 17. 75-27-4 | 2 | BROMODICHLOROMETHANE | | | / | | / |
| 18. 78-87-5 | 2 | 1,2-DICHLOROPROPANE | | | / | | / |
| 19. 10061-01-5 | 2 | cis-1,3-DICHLOROPROPENE | | | / | | / |
| 20. 79-01-6 | 2 | TRICHLOROETHENE | | | / | | / |
| 21. 124-48-1 | 2 | DIBROMOCHLOROMETHANE | | | / | | / |
| 22. 79-00-5 | 2 | 1,1,2-TRICHLOROETHANE | | | / | | / |
| 23. 71-43-2 | 2 | BENZENE | | | / | | / |
| 24. 10061-02-6 | 2 | trans-1,3-DICHLOROPROPENE | | | / | | / |
| 25. 75-25-2 | 2 | BROMOFORM | | | / | | / |
| 26. 108-10-1 | 3 | 4-METHYL-2-PENTANONE | | | / | | / |
| 27. 591-78-6 | 3 | 2-HEXANONE | | | / | | / |
| 28. 127-18-4 | 3 | TETRACHLOROETHENE | | | / | | / |
| 29. 79-34-5 | 3 | 1,1,2,2-TETRACHLOROETHANE | | | / | | / |
| 30. 108-88-3 | 3 | TOLUENE | | | / | | / |
| 31. 108-90-7 | 3 | CHLOROBENZENE | | | / | | / |
| 32. 100-41-4 | 3 | ETHYLBENZENE | | | / | | / |
| 33. 100-42-5 | 3 | STYRENE | | | / | | / |
| 34. 1330-20-7 | 3 | XYLENE (TOTAL) | / | / | / | / | / |

| CAS NO | NON-TARGET COMPOUND NAME | BL | IC | CC | MS | OU |
|---|---|---|---|---|---|---|
| | | | | | | |

BL = Blank Contamination
IC = Initial Calibration
CC = Continuing Calibration
IS = Internal Standard Area/RT
OU = Overall ~~Usability~~ Quality Level

MS = Mass Spectral Identification



Christian Reddy 7/2
Auditor's Signature/Date

ORGANIC DATA ~~USABILITY TABLES~~
VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION 3 SITE CODE

DATA AUDITOR: GARY L. ROBERTSON

| CAS NO | IS# | TARGET COMPOUND NAME | DATA ~~USABILITY~~ QUALITY LEVEL BL | IC | CC | IS | OU |
|---|---|---|---|---|---|---|---|
| 74-87-3 | 1 | CHLOROMETHANE | | 1 | 2 | 1 | 2 |
| 74-83-9 | 1 | BROMOMETHANE | | 2 | 2 | | 2 |
| 75-01-4 | 1 | VINYL CHLORIDE | | 2 | 2 | | 2 |
| 75-00-3 | 1 | CHLOROETHANE | | 1 | 2 | | 2 |
| 75-09-2 | 1 | METHYLENE CHLORIDE 6 | 3 | | 1 | | 3 |
| 67-64-1 | 1 | ACETONE | | | | | 1 |
| 75-15-0 | 1 | CARBON DISULFIDE | | | | | |
| 75-35-4 | 1 | 1,1-DICHLOROETHENE | | | | | |
| 75-34-3 | 1 | 1,1-DICHLOROETHANE | | | | | |
| 540-59-0 | 1 | 1,2-DICHLOROETHENE (TOTAL) | | | | | |
| 67-66-3 | 1 | CHLOROFORM | | | | | |
| 107-06-2 | 1 | 1,2-DICHLOROETHANE | | 1 | 1 | | |
| 78-93-3 | 2 | 2-BUTANONE 11 | 3 | 3 | 3 | | 3 |
| 71-55-6 | 2 | 1,1,1-TRICHLOROETHANE | | | | | |
| 56-23-5 | 2 | CARBON TETRACHLORIDE | | | | | |
| 108-05-4 | 2 | VINYL ACETATE | | | | | |
| 75-27-4 | 2 | BROMODICHLOROMETHANE | | | | | |
| 78-87-5 | 2 | 1,2-DICHLOROPROPANE | | | | | |
| 10061-01-5 | 2 | cis-1,3-DICHLOROPROPENE | | | | | |
| 79-01-6 | 2 | TRICHLOROETHENE | | | | | |
| 124-48-1 | 2 | DIBROMOCHLOROMETHANE | | | | | |
| 79-00-5 | 2 | 1,1,2-TRICHLOROETHANE | | | | | |
| 71-43-2 | 2 | BENZENE | | | | | |
| 10061-02-6 | 2 | trans-1,3-DICHLOROPROPENE | | | | | |
| 75-25-2 | 2 | BROMOFORM | | | | | |
| 108-10-1 | 3 | 4-METHYL-2-PENTANONE | | | | | |
| 591-78-6 | 3 | 2-HEXANONE | | | | | |
| 127-18-4 | 3 | TETRACHLOROETHENE | | | | | |
| 79-34-5 | 3 | 1,1,2,2-TETRACHLOROETHANE | | | | | |
| 108-88-3 | 3 | TOLUENE | | | | | |
| 108-90-7 | 3 | CHLOROBENZENE | | | | | |
| 100-41-4 | 3 | ETHYLBENZENE | | | | | |
| 100-42-5 | 3 | STYRENE | | | | | |
| 1330-20-7 | 3 | XYLENE (TOTAL) | | | | | |

| CAS NO | | NON-TARGET COMPOUND NAME | BL | IC | CC | MS | OU |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

D.F.R.

L = Blank Contamination
C = Initial Calibration
C = Continuing Calibration
S = Internal Standard Area/RT
J = Overall Usability Level

MS = Mass Spectral Identification



D.L. Robertson 7/20/89
Auditor's Signature/Date

ORGANIC DATA ~~USABILITY TABLES~~
VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATIO

SITE CODE [illegible]

DATA AUDITOR: GARY L. ROBERTSON

| | CAS NO | IS# | TARGET COMPOUND NAME | BL | IC | CC | IS | OU |
|---|---|---|---|---|---|---|---|---|
| 1. | 74-87-3 | 1 | CHLOROMETHANE | | | 2 | | 2 |
| 2. | 74-83-9 | 1 | BROMOMETHANE | | 2 | 2 | | 2 |
| 3. | 75-01-4 | 1 | VINYL CHLORIDE | | 2 | 2 | | 2 |
| 4. | 75-00-3 | 1 | CHLOROETHANE | | | 2 | | 2 |
| 5. | 75-09-2 | 1 | METHYLENE CHLORIDE | 3 | | | | 3 |
| 6. | 67-64-1 | 1 | ACETONE | | | | | |
| 7. | 75-15-0 | 1 | CARBON DISULFIDE | | | | | |
| 8. | 75-35-4 | 1 | 1,1-DICHLOROETHENE | | | | | |
| 9. | 75-34-3 | 1 | 1,1-DICHLOROETHANE | | | | | |
| 10. | 540-59-0 | 1 | 1,2-DICHLOROETHENE (TOTAL) | | | | | |
| 11. | 67-66-3 | 1 | CHLOROFORM | | | | | |
| 12. | 107-06-2 | 1 | 1,2-DICHLOROETHANE | | | | | |
| 13. | 78-93-3 | 2 | 2-BUTANONE | 3 | 3 | 3 | | 3 |
| 14. | 71-55-6 | 2 | 1,1,1-TRICHLOROETHANE | | | | | |
| 15. | 56-23-5 | 2 | CARBON TETRACHLORIDE | | | | | |
| 16. | 108-05-4 | 2 | VINYL ACETATE | | | | | |
| 17. | 75-27-4 | 2 | BROMODICHLOROMETHANE | | | | | |
| 18. | 78-87-5 | 2 | 1,2-DICHLOROPROPANE | | | | | |
| 19. | 10061-01-5 | 2 | cis-1,3-DICHLOROPROPENE | | | | | |
| 20. | 79-01-6 | 2 | TRICHLOROETHENE | | | | | |
| 21. | 124-48-1 | 2 | DIBROMOCHLOROMETHANE | | | | | |
| 22. | 79-00-5 | 2 | 1,1,2-TRICHLOROETHANE | | | | | |
| 23. | 71-43-2 | 2 | BENZENE | | | | | |
| 24. | 10061-02-6 | 2 | trans-1,3-DICHLOROPROPENE | | | | | |
| 25. | 75-25-2 | 2 | BROMOFORM | | | | | |
| 26. | 108-10-1 | 3 | 4-METHYL-2-PENTANONE | | | | | |
| 27. | 591-78-6 | 3 | 2-HEXANONE | | | | | |
| 28. | 127-18-4 | 3 | TETRACHLOROETHENE | | | | | |
| 29. | 79-34-5 | 3 | 1,1,2,2-TETRACHLOROETHANE | | | | | |
| 30. | 108-88-3 | 3 | TOLUENE | | | | | |
| 31. | 108-90-7 | 3 | CHLOROBENZENE | | | | | |
| 32. | 100-41-4 | 3 | ETHYLBENZENE | | | | | |
| 33. | 100-42-5 | 3 | STYRENE | | | | | |
| 34. | 1330-20-7 | 3 | XYLENE (TOTAL) | | | | | |

| CAS NO | NON-TARGET COMPOUND NAME | BL | IC | CC | MS | OU |
|---|---|---|---|---|---|---|
| | | | | | | |

BL = Blank Contamination
IC = Initial Calibration
CC = Continuing Calibration
IS = Internal Standard Area/RT
OU = Overall Usability Level

MS = Mass Spectral Identification



G. L. Robertson 7/2/93
auditor's signature/date

ORGANIC DATA ~~USABILITY TASK~~
VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION SITE CODE ___ ___

DATA AUDITOR: GARY L. ROBERTSON

| | CAS NO | IS# | TARGET COMPOUND NAME | DATA ~~USABILITY~~ QUALITY LEVEL BL | IC | CC | IS | OU |
|---|---|---|---|---|---|---|---|---|
| 1. | 74-87-3 | 1 | CHLOROMETHANE | 1 | 1 | 2 | 1 | 2 |
| 2. | 74-83-9 | 1 | BROMOMETHANE | | 2 | 2 | | 2 |
| 3. | 75-01-4 | 1 | VINYL CHLORIDE | | 2 | 2 | | 2 |
| 4. | 75-00-3 | 1 | CHLOROETHANE | | 1 | 2 | | 2 |
| 5. | 75-09-2 | 1 | METHYLENE CHLORIDE | 3 | | 1 | | 3 |
| 6. | 67-64-1 | 1 | ACETONE | 1 | | | | 1 |
| 7. | 75-15-0 | 1 | CARBON DISULFIDE | | | | | |
| 8. | 75-35-4 | 1 | 1,1-DICHLOROETHENE | | | | | |
| 9. | 75-34-3 | 1 | 1,1-DICHLOROETHANE | | | | | |
| 10. | 540-59-0 | 1 | 1,2-DICHLOROETHENE (TOTAL) | | | | | |
| 11. | 67-66-3 | 1 | CHLOROFORM | | | | | |
| 12. | 107-06-2 | 1 | 1,2-DICHLOROETHANE | | | | | |
| 13. | 78-93-3 | 2 | 2-BUTANONE | 3 | 3 | 3 | | 3 |
| 14. | 71-55-6 | 2 | 1,1,1-TRICHLOROETHANE | 1 | 1 | 1 | | 1 |
| 15. | 56-23-5 | 2 | CARBON TETRACHLORIDE | | | | | |
| 16. | 108-05-4 | 2 | VINYL ACETATE | | | | | |
| 17. | 75-27-4 | 2 | BROMODICHLOROMETHANE | | | | | |
| 18. | 78-87-5 | 2 | 1,2-DICHLOROPROPANE | | | | | |
| 19. | 10061-01-5 | 2 | cis-1,3-DICHLOROPROPENE | | | | | |
| 20. | 79-01-6 | 2 | TRICHLOROETHENE | | | | | |
| 21. | 124-48-1 | 2 | DIBROMOCHLOROMETHANE | | | | | |
| 22. | 79-00-5 | 2 | 1,1,2-TRICHLOROETHANE | | | | | |
| 23. | 71-43-2 | 2 | BENZENE | | | | | |
| 24. | 10061-02-6 | 2 | trans-1,3-DICHLOROPROPENE | | | | | |
| 25. | 75-25-2 | 2 | BROMOFORM | | | | | |
| 26. | 108-10-1 | 3 | 4-METHYL-2-PENTANONE | | | | | |
| 27. | 591-78-6 | 3 | 2-HEXANONE | | | | | |
| 28. | 127-18-4 | 3 | TETRACHLOROETHENE | | | | | |
| 29. | 79-34-5 | 3 | 1,1,2,2-TETRACHLOROETHANE | | | | | |
| 30. | 108-88-3 | 3 | TOLUENE | | | | | |
| 31. | 108-90-7 | 3 | CHLOROBENZENE | | | | | |
| 32. | 100-41-4 | 3 | ETHYLBENZENE | | | | | |
| 33. | 100-42-5 | 3 | STYRENE | | | | | |
| 34. | 1330-20-7 | 3 | XYLENE (TOTAL) | | | | | |

| CAS NO | ~~NON-TARGET~~ COMPOUND NAME | BL | IC | CC | MS | OU |
|---|---|---|---|---|---|---|
| | | | | | | |

BL = Blank Contamination
IC = Initial Calibration
CC = Continuing Calibration
IS = Internal Standard Area/RT
OU = Overall Usability Level

MS = Mass Spectral Identification

D-xl

D. L. Robertson 7/10/93
Auditor's Signature/Date

# ATTACHMENT D

# GUIDELINES

(Field Blank)

Title: GUIDELINES FOR EVALUATING USABILITY

The following are guidelines for evaluating usability of volatile and semivolatile organic data:

1. For volatile organic analysis data, both the blanks and the samples can contain common laboratory contaminants such as methylene chloride, acetone, and 2-butanone. These common laboratory contaminants are not considered "hits" under the following criteria:

   a. if their concentrations are less than 10X the concentration of the method blank (which will be noted just to the left of the "BL" column), or less than 10X the concentration in the associated trip blank; or

   b. if these contaminants are not in the method or trip blanks and their concentration is less than 10X the CRQL. Even if the quality level = 1, these contaminants must be at least 10X the contract required quantitation limit (CRQL) before the values are considered actual "hits".

   The CRQL levels for these contaminants in both water and soil matrices are:

| | |
|---|---|
| methylene chloride | 5 ppb |
| acetone | 10 ppb |
| 2-butanone | 10 ppb |

2. In general, for those data where the quality level is 3, hits above the CRQL can be considered real. However, it must be noted that this type of data is qualitative but not quanitative. For example, a hit at 10 ppb toluene with quality level 3 could actually have a toluene concentration of 1 to 25 ppb.

3. All tenatively identified compounds (TIC) data should be evaluated relative to compounds known to be used at the DOE sites. Mass spectra libraries may be limited and not contain the spectrum of analytes characteristic at the DOE sites. All TIC data will be reported to the Survey Team regardless of the data quality level. For this evaluation, all TIC-unknown data are classified Q3 based on the limitations of the mass spectrum interpretation.

4. Examples of increased probability of false negatives are:

   - 2 or more surrogates are out-of-limits for volatiles
   - internal standard is out-of-limits or has a low percent recovery (%R)
   - holding times exceeded

5. Examples of increased probability of false positive are:

   - no method blank was run with the SDG
   - no trip blank was run with the VOA SDG
   - holding times exceeded along with no trip blank analysis for the VOA SDGs

6. When quality level 3 data is accepted for usability, a footnote which explains why the data is accepted should be noted and included in the summary table (Appendix E).

7. Analyte values which are below the CRQL are reported, but will not be classified as Q1 data. These data will generally be classified as Q3 data because they are semi-quantitative.

8. Semivolatile analysis data for both blanks and the samples can contain common laboratory contaminants such as bis(2-ethylhexyl) phthalate, diethylphthalate, and di-n-octylphthalate. These common laboratory contaminants are not considered "hits" under the following criteria:

   a. if their concentrations are less than 10X the concentration of the method blank or 10X the CRQL, and/or

   b. if the quality level = 1, these contaminants must be at least 10X the CRQL before the values are considered actual "hits".

   The CRQL level for these contaminants are:

| Organic compound | Water matrix | Soil matrix |
|---|---|---|
| bis(2-ethylhexyl) phthalate | 10 ppb | 330 ppb |
| di-n-octyl phthalate | 10 ppb | 330 ppb |
| diethylphthalate | 10 ppb | 330 ppb |

# ATTACHMENT E

# SUMMARY TABLE

(Blank Page)

ATTACHMENT E

ENV PROBLEM # - 3 SAMPLES (No analysis data available)

ENV PROBLEM # - 9 SAMPLES

| | | | |
|---|---|---|---|
| o | Toluene | 21ppb | Q3 (IS)(SU)<br>No Trip Blank |
| | TIC-Trifluorochloromethane | 8ppb | Q3 (MS)(SU)<br>No Trip Blank |
| | TIC-Unknown | 11ppb | Q3 (MS)(SU)<br>No Trip Blank |
| o | No analysis data | | |

NOTE: 2 of the 8 samples, analyzed have no hits but the overall quality level is QL=3; hence the potential for false negatives exists.

ENV PROBLEM # - 3 SAMPLES

| | | | |
|---|---|---|---|
| o | Toluene | 7ppb | Q2 |
| o | Toluene | 64ppb | Q2 |
| o | Toluene | 7ppb | Q2 |

NOTE: No toluene in trip blank.

ENV PROBLEM # - 9 SAMPLES

| | | | |
|---|---|---|---|
| o | Chloroform | 6ppb | Q2 |
| o | TIC-Methane(bis)thio | 226ppb | Q2 |
| o | Toluene | 101ppb | Q2 |
| o | Toluene | 9ppb | Q2 |

NOTE: Trip blank and samples contained the normal laboratory contaminants, methylene chloride, acetone, and 2-butanone. Neither chloroform nor toluene was detected in the trip blank.

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Oak Ridge National Laboratory
Analytical Chemistry Division

# ANALYSIS QUALITY LEVEL EVALUATION

| | |
|---|---|
| | Method: |
| | SDG No.: |
| SITE NAME: | Date(s) Received: |
| | Date(s) prepared: |
| QC Request: | Date(s) analyzed: |

| Completed | Description | Page 1 of |
|---|---|---|

## DOCUMENTATION COMPLETENESS

Case Narrative Review

Preparer: _____

Reviewer: _____

Method Description _____

Reporting Forms Review

Preparer: _____

Reviewer: _____

Analyst Worksheets/Notebook Review _____

## ANALYSIS QUALITY

**Representativeness**

Samples Preserved and Stored Properly _____

Appropriate Percentages of Holding Times Met (as listed in Table 1) _____

_____ Actual % Compliance _____ Deviation From Holding Times Requirements

AQLE1 Rev. 2 11/02/88

Oak Ridge National Laboratory
Analytical Chemistry Division

# ANALYSIS QUALITY LEVEL EVALUATION

Method:

SDG No.:

SITE NAME:



| Completed | Description |
|---|---|
| | ANALYSIS QUALITY (continued) |
| | **Comparability** |
| _____ | Participation in EPA quarterly Performance Evaluation _____ |
| | **Precision** |
| _____ | 80% of duplicate results for aqueous samples in compliance with requirements _____ |
| | _____ Actual % Compliance _____ Deviation from 80% Compliance |
| _____ | 70% of duplicate results for soil samples in compliance with requirements _____ |
| | _____ Actual % Compliance _____ Deviation from 70% Compliance |
| _____ | Other matrix: _____ |
| | 70% of precision control limits met _____ |
| | _____ Actual % Compliance _____ Deviation From 70% Compliance |
| | COMMENTS _____ |

Oak Ridge National Laboratory
Analytical Chemistry Division

# ANALYSIS QUALITY LEVEL EVALUATION

Method:

SDG No.:

SITE NAME:



| Completed | Description |
|---|---|
| | **ANALYSIS QUALITY (continued)** |
| | **Accuracy** |
| _____ | 95% of preparation blank results in compliance with requirements<br>_____ Actual % Compliance _____ Deviation From 95% Compliance |
| _____ | 80% of laboratory control samples in compliance with requirements<br>_____ Actual % Compliance _____ Deviation From 80% Compliance |
| _____ | Appropriate percentage (see Table 2) of calibration verification data in compliance with requirements<br>_____ Actual % Compliance _____ Deviation from Required Compliance |
| _____ | 90% of ICP interference check standards in compliance with requirements<br>_____ Actual % Compliance _____ Deviation From 90% Compliance |
| _____ | 80% of spike and serial dilution results for aqueous samples in compliance with requirements<br>_____ Actual % Compliance _____ Deviation From 80% Compliance |
| _____ | 70% of spike and serial dilution results for soil samples in compliance with requirements<br>_____ Actual % Compliance _____ Deviation from 70% Compliance |
| | ********** |
| | Average Deviation from Compliance _____ |

*** ANALYSIS QUALITY LEVEL _____ (1, 2, 3)

EXCEPTIONS:

| Analyte | Quality Level |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

TABLES

Table 1. Criteria for Holding Times

| Method | % Criteria |
|---|---|
| CVAA | 90 |
| ICP, GFAA, Total U | 98 |
| Anions | 50 |
| Cyanide | 75 |
| Other analytes | 90 |

Table 2. % Criteria for Continuing Calibration Verification Data

| Method | % Criteria |
|---|---|
| ICP, GFAA, CVAA | 90 |
| Rads | 75 |
| Inorganic Exotics | 75 |
| Anions | 90 |
| Other | 90 |

Table 3. Summary of Levels

Level 1: Percent Criteria for Compliance met

Level 2: $\leq$ 20% deviation from above conditions

Level 3: > 20% deviation from above conditions

Comments _____

DATA QUALITY EVALUATION
PRELIMINARY OPERATING PROCEDURE
ICP (INCLUDING K )

DATE IN USE: 10-1-88
SITE(S) : LL/SN/ANL/BNL/INEL
PREPARER : Katherine Whaley

REFERENCES: 1) EPA Document: Standard Operating Procedure For Contract Compliance Screening (CCS) of Routine Analytical Services Of Inorganics Data Under SOW No. 787
2) EPA Document: Data Quality Objectives For Remedial Response Activities - Development Process
3) EPA Document: Laboratory Data Validation - Functional Guidelines For Evaluating Inorganic Analyses

**PROCEDURE SUMMARY:** Designed to allow determination of utility or quality levels for DOE Site Survey ICP and potassium analyses, the format for this procedure also provides a summary of all problem areas. The review occurs at the analyte level and results in an overall quality for each sample with provisions for individual analyte exceptions. The central document is the series of comments (see attachment A) which serve both to summarize specific nonconformances (as defined in CLP protocol) and to define data quality levels associated with these nonconformances. While an overall sample quality level is the final product, all analyte review results and comments appear on one sample specific form (see attachment B). Therefore no step in the process is lost. Overall levels can be reevaluated as needed.

Attachment C is an example of a completed data quality evaluation form (older version of form). The ICP-QA information requested (see attachment B top) can be used to indicate SDG number. Current ORNL inorganics practice is to provide separate electronic and hard copy files for each day's quality control results to the site data management group. The level assigned for arsenic spike results is level 2, comment 27(see attachment A) with potential detection limit elevation of 40%. Calibration blank results are evaluated together under the "CCB" column. The level assigned for aluminum preparation blanks is level 1, comment 6. If a category is left blank it is assumed that the level is 1 without comments. Quality table identification numbers are assigned for each table and current ORNL ICP practice is to store quality levels,exceptions, sample numbers, environmental problem numbers, and data quality table numbers on disk.

Potassium should be included in this procedure if determined by ICP or AA under CLP protocols. If flame emission is used, the data quality level must determined while keeping in mind that flame emission is not a CLP method.



K. Whaley
12-6-88

(Blank Page)

Attachment A

COMMENT CODES

| CODE | COMMENT |
|---|---|
| 1 | The calibration verification falls outside the control windows but within the ranges of 50-89% . Sample results are considered as estimated but usable. Reported results could be negatively biased by % amount indicated by " - X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 2 | The calibration verification falls outside the control windows but within the ranges of 111-150% . The sample results are considered as estimated but usable. Reported results could be positively biased by % amount indicated by " + X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 3 | The calibration verification result is greater than 110%, but the element was not detected in the sample. The usability of the analytical sample determination is acceptable . LEVEL 1 |
| 4 | The calibration verification result is less than 90% and the element was not detected in the sample. The detection limit may be elevated by % amount indicated by " + X " appearing after code descriptor in " ( ) ". The data is considered marginally usable. LEVEL 3 |
| 5 | The calibration verification result falls less than 50% or greater than 150% . This is indicative of a severe analytical deficiency. The data is rejected as unusable. LEVEL 3 |
| 5A | The calibration verification result for the secondary channel out of control. Only primary channel results reported. Primary channel was in compliance. Data not affected. LEVEL 1 |
| 6 | Positive value observed in the preparation blank which is less than the CRDL. This is acceptable according to CLP protocol. LEVEL 1 |
| 7 | Positive value observed in the calibration blank which is less than the CRDL, but greater than 2X the IDL. The sample result was less than 5X the blank result. The possibility of a false positive exists. The data is considered marginally usable. LEVEL 3 |
| 8 | Positive value observed in the blank which is greater than the CRDL. The sample result was less than 10X the blank result. It as not possible to verify whether the level of analyte detected in the sample was due to contamination. The data is rejected as unusable. LEVEL 3 |
| 8A | Positive value observed in the blank which is greater than the CRDL. The element however was not detected in the sample. The data is acceptable. LEVEL 1 |
| 9 | Positive value observed in the blank which is greater than the CRDL. The sample result was > than 10X the blank result. The data is acceptable according to the CLP protocol. LEVEL 1 |



K. Whaley
10-24-88

## COMMENT CODES

| CODE | COMMENT |
|---|---|
| 10 | % Recovery value for interference check standard is outside the control windows. The AL, CA, FE, and MG concentrations in the sample are less than 60% of their values in the ICS standard. No other potentially interfering elements are present in concentrations exceeding 10 ppm. The data is judged to be acceptable. LEVEL 1 |
| 11 | % Recovery value for interference check standard is > 120% and the sample contains any of the following in concentrations at the levels of the ICS standard: AL,CA,FE,MG . The sample result is < IDL. The data is judged to be acceptable. LEVEL 1 |
| 12 | % Recovery value for interference check standard is > 120% and the sample contains any of the following in concentrations at the levels of the ICS standard: AL,CA,FE,MG . The sample result is > IDL. The sample result is considered estimated but acceptable. Reported results could be positively biased by % amount indicated by " + X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 13 | % Recovery value for interference check standard falls between 30 and 79 % and the sample contains any of the following in concentrations at the level of the ICS standard: AL,CA,FE,MG. Positive sample results were reported. The sample results are considered as estimated but acceptable. Reported results could be negatively biased by % amount indicated by " - X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 14 | % Recovery value for interference check standard falls between 30 and 79% and the sample contains any of the following in concentrations at the level of the ICS standard: AL,CA,FE,MG. The element was not detected in the sample. The possibility for false negatives exists. The detection limit may be elevated by % amount indicated by " - X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 15 | The % recovery value for the laboratory control standard falls within the range of 30-79% and a positive sample result was reported. The data is considered estimated but acceptable. Reported result could be negatively biased by % amount indicated by " - X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 16 | The % recovery value for the laboratory control standard is greater than 120% and a positive sample result was reported. The data is considered as estimated but acceptable. Reported result could be positively biased by % amount indicated by " + X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 17 | The % recovery value for the laboratory control standard falls within the range of 30-79% and the element was not detected in the sample. The possibility for false negatives exits. The data is considered as estimated but acceptable. The actual detection limit could be elevated by % amount indicated by " + X " appearing after code descriptor in " ( ) ". LEVEL 2 |



K. Whaley
10-24-88

COMMENT CODES

| CODE | COMMENT |
|---|---|
| 18 | The % recovery value for the laboratory control standard is > 120% and the element was not detected in the sample. The data is considered acceptable LEVEL 1 |
| 18A | The % recovery value for the laboratory control standard is < 30% and the element was not detected in the sample. The detection limit may be greatly elevated or the element not recovered in this sample. The data is rejected as unusable. LEVEL 3 |
| 18B | The % recovery value for the laboratory control standard is < 30% and a positive sample result was reported. The data is considered as confirmation of the qualitative presence of the analyte only. LEVEL 3 |

General comments regarding duplicate analysis review: Actions taken as a result of duplicate sample analysis must be weighed carefully since it may be difficult to determine if poor precision is a result of sample non-homogeneity, method defects or laboratory technique. The non-homogeneous nature of soil samples often makes it more difficult to achieve good duplicate results compared to aqueous samples. However, aqueous samples containing high levels of solids can produce erratic duplicate results as well. In general, the results of duplicate sample analysis should be used to support conclusions drawn about the quality of the data rather than as a basis for these conclusions.

| | |
|---|---|
| 19 | RPD value for duplicate analysis out of control. This sample in the SDG was not the sample prepared in duplicate and it appears evident that its matrix is of a different chemical and physical nature than the sample chosen for duplication. The data is judged to be acceptable. LEVEL 2 |
| 20 | RPD value for duplicate analysis > 50% . The data is considered as confirmation of the qualitative presence of the analyte only. LEVEL 3 |
| 21 | RPD value for duplicate analysis > 20%, but < 50% . The data is considered as estimated but acceptable. LEVEL 2 |
| 22 | Control limits for concentration of duplicate < 5X CRDL exceeded. The data is considered as estimated but acceptable. LEVEL 2 |
| 23 | % Recovery for spike outside control limits, but the sample result exceeds the spike result by a factor of 4 or greater. The results are not flagged, as the percent recovery results can not be considered accurate in this case. This is acceptable under the CLP protocol. LEVEL 1 |
| 23A | % Recovery for spike outside control limits, but the sample result is close to 4X the spiking level. The accuracy of the % R result is questionable. The result has been flagged but considered acceptable and usable. LEVEL 2 |



K. L. Chaney
10-24-88

## COMMENT CODES

| CODE | COMMENT |
|---|---|
| 24 | % Recovery for spike outside control limits. This sample in the SDG was not the sample spiked during preparation and it appears evident that its matrix is of a different chemical and physical nature than the sample chosen for spiking. The data is judged to be acceptable. LEVEL 2 |
| 25 | % Recovery for spike is > 125% and the reported sample result is less than the IDL. The data is acceptable. LEVEL 1 |
| 26 | % Recovery for spike is > 125% and the reported sample result is positive. The results are considered as estimated but acceptable. Reported results could be positively biased by % amount indicated by " + X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 27 | % Recovery for spike falls within the range of 30-74% and the reported sample result is less than the IDL. The posibility for false negatives exists. The actual detection limit may be elevated by the % amount indicated by " + X " appearing after code descriptor in " ( ) ". The data is considered as estimated but acceptable. LEVEL 2 |
| 28 | % Recovery for spike falls within the range of 30-74% and the reported sample result is positive. The posibility for false negatives exits. The data is considered as estimated but acceptable. The reported result could be considered to be negatively biased by % amount indicated by " - X " appearing after code descriptor in " ( ) ". LEVEL 2 |
| 29 | % Recovery for spike < 30% and the reported sample result is positive. The data may be biased significantly low and should be considered as as qualitative analyte presence only. LEVEL 3 |
| 30 | % Recovery for spike < 30% and the reported sample result is less than the IDL. This is indicative of severe analytical deficiencies. The detection limit may be substantially elevated. The data is rejected as as unusable. LEVEL 3 |
| 30A | % Recovery for spike < 30% due to choice of spiking level within a factor of 2 of the IDL. Nothing can be said about the accuracy of sample digestion. The data is marginally acceptable. LEVEL 3 |

General comments regarding review of serial dilution results: This analysis is required so that the reviewer can ascertain whether significant physical or chemical interferences exist due to sample matrix.

| | |
|---|---|
| 31 | 10% criteria for serial dilution result not met. A matrix interference is suspected. The data is considered as estimated but usable. LEVEL 2 |

** Indicates that additional comments appear on individual quality level table form (sample specific — see summary sheet for each site to find quality table number for particular sample).

N. Whaley
10-24-88

Attachment B

ICP-QA:_____ DOE SITE SURVEY - DATA VALIDATION ICP QUALITY TABLE:_____

SITE: _____
DOE SAMPLE NO: _____
LABORATORY SAMPLE NO: _____
SDG NO: _____
MATRIX: _____

REVIEWER: _____
DATE: _____
SAMPLE VALIDATION QUALITY LEVEL:_____
EXCEPTIONS: see below

DATA QUALITY LEVEL.

| LEVEL | ELEMENT | ICV | CCV | CCB | PB | ICS | LCS | DUP | SPK | SD |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | | | | | | | | |
| | ANTIMONY | | | | | | | | | |
| | ARSENIC | | | | | | | | | |
| | BARIUM | | | | | | | | | |
| | BERYLLIUM | | | | | | | | | |
| | CADMIUM | | | | | | | | | |
| | CALCIUM | | | | | | | | | |
| | CHROMIUM | | | | | | | | | |
| | COBALT | | | | | | | | | |
| | COPPER | | | | | | | | | |
| | IRON | | | | | | | | | |
| | LEAD | | | | | | | | | |
| | MAGNESIUM | | | | | | | | | |
| | MANGANESE | | | | | | | | | |
| | NICKEL | | | | | | | | | |
| | SELENIUM | | | | | | | | | |
| | SILVER | | | | | | | | | |
| | SODIUM | | | | | | | | | |
| | VANADIUM | | | | | | | | | |
| | ZINC | | | | | | | | | |

COMMENT CODES APPEAR IN ( ) AFTER EACH CATAGORY

ONLY DEVIATIONS FROM LEVEL 1 AND QUALIFIED LEVEL 1 WILL BE NOTED ON FORM

ICV/CCV: Initial and cont. calib. verification ICS: Interference chk std

LCS: Laboratory control std CCB/PB: Calib. and preparation blanks

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CPA 63005 Attachment L

Quality Table : ~~DED~~ MID (K.W.)

If category left blank, assume Level 1

DOE SITE SURVEY - INORGANIC
ICP

SITE: LL
DOE SAMPLE NO: LL011010C
LABORATORY SAMPLE NO: 370814-104
SDG NO: LL011010C
MATRIX: S

REVIEWER: Katherine Whaley
DATE: 10-18-88

Overall Quality Level (sample): 1
Mn: 2, Se: 2, Ni: 2

DATA QUALITY LEVEL

| Ind Mod | ELEMENT | ICV | CCV | CCB | PB | ICS | LCS | DUP | SPK | SD |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | | | 1(6) | | | 2(21) | | |
| | ANTIMONY | | | | | | | | | |
| | ARSENIC | | | | | | | | 2(27) + 40 | |
| | BARIUM | | | | 1(6) | | | | | |
| | BERYLLIUM | | | | | | | | | |
| | CADMIUM | | | | | | | | | |
| | CALCIUM | | | | | | | 2(21) | | |
| | CHROMIUM | | | | | | | | | 2(31) |
| | COBALT | | | | | | | | | |
| | COPPER | | | | | | | | | |
| | IRON | | | | 1(6) | | | 2(21) | | |
| | LEAD | | | | | | | | | |
| | MAGNESIUM | | | | 1(6) | | | | | |
| 2 | MANGANESE | | | | | | | 3(20) | | |
| 2 | NICKEL | | | | | | | 2(22) | 2(28) - 30 | |
| | ~~POTASSIUM~~ K.W. | | | | | | | | | |
| 2 | SELENIUM | | | | | | | | 3(30) | |
| | SILVER | | | | | | | | | |
| | SODIUM | | | | | | | | | |
| | VANADIUM | | | | | | | | | |
| | ZINC | | | | | | | | | |

COMMENT CODES APPEAR IN ( ) AFTER EACH CATAGORY

ICV: Initial calibration verification
CCV: Continuing calibration verification
CCB: Continuing calibration blank (includes initial results)
PB: Preparation blank
ICS: Interference Chk Std.
LCS: Laboratory Control Std.

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TABLE D.1.1 DIRECTORY FOR ANIONS AND CYANIDE QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 2 | IN401013J | IN401013J | D.1.2 (D-4) |
| 2 | IN401024J | IN401013J | D.1.2 (D-4) |
| 2 | IN402014J | IN402014J | D.1.3 (D-5) |
| 2 | IN402025J | IN402014J | D.1.3 (D-5) |
| 2 | IN403015J | IN403015J | D.1.4 (D-6) |
| 2 | IN403026J | IN403015J | D.1.4 (D-6) |
| 2 | IN404016J | IN404016J | D.1.5 (D-8) |
| 2 | IN404027J | IN404016J | D.1.5 (D-8) |
| 2 | IN405017J | IN405017J | D.1.6 (D-9) |
| 2 | IN406018J | IN406018J | D.1.7 (D-10) |
| 2 | IN406029J | IN406018J | D.1.7 (D-10) |
| 2 | IN407019J | IN406018J | D.1.7 (D-10) |
| 2 | IN407020J | IN406018J | D.1.7 (D-10) |
| 2 | IN408010J | IN406018J | D.1.7 (D-10) |
| 2 | IN408021J | IN406018J | D.1.7 (D-10) |
| 2 | IN409011J | IN409011J | D.1.8 (D-11) |
| 2 | IN409022J | IN409011J | D.1.8 (D-12) |
| 2 | IN410014J | IN410014J | D.1.9 (D-13) |
| 2 | IN410025J | IN410014J | D.1.9 (D-13) |
| 2 | IN411015J | IN410014J | D.1.9 (D-13) |
| 2 | IN411026J | IN410014J | D.1.9 (D-13) |
| 2 | IN412016J | IN404016J | D.1.5 (D-8) |
| 2 | IN414018I | IN414018I | D.1.10 (D-14) |
| 2 | IN414029J | IN414018I | D.1.10 (D-14) |
| 2 | IN415019J | IN414018I | D.1.10 (D-14) |
| 2 | IN415020J | IN414018I | D.1.10 (D-14) |
| 2 | IN416010J | IN409011J | D.1.8 (D-11) |
| 2 | IN417011J | IN417011J | D.1.11 (D-15) |
| 2 | IN418012J | IN401013J | D.1.2 (D-4) |
| 2 | IN419013J | IN417011J | D.1.11 (D-15) |
| 2 | IN420016J | IN403015J | D.1.4 (D-6) |
| 2 | IN421017J | IN409011J | D.1.8 (D-11) |
| 2 | IN422018J | IN409011J | D.1.8 (D-11) |
| 2 | IN423019J | IN404016J | D.1.5 (D-8) |
| 2 | IN423020J | IN404016J | D.1.5 (D-8) |
| 3 | IN501014F | IN403015J | D.1.4 (D-6) |
| 3 | IN501025F | IN403015J | D.1.4 (D-6) |
| 3 | IN501036F | IN403015J | D.1.4 (D-6) |
| 3 | IN501047F | IN403015J | D.1.4 (D-6) |
| 3 | IN501058F | IN403015J | D.1.4 (D-6) |
| 3 | IN501069F | IN403015J | D.1.4 (D-6) |
| 3 | IN502015E | IN502015E | D.1.12 (D-16) |
| 3 | IN502026E | IN502015E | D.1.12 (D-16) |
| 3 | IN502037E | IN502015E | D.1.12 (D-16) |
| 3 | IN502048E | IN502015E | D.1.12 (D-16) |
| 3 | IN502059E | IN502015E | D.1.12 (D-17) |
| 3 | IN502060E | IN502015E | D.1.12 (D-17) |
| 3 | IN503016E | IN503016E | D.1.13 (D-18) |
| 3 | IN503027E | IN503016E | D.1.13 (D-18) |
| 3 | IN503038E | IN503016E | D.1.13 (D-18) |
| 3 | IN503050H | IN503050H | D.1.14 (D-19) |

TABLE D.1.1 DIRECTORY FOR ANIONS AND CYANIDE QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN504017C | IN409011J | D.1.8 (D-11) |
| 3 | IN504028C | IN409011J | D.1.8 (D-12) |
| 3 | IN504039C | IN409011J | D.1.8 (D-11) |
| 3 | IN504040C | IN409011J | D.1.8 (D-12) |
| 3 | IN504051C | IN409011J | D.1.8 (D-11) |
| 3 | IN504062C | IN409011J | D.1.8 (D-11) |
| 3 | IN505018D | IN505018D | D.1.15 (D-20) |
| 3 | IN505029D | IN505018D | D.1.15 (D-20) |
| 3 | IN505030D | IN505018D | D.1.15 (D-20) |
| 3 | IN505041D | IN505018D | D.1.15 (D-20) |
| 3 | IN505052D | IN505018D | D.1.15 (D-20) |
| 3 | IN505063D | IN505018D | D.1.15 (D-20) |
| 3 | IN506020D | IN506020D | D.1.16 (D-21) |
| 3 | IN506031D | IN506020D | D.1.16 (D-21) |
| 3 | IN506053G | IN506053G | D.1.17 (D-22) |
| 3 | IN507010F | IN507010F | D.1.18 (D-23) |
| 3 | IN507021F | IN507010F | D.1.18 (D-23) |
| 3 | IN507043F | IN507010F | D.1.18 (D-23) |
| 3 | IN507054F | IN507010F | D.1.18 (D-23) |
| 3 | IN508011E | IN508011E | D.1.19 (D-24) |
| 3 | IN508022E | IN508011E | D.1.19 (D-24) |
| 3 | IN508044E | IN508011E | D.1.19 (D-24) |
| 3 | IN508055E | IN508011E | D.1.19 (D-24) |
| 3 | IN509012E | IN506020D | D.1.16 (D-21) |
| 3 | IN509023E | IN506020D | D.1.16 (D-21) |
| 3 | IN509034E | IN503016E | D.1.13 (D-18) |
| 3 | IN510015C | IN510015C | D.1.20 (D-25) |
| 3 | IN510026C | IN510026C | D.1.21 (D-26) |
| 3 | IN510048C | IN510048C | D.1.22 (D-27) |
| 3 | IN510059C | IN510048C | D.1.22 (D-27) |
| 3 | IN510253C | IN510253C | D.1.23 (D-28) |
| 3 | IN511016D | IN511016D | D.1.24 (D-29) |
| 3 | IN511027D | IN511016D | D.1.24 (D-29) |
| 3 | IN511049D | IN511016D | D.1.24 (D-29) |
| 3 | IN511050D | IN511016D | D.1.24 (D-29) |
| 3 | IN512017D | IN503050H | D.1.14 (D-19) |
| 3 | IN512028D | IN512028D | D.1.25 (D-30) |
| 3 | IN512039D | IN512028D | D.1.25 (D-30) |
| 3 | IN513018F | IN510026C | D.1.21 (D-26) |
| 3 | IN513029F | IN510026C | D.1.21 (D-26) |
| 3 | IN513041F | IN510026C | D.1.21 (D-26) |
| 3 | IN513052F | IN510026C | D.1.21 (D-26) |
| 3 | IN514019E | IN502015E | D.1.12 (D-16) |
| 3 | IN514020E | IN502015E | D.1.12 (D-16) |
| 3 | IN514042E | IN502015E | D.1.12 (D-16) |
| 3 | IN514053E | IN502015E | D.1.12 (D-16) |
| 3 | IN515010E | IN503050H | D.1.14 (D-19) |
| 3 | IN515021E | IN503050H | D.1.14 (D-19) |
| 3 | IN515032E | IN503050H | D.1.14 (D-19) |
| 3 | IN516011I | IN417011J | D.1.11 (D-15) |
| 3 | IN516022I | IN417011J | D.1.11 (D-15) |
| 3 | IN516044I | IN417011J | D.1.11 (D-15) |

TABLE D.1.1 DIRECTORY FOR ANIONS AND CYANIDE QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN516055I | IN417011J | D.1.11 (D-15) |
| 3 | IN517012F | IN508011E | D.1.19 (D-24) |
| 3 | IN517023F | IN508011E | D.1.19 (D-24) |
| 3 | IN517045F | IN517045F | D.1.26 (D-31) |
| 3 | IN517056F | IN517045F | D.1.26 (D-31) |
| 3 | IN518013F | IN512028D | D.1.25 (D-30) |
| 3 | IN518035F | IN512028D | D.1.25 (D-30) |
| 3 | IN519014F | IN404016J | D.1.5 (D-8) |
| 3 | IN519025F | IN404016J | D.1.5 (D-8) |
| 3 | IN519036F | IN404016J | D.1.5 (D-8) |
| 3 | IN519047F | IN409011J | D.1.8 (D-11) |
| 3 | IN519058F | IN409011J | D.1.8 (D-11) |
| 3 | IN519069F | IN409011J | D.1.8 (D-11) |
| 3 | IN520017E | IN520017E | D.1.27 (D-32) |
| 3 | IN520028E | IN520017E | D.1.27 (D-32) |
| 3 | IN520039E | IN520017E | D.1.27 (D-32) |
| 3 | IN520040E | IN520017E | D.1.27 (D-32) |
| 3 | IN520051E | IN520017E | D.1.27 (D-32) |
| 3 | IN520062E | IN520017E | D.1.27 (D-32) |
| 3 | IN522019E | IN522019E | D.1.28 (D-33) |
| 3 | IN522020E | IN522019E | D.1.28 (D-33) |
| 3 | IN522031E | IN522019E | D.1.28 (D-33) |
| 3 | IN522042E | IN522019E | D.1.28 (D-33) |
| 3 | IN522053E | IN522019E | D.1.28 (D-33) |
| 3 | IN522064E | IN522019E | D.1.28 (D-33) |
| 3 | IN522075H | IN409011J | D.1.8 (D-11) |
| 5 | IN810018C | IN511016D | D.1.24 (D-29) |
| 5 | IN810029C | IN511016D | D.1.24 (D-29) |
| 5 | IN811019C | IN517045F | D.1.26 (D-31) |
| 5 | IN811020C | IN517045F | D.1.26 (D-31) |

TABLE D.1.2 INEL ANIONS AND CYANIDE - SDG NUMBER: IN401013J DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | WELL P&W 2 | WELL P&W 2 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WELL | WELL |
| SAMPLE NUMBER | INCVC1539 | INCVD1587 | INCVD1564 | INICB1666 | INCVC1471 | IN401013J | IN401024J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 3020 | 5150 | 5200 | 1000 U | 3030 | 16000 | 16000 |
| FLUORIDE | 1900 | 1710 | 1650 | 1000 U | 1950 | 1000 U | 1000 U |
| NITRATE-N | 2370 | 5860 | 6560 | 226 U | 2400 | 655 N | 746 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4490 | 326 U | 4630 | 326 U | 326 U |
| SULFATE | 14800 | 24100 | 21800 | 1000 U | 13400 | 28000 | 28000 |

| AREA | QA | QA | | QA | QA |
|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | USGS-37 | MATRIX | MS % |
| TYPE OF LOCATION | | RPD | WELL | SPIKE | RECOVERY |
| SAMPLE NUMBER | IN401013J | IN401013J | IN418012J | IN401013J | IN401013J |
| MATRIX | WATER | | WATER | WATER | |
| UNITS | UG/L | % | UG/L | UG/L | % |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 |
| CHLORIDE | 16000 | 0 | 87000 | 20400 | 100 |
| FLUORIDE | 1000 U | | 1000 U | 4200 | 105 |
| NITRATE-N | 655 | 0 | 4970 N | 6280 | 125 |
| O-PHOSPHATE-P | 326 U | | 326 U | 7070 | 109 |
| SULFATE | 28000 | 0 | 29000 | 48200 | 100 |

TABLE D.1.3 INEL ANIONS AND CYANIDE - SDG NUMBER: IN402014J

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | USGS-19 | DUPLICATE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WELL | |
| SAMPLE NUMBER | INCVC1540 | INCVD1588 | INCVD1565 | INICB1669 | INCVC1472 | IN402014J | IN402014J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 3020 | 5150 | 5230 | 1000 U | 3080 | 12000 | 12000 |
| FLUORIDE | 1900 | 1710 | 1650 | 1000 U | 1990 | 1000 U | 1000 U |
| NITRATE-N | 2370 | 5860 | 6650 | 226 U | 2960 | 1200 N | 1290 |
| O-PHOSPHATE-P | 4730 | 4770 | 4730 | 326 U | 4870 | 326 U | 326 U |
| SULFATE | 14800 | 24100 | 22000 | 1000 U | 13600 | 21000 | 21000 |

| AREA | QA | | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | DUPLICATE | USGS-19 | MATRIX | MS % | CALIBRATION |
| TYPE OF LOCATION | RPD | WELL | SPIKE | RECOVERY | VER FOUND |
| SAMPLE NUMBER | IN402014J | IN402025J | IN402014J | IN402014J | INCVC1473 |
| MATRIX | | WATER | WATER | | WATER |
| UNITS | % | UG/L | UG/L | % | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | |
| CHLORIDE | 0 | 12000 | 15800 | 100 | 3180 |
| FLUORIDE | | 1000 U | 4000 | 100 | 1990 |
| NITRATE-N | 8 | 1290 N | 6850 | 124 | 2960 |
| O-PHOSPHATE-P | | 326 U | 6980 | 108 | 5010 |
| SULFATE | 0 | 21000 | 39300 | 90 | 13600 |

TABLE D.1.4 INEL ANIONS AND CYANIDE - SDG NUMBER: IN403015J DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1541 | INCVD1589 | INCVD1566 | INICB1671 | INCVC1474 | IN501014F | IN501025F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5370 | 1000 U | 3110 | 5400 | 5400 |
| FLUORIDE | 1900 | 1710 | 1690 | 1000 U | 1950 | 1000 U | 1000 U |
| NITRATE-N | | | | | | 30 | 10 |
| O-PHOSPHATE-P | 4730 | 4770 | 4790 | 326 U | 4640 | 326 U | 326 U |
| SULFATE | 14800 | 24100 | 22400 | 1000 U | 13600 | 23000 | 23000 |

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX | MS % | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | WASTE POND | | RPD | SPIKE | RECOVERY | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN501036F | IN501014F | IN501014F | IN501014F | IN501014F | IN501047F | IN501058F |
| MATRIX | WATER | WATER | | WATER | | WATER | WATER |
| UNITS | UG/L | UG/L | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CHLORIDE | 6900 | 5500 | 2 | 7540 | 105 | 5400 | 5600 |
| FLUORIDE | 1000 U | 1000 U | | 2020 | 100 | 1000 U | 1000 U |
| NITRATE-N | 160 | | | | | 10 | 760 |
| O-PHOSPHATE-P | 326 U | 326 U | | 3290 | 100 | 326 U | 326 U |
| SULFATE | 24000 | 23000 | 0 | 32400 | 90 | 23000 | 24000 |

| AREA | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | USGS-27 | USGS-27 | USGS-82 | CALIBRATION | INITIAL CAL | LAB CONTROL |
| TYPE OF LOCATION | WASTE POND | WELL | WELL | WELL | VER FOUND | BLANK 1 | SAMPLE TRUE |
| SAMPLE NUMBER | IN501069F | IN403015J | IN403026J | IN420016J | INCVC1475 | IN03A0001 | IN0710001 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 2 | 2 | 2 | | | |
| CHLORIDE | 5600 | 67000 | 66000 | 21000 | 3010 | | |
| FLUORIDE | 1000 U | 1000 | 1000 | 1000 U | 1880 | | |
| NITRATE-N | 950 | 2010 | 2020 | 710 | | 5 U | 1430 |
| O-PHOSPHATE-P | 326 U | 326 U | 326 U | 326 U | 4340 | | |
| SULFATE | 24000 | 35000 | 35000 | 21000 | 13000 | | |

TABLE D.1.4 INEL ANIONS AND CYANIDE - SDG NUMBER: IN403015J

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | LAB CONTROL SAMPLE | INITIAL CAL TRUE A | INITIAL CAL FOUND A | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN0710001 | IN2AA1001 | IN2AA2001 | IN501036F | IN501036F | IN501036F | IN501036F |
| MATRIX | WATER | WATER | WATER | WATER | | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | % | UG/L | % |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 |
| CHLORIDE | | | | | | | |
| FLUORIDE | 1420 | 2000 | 2000 | 170 | 6.1 | 270 | 73 |
| NITRATE-N | | | | | | | |
| O-PHOSPHATE-P | | | | | | | |
| SULFATE | | | | | | | |

| AREA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | CONTINUING CAL BLANK | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | CONTINUING CAL TRUE | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | | | | |
| SAMPLE NUMBER | IN03A1001 | IN0720001 | IN0720001 | IN2AA3001 | IN2AA4001 |
| MATRIX | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHLORIDE | | | | | |
| FLUORIDE | 5 U | 1430 | 1410 | 2000 | 2000 |
| NITRATE-N | | | | | |
| O-PHOSPHATE-P | | | | | |
| SULFATE | | | | | |

TABLE D.1.5 INEL ANIONS AND CYANIDE - SDG NUMBER: IN404016J DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | WELL TRA-1 | FIRE STA. |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WELL | WELL |
| SAMPLE NUMBER | INCVA1452 | INCVC1542 | INCVA1431 | INICB1673 | INCVC1476 | IN423019J | IN412016J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 4070 | 3020 | 3970 | 1000 U | 2870 | 11000 | 14000 |
| FLUORIDE | 2890 | 1900 | 2890 | 1000 U | 1930 | 1000 U | 1000 U |
| NITRATE-N | 6780 | 2370 | 6790 | 226 U | 2350 | 1200 * | 1200 * |
| O-PHOSPHATE-P | 4580 | 4730 | 4540 | 326 U | 4610 | 326 U* | 326 U* |
| SULFATE | 23200 | 14800 | 21700 | 1000 U | 12200 | 20000 | 21000 |

| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ANL W-1 | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX | MS % | CALIBRATION |
| TYPE OF LOCATION | WELL | WASTE POND | | RPD | SPIKE | RECOVERY | VER FOUND |
| SAMPLE NUMBER | IN404027J | IN519025F | IN519036F | IN519036F | IN519036F | IN519036F | INCVA1432 |
| MATRIX | WATER | WATER | WATER | | WATER | | WATER |
| UNITS | UG/L | UG/L | UG/L | % | UG/L | % | UG/L |
| ENV PROBLEM NO | 2 | 3 | 3 | 3 | 3 | 3 | |
| CHLORIDE | 19000 | 57000 | 55000 | 2 | 73600 | 90 | 3930 |
| FLUORIDE | 1000 | 1800 | 1800 | 5 | 18800 | 86 | 2830 |
| NITRATE-N | 1290 * | 226 U* | 497 | 20 | 22200 | 93 | 6660 |
| O-PHOSPHATE-P | 326 U* | 1790 * | 1790 | 24 | 32900 | 93 | 4620 |
| SULFATE | 13000 | 330000 | 320000 | 3 | 415000 | 85 | 20600 |

| AREA | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | CALIBRATION | WELL TRA-1 | ANL W-1 | TRA 1952 | TRA 1952 | CALIBRATION |
| TYPE OF LOCATION | BLANK | VER FOUND | WELL | WELL | WASTE POND | WASTE POND | VER FOUND |
| SAMPLE NUMBER | INICB1674 | INCVC1477 | IN423020J | IN404016J | IN519014F | IN519036F | INCVC1478 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 2 | 2 | 3 | 3 | |
| CHLORIDE | 1000 U | 2930 | 11000 | 19000 | 61000 | 56000 | 3020 |
| FLUORIDE | 1000 U | 1960 | 1000 U | 1000 | 2100 | 1900 | 1970 |
| NITRATE-N | 226 U | 2570 | 1270 * | 1420 * | 2710 * | 610 * | 2570 |
| O-PHOSPHATE-P | 326 U | 4700 | 326 U* | 326 U* | 2350 * | 2350 * | 4780 |
| SULFATE | 1000 U | 13500 | 20000 | 14000 | 350000 | 330000 | 13300 |

TABLE D.1.6 INEL ANIONS AND CYANIDE - SDG NUMBER: IN405017J

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | | RPD |
| SAMPLE NUMBER | INCVA1453 | INCVC1543 | INCVA1433 | INICB1676 | INCVC1479 | IN405017J | IN405017J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 4070 | 3020 | 4140 | 1000 U | 3050 | 16000 | 12 |
| FLUORIDE | 2890 | 1900 | 2900 | 1000 U | 1960 | 1000 U | 0 |
| NITRATE-N | 6780 | 2370 | 7690 | 226 U | 2580 | 1540 | 18 |
| O-PHOSPHATE-P | 4580 | 4730 | 4720 | 326 U | 4760 | 326 U | |
| SULFATE | 23200 | 14800 | 22900 | 1000 U | 13700 | 25000 | 0 |

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MS % | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | WELL 98 |
| TYPE OF LOCATION | SPIKE | RECOVERY | VER FOUND | VER FOUND | BLANK | VER FOUND | WELL |
| SAMPLE NUMBER | IN405017J | IN405017J | INCVA1434 | INCVC1480 | INICB1677 | INCVC1481 | IN405017J |
| MATRIX | WATER | | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | | | | | 2 |
| CHLORIDE | 27600 | 100 | 4340 | 3140 | 1000 U | 3270 | 18000 |
| FLUORIDE | 10400 | 90 | 3060 | 1980 | 1000 U | 2110 | 1000 |
| NITRATE-N | 16500 | 129 | 7940 | 2640 | 226 U | 2850 | 1790 N* |
| O-PHOSPHATE-P | 15000 | 94 | 4340 | 4950 | 326 U | 4940 | 326 U |
| SULFATE | 70600 | 92 | 22900 | 14600 | 1000 U | 15200 | 25000 |

TABLE D.1.7 INEL ANIONS AND CYANIDE - SDG NUMBER: IN406018J

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | WELL ANP-8 | WELL FET-1 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WELL | WELL |
| SAMPLE NUMBER | INCVA1454 | INCVB1469 | INCVA1435 | INICB1679 | INCVB1464 | IN406018J | IN407019J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 4070 | 4000 | 4100 | 1000 U | 4130 | 11000 | 16000 |
| FLUORIDE | 2890 | 4000 | 2920 | 1000 U | 4030 | 1000 U | 1000 U |
| NITRATE-N | 6780 | 4520 | 6930 | 226 U | 4940 | 927 * | 791 * |
| O-PHOSPHATE-P | 4580 | 6520 | 4610 | 326 U | 6710 | 326 U | 326 U |
| SULFATE | 23200 | 20000 | 21000 | 1000 U | 18400 | 29000 N | 36000 N |

| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL ANP-1 | WELL ANP-1 | MATRIX | MS % | CALIBRATION | CALIBRATION | INITIAL CAL |
| TYPE OF LOCATION | WELL | WELL | SPIKE | RECOVERY | VER FOUND | VER FOUND | BLANK |
| SAMPLE NUMBER | IN408010J | IN408021J | IN406018J | IN406018J | INCVB1465 | INCVA1436 | INICB1680 |
| MATRIX | WATER | WATER | WATER | | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | | | |
| CHLORIDE | 14000 | 16000 | 15800 | 100 | 4080 | 4130 | 1000 U |
| FLUORIDE | 1000 U | 1000 U | 4900 | 98 | 3990 | 2940 | 1000 U |
| NITRATE-N | 1200 * | 1290 * | 7160 | 110 | 4990 | 7050 | 226 U |
| O-PHOSPHATE-P | 326 U | 326 U | 7560 | 93 | 6650 | 4620 | 326 U |
| SULFATE | 33000 N | 33000 N | 43400 | 56 | 18800 | 21700 | 1000 U |

| AREA | QA | | | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | WELL ANP-8 | WELL FET-1 | DUPLICATE | DUPLICATE | | |
| TYPE OF LOCATION | VER FOUND | WELL | WELL | | RPD | | |
| SAMPLE NUMBER | INCVB1466 | IN406029J | IN407020J | IN406018J | IN406018J | | |
| MATRIX | WATER | WATER | WATER | WATER | | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | % | | |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | | |
| CHLORIDE | 4280 | 11000 | 17000 | 11000 | 0 | | |
| FLUORIDE | 4260 | 1000 U | 1000 | 1000 U | | | |
| NITRATE-N | 5190 | 1040 * | 3160 * | 1080 | 17 | | |
| O-PHOSPHATE-P | 6970 | 326 U | 326 U | 326 U | | | |
| SULFATE | 19200 | 28000 N | 34000 N | 29000 | 0 | | |

TABLE D.1.8 INEL ANIONS AND CYANIDE - SDG NUMBER: IN409011J

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION VER TRUE | CALIBRATION VER TRUE | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | INCVA1455 | INCVC1544 | INCVA1437 | INICB1683 | INCVC1482 | IN519047F | IN519069F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 3950 | 1000 U | 2840 | 59000 | 53000 |
| FLUORIDE | 2890 | 1900 | 2830 | 1000 U | 1900 | 2100 | 1800 |
| NITRATE-N | 6780 | 2370 | 6700 | 226 U | 2310 | 2940 | 520 |
| O-PHOSPHATE-P | 4580 | 4730 | 4540 | 326 U | 4670 | 1790 | 2050 |
| SULFATE | 23200 | 14800 | 21500 | 1000 U | 12200 | 350000 | 310000 |

| AREA | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | USGS-65 | TRA 1952 | USGS-86 | USGS-90 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | WELL | WASTE POND | WELL | WELL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN422018J | IN522075H | IN409011J | IN416010J | IN504017C | IN504039C | IN504051C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 3 | 2 | 2 | 3 | 3 | 3 |
| CHLORIDE | 19000 | 1000 U | 28000 | 14000 | 11000 | 11000 | 11000 |
| FLUORIDE | 1000 U | 1000 U | 1000 U | 1000 U | 1000 U | 1000 U | 1000 U |
| NITRATE-N | 1670 | 226 U | 1990 | 791 | 1200 | 1110 | 1150 |
| O-PHOSPHATE-P | 326 U | 326 U | 326 U | 326 U | 326 U | 326 U | 326 U |
| SULFATE | 120000 | 1000 U | 25000 | 27000 | 20000 | 21000 | 21000 |

| AREA | | QA | QA | QA | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND | USGS-43 WELL | DUPLICATE |
| TYPE OF LOCATION | WASTE POND | | | | | | |
| SAMPLE NUMBER | IN504062C | INCVA1438 | INICB1684 | INCVC1483 | IN519058F | IN421017J | IN421017J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | | | | 3 | 2 | 2 |
| CHLORIDE | 11000 | 3930 | 1000 U | 2900 | 54000 | 24000 | 25000 |
| FLUORIDE | 1000 U | 2820 | 1000 U | 1940 | 1900 | 1000 U | 1000 U |
| NITRATE-N | 1060 | 6500 | 226 U | 2400 | 226 | 3840 | 3840 |
| O-PHOSPHATE-P | 326 U | 4470 | 326 U | 4620 | 2050 | 326 U | 326 U |
| SULFATE | 21000 | 20900 | 1000 U | 13300 | 320000 | 25000 | 25000 |

TABLE D.1.8 INEL ANIONS AND CYANIDE - SDG NUMBER: IN409011J DRAFT DO NOT CITE

| AREA | QA | | QA | QA | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | USGS-86 | MATRIX | MS % | TRA 1952 | TRA 1952 | CALIBRATION |
| TYPE OF LOCATION | RPD | WELL | SPIKE | RECOVERY | WASTE POND | WASTE POND | VER FOUND |
| SAMPLE NUMBER | IN421017J | IN409022J | IN522075H | IN522075H | IN504028C | IN504040C | INCVC1484 |
| MATRIX | | WATER | WATER | | WATER | WATER | WATER |
| UNITS | % | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 3 | 3 | 3 | 3 | |
| CHLORIDE | 4 | 25000 | 2310 | 115 | 11000 | 11000 | 2990 |
| FLUORIDE | | 1000 U | 1970 | 100 | 1000 U | 1000 U | 1980 |
| NITRATE-N | 0 | 2120 | 2570 | 113 | 994 | 1310 | 2570 |
| O-PHOSPHATE-P | | 326 U | 3030 | 91 | 326 U | 326 U | 4780 |
| SULFATE | 0 | 24000 | 8810 | 88 | 20000 | 20000 | 13300 |

TABLE D.1.9 INEL ANIONS AND CYANIDE - SDG NUMBER: IN410014J

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | USGS-105 | USGS-110 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WELL | WELL |
| SAMPLE NUMBER | INCVA1456 | INCVC1545 | INCVA1439 | INICB1686 | INCVC1485 | IN410014J | IN411015J |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 4070 | 3020 | 4020 | 1000 U | 2920 | 13000 | 20000 |
| FLUORIDE | 2890 | 1900 | 2880 | 1000 U | 1920 | 1000 U | 1000 |
| NITRATE-N | 6780 | 2370 | 6790 | 226 U | 2350 | 610 N | 1150 N |
| O-PHOSPHATE-P | 4580 | 4730 | 4540 | 326 U | 4870 | 326 U | 326 U |
| SULFATE | 23200 | 14800 | 21700 | 1000 U | 12700 | 26000 N | 18000 N |

| AREA | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | USGS-110 | MATRIX | MS % | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION |
| TYPE OF LOCATION | WELL | SPIKE | RECOVERY | VER FOUND | VER FOUND | BLANK | VER FOUND |
| SAMPLE NUMBER | IN411026J | IN411026J | IN411026J | INCVC1486 | INCVA1440 | INICB1687 | INCVC1487 |
| MATRIX | WATER | WATER | | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | % | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | | | | |
| CHLORIDE | 20000 | 30800 | 110 | 2890 | 3840 | 1000 U | 2840 |
| FLUORIDE | 1000 | 10300 | 90 | 1910 | 2780 | 1000 U | 1880 |
| NITRATE-N | 1240 N | 13600 | 116 | 2400 | 6500 | 226 U | 2400 |
| O-PHOSPHATE-P | 326 U | 16500 | 100 | 4810 | 4320 | 326 U | 4550 |
| SULFATE | 18000 N | 60200 | 84 | 12800 | 20600 | 1000 U | 12700 |

| AREA | | QA | QA |
|---|---|---|---|
| LOCATION | USGS-105 | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | WELL | | RPD |
| SAMPLE NUMBER | IN410025J | IN410025J | IN410025J |
| MATRIX | WATER | WATER | |
| UNITS | UG/L | UG/L | % |
| ENV PROBLEM NO | 2 | 2 | 2 |
| CHLORIDE | 13000 | 13000 | 0 |
| FLUORIDE | 1000 U | 1000 U | |
| NITRATE-N | 655 N | 610 | 8 |
| O-PHOSPHATE-P | 326 U | 326 U | |
| SULFATE | 24000 N | 23000 | 4 |

TABLE D.1.10 INEL ANIONS AND CYANIDE - SDG NUMBER: IN414018I

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | CALIBRATION | WELL SL-1 | WELL CFA-1 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | BLANK | VER FOUND | VER FOUND | WELL | WELL |
| SAMPLE NUMBER | INCVA1457 | INCVB1470 | INICB1690 | INCVA1441 | INCVB1467 | IN415019J | IN414018I |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 2 | 2 |
| CHLORIDE | 4070 | 4000 | 1000 U | 4290 | 4080 | 18000 | 77000 |
| FLUORIDE | 2890 | 4000 | 1000 U | 2940 | 4110 | 1000 UN | 1000 UN |
| NITRATE-N | 6780 | 4520 | 226 U | 7130 | 4880 | 1220 | 5880 |
| O-PHOSPHATE-P | 4580 | 6520 | 326 U | 4480 | 6450 | 326 U | 326 U |
| SULFATE | 23200 | 20000 | 1000 U | 22800 | 18100 | 18000 | 32000 |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | MATRIX | MS % | INITIAL CAL | CALIBRATION | CALIBRATION |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | BLANK | VER FOUND | VER FOUND |
| SAMPLE NUMBER | IN415019J | IN415019J | IN415019J | IN415019J | INICB1691 | INCVA1442 | INCVB1468 |
| MATRIX | WATER | | WATER | | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | | | |
| CHLORIDE | 18000 | 0 | 28400 | 100 | 1000 U | 4200 | 4200 |
| FLUORIDE | 1000 U | | 1340 | 130 | 1000 U | 2980 | 4170 |
| NITRATE-N | 1220 | 0 | 2350 | 109 | 226 U | 7280 | 5060 |
| O-PHOSPHATE-P | 326 U | | 1560 | 100 | 326 U | 4760 | 6680 |
| SULFATE | 19000 | 5 | 22800 | 100 | 1000 U | 22000 | 18800 |

| AREA | | |
|---|---|---|
| LOCATION | WELL SL-1 | WELL CFA-1 |
| TYPE OF LOCATION | WELL | WELL |
| SAMPLE NUMBER | IN415020J | IN414029J |
| MATRIX | WATER | WATER |
| UNITS | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 |
| CHLORIDE | 21000 | 80000 |
| FLUORIDE | 1000 N | 1000 UN |
| NITRATE-N | 1400 | 4750 |
| O-PHOSPHATE-P | 326 U | 326 U |
| SULFATE | 19000 | 30000 |

TABLE D.1.11 INEL ANIONS AND CYANIDE - SDG NUMBER: IN417011J

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION VER TRUE | CALIBRATION VER TRUE | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | INCVA1458 | INCVC1546 | INCVA1443 | INICB1692 | INCVC1488 | IN516011I | IN516044I |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| CHLORIDE | 4070 | 3020 | 4050 | 1000 U | 2870 | 18000 | 19000 |
| FLUORIDE | 2890 | 1900 | 2810 | 1000 U | 1880 | 1000 U | 1000 U |
| NITRATE-N | 6780 | 2370 | 7220 | 226 U | 2420 | 226 UN | 542 N |
| O-PHOSPHATE-P | 4580 | 4730 | 4350 | 326 U | 4540 | 326 U | 326 U |
| SULFATE | 23200 | 14800 | 21500 | 1000 U | 12500 | 24000 N | 24000 N |

| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | WELL 116 WELL | MATRIX SPIKE | MS % RECOVERY | CALIBRATION VER FOUND | CALIBRATION VER FOUND | INITIAL CAL BLANK |
| TYPE OF LOCATION | IN516055I | IN419013J | IN419013J | IN419013J | INCVC1489 | INCVA1444 | INICB1693 |
| SAMPLE NUMBER | WATER | WATER | WATER | | WATER | WATER | WATER |
| MATRIX | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| UNITS | 3 | 2 | 2 | 2 | | | |
| ENV PROBLEM NO | | | | | | | |
| CHLORIDE | 230000 | 72000 | 180000 | 108 | 2970 | 4100 | 1000 U |
| FLUORIDE | 1000 U | 1000 U | 100000 | 100 | 1880 | 2940 | 1000 U |
| NITRATE-N | 4290 N | 3620 N | 144000 | 124 | 2520 | 7570 | 226 U |
| O-PHOSPHATE-P | 326 U | 326 U | 158000 | 97 | 4540 | 4790 | 326 U |
| SULFATE | 28000 N | 35000 N | 440000 | 81 | 12700 | 21500 | 1000 U |

| AREA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION VER FOUND | TRA 1952 WASTE POND | USGS-113 WELL | DUPLICATE | DUPLICATE RPD | CALIBRATION VER FOUND |
| TYPE OF LOCATION | INCVC1490 | IN516022I | IN417011J | IN417011J | IN417011J | INCVC1491 |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | | WATER |
| MATRIX | UG/L | UG/L | UG/L | UG/L | % | UG/L |
| UNITS | | 3 | 2 | 2 | 2 | |
| ENV PROBLEM NO | | | | | | |
| CHLORIDE | 2960 | 200000 | 160000 | 160000 | 0 | 3070 |
| FLUORIDE | 1950 | 1000 | 1000 | 1000 | 0 | 1980 |
| NITRATE-N | 2730 | 7460 N | 6330 N | 6550 | 5 | 2650 |
| O-PHOSPHATE-P | 4690 | 326 U | 326 U | 326 U | | 4690 |
| SULFATE | 13900 | 28000 N | 40000 N | 40000 | 0 | 14200 |

TABLE D.1.12 INEL ANIONS AND CYANIDE - SDG NUMBER: IN502015E

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1547 | INCVD1590 | INCVD1567 | INICB1695 | INCVC1492 | IN514019E | IN514042E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5220 | 1000 U | 3010 | 15 | 23 |
| FLUORIDE | 1900 | 1710 | 1630 | 1000 U | 1910 | 1.3 | 1 |
| NITRATE-N | 2370 | 5860 | 5450 | 226 U | 2450 | 1.9 N | 0.54 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4560 | 326 U | 4800 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 24700 | 1000 U | 13900 | 95 | 99 |

| AREA | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX | MS % | CALIBRATION | CALIBRATION |
| TYPE OF LOCATION | WASTE POND | | RPD | SPIKE | RECOVERY | VER FOUND | VER FOUND |
| SAMPLE NUMBER | IN502026E | IN502026E | IN502026E | IN502026E | IN502026E | INCVC1493 | INCVD1568 |
| MATRIX | SEDIM | SEDIM | | SEDIM | | WATER | WATER |
| UNITS | MG/KG | MG/KG | % | MG/KG | % | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | | |
| CHLORIDE | 19 | 19 | 0 | 272 | 99 | 3130 | 5270 |
| FLUORIDE | 1 U | 1 U | | 252 | 98 | 1940 | 1650 |
| NITRATE-N | 0.75 N | 0.75 | 0 | 168 | 116 | 2570 | 6010 |
| O-PHOSPHATE-P | 0.75 U | 0.75 U | | 365 | 88 | 4740 | 4740 |
| SULFATE | 1400 | 1400 | 0 | 2740 | 105 | 14500 | 25800 |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | BLANK | VER FOUND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INICB1696 | INCVC1494 | IN514020E | IN514053E | IN502015E | IN502037E | IN502048E |
| MATRIX | WATER | WATER | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM |
| UNITS | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 |
| CHLORIDE | 1000 U | 2950 | 20 | 12 | 11 | 82 | 10 |
| FLUORIDE | 1000 U | 1860 | 1 U | 1 U | 1.1 | 1 U | 1 U |
| NITRATE-N | 226 U | 2400 | 1.9 N | 1.3 N | 0.56 N | 1.6 UN | 0.23 UN |
| O-PHOSPHATE-P | 326 U | 4640 | 0.33 U | 0.33 U | 0.65 U | 3.9 U | 0.52 U |
| SULFATE | 1000 U | 15300 | 19 | 15 | 33 | 190 | 43 |

TABLE D.1.12 INEL ANIONS AND CYANIDE - SDG NUMBER: IN502015E

DRAFT DO NOT CITE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AREA | | | | | | | |
| LOCATION | TRA 1952 | TRA 1952 | | | | | |
| TYPE OF LOCATION | WASTE POND | WASTE POND | | | | | |
| SAMPLE NUMBER | IN502059E | IN502060E | | | | | |
| MATRIX | SEDIM | SEDIM | | | | | |
| UNITS | MG/KG | MG/KG | | | | | |
| ENV PROBLEM NO | 3 | 3 | | | | | |
| CHLORIDE | 9 | 110 | | | | | |
| FLUORIDE | 1 U | 1 U | | | | | |
| NITRATE-N | 0.25 N | 6.1 N | | | | | |
| O-PHOSPHATE-P | 0.59 | 4.9 U | | | | | |
| SULFATE | 240 | 540 | | | | | |

TABLE D.1.13 INEL ANIONS AND CYANIDE - SDG NUMBER: IN503016E DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1548 | INCVD1591 | INCVD1569 | INICB1699 | INCVC1495 | IN509034E | IN503027E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5270 | 1000 U | 3010 | 13 | 1 |
| FLUORIDE | 1900 | 1710 | 1560 | 1000 U | 1890 | 7.9 | 1.5 |
| NITRATE-N | 2370 | 5860 | 6320 | 226 U | 2490 | 1.7 N | 0.41 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4610 | 326 U | 4810 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 25100 | 1000 U | 14300 | 4500 | 6.9 |

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MS % | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 |
| TYPE OF LOCATION | SPIKE | RECOVERY | VER FOUND | VER FOUND | BLANK | VER FOUND | WASTE POND |
| SAMPLE NUMBER | IN503027E | IN503027E | INCVC1496 | INCVD1570 | INICB1700 | INCVC1497 | IN503016E |
| MATRIX | SOIL | | WATER | WATER | WATER | WATER | SOIL |
| UNITS | MG/KG | % | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | 3 | 3 | | | | | 3 |
| CHLORIDE | 5.8 | 96 | 3140 | 5280 | 1000 U | 3220 | 3.1 |
| FLUORIDE | 6.3 | 96 | 1940 | 1690 | 1000 U | 2170 | 2 |
| NITRATE-N | 4.1 | 132 | 2720 | 6120 | 226 U | 2640 | 0.38 N |
| O-PHOSPHATE-P | 7.8 | 96 | 4910 | 4310 | 326 U | 4640 | 0.33 U |
| SULFATE | 32 | 100 | 15600 | 24100 | 1000 U | 15300 | 190 |

| AREA | | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | TRA 1952 | DUPLICATE | DUPLICATE | CALIBRATION |
| TYPE OF LOCATION | WASTE POND | | RPD | VER FOUND |
| SAMPLE NUMBER | IN503038E | IN503038E | IN503038E | INCVC1498 |
| MATRIX | SOIL | SOIL | | WATER |
| UNITS | MG/KG | MG/KG | % | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | |
| CHLORIDE | 2.2 | 2.2 | 0 | 3550 |
| FLUORIDE | 1 | 1 | 0 | 2600 |
| NITRATE-N | 0.45 N | 0.45 | 0 | 2830 |
| O-PHOSPHATE-P | 0.82 | 0.82 | 0 | 4750 |
| SULFATE | 22 | 23 | 4 | 15600 |

TABLE D.1.14 INEL ANIONS AND CYANIDE - SDG NUMBER: IN503050H

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION VER TRUE | CALIBRATION VER TRUE | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND | DUPLICATE |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | INCVC1549 | INCVD1592 | INCVD1571 | INICB1703 | INCVC1499 | IN515010E | IN515010E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5330 | 1000 U | 3020 | 5.9 | 5.9 |
| FLUORIDE | 1900 | 1710 | 1660 | 1000 U | 1970 | 3.3 | 3.3 |
| NITRATE-N | 2370 | 5860 | 6250 | 226 U | 2450 | 1.6 N | 1.6 |
| O-PHOSPHATE-P | 4730 | 4770 | 4630 | 326 U | 4830 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 25700 | 1000 U | 14600 | 1.4 | 1.4 |

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE RPD | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CALIBRATION VER FOUND | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN515010E | IN515021E | IN503050H | INCVC1500 | INCVD1572 | INICB1704 | INCVC1501 |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | | | | |
| CHLORIDE | 0 | 7.8 | 1000 U | 3130 | 5120 | 1000 U | 3040 |
| FLUORIDE | 0 | 1.9 | 1000 U | 2010 | 1700 | 1000 U | 2060 |
| NITRATE-N | 0 | 0.32 N | 226 UN | 2580 | 6250 | 226 U | 2600 |
| O-PHOSPHATE-P | | 0.33 U | 326 U | 4930 | 4730 | 326 U | 4990 |
| SULFATE | 0 | 6.9 | 1000 U | 15200 | 23900 | 1000 U | 15100 |

| AREA | | | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | CALIBRATION VER FOUND | | |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN512017D | IN515032E | IN515032E | IN515032E | INCVC1502 | | |
| MATRIX | SOIL | SOIL | SOIL | | WATER | | |
| UNITS | MG/KG | MG/KG | MG/KG | % | UG/L | | |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | | | |
| CHLORIDE | 15 | 4.7 | 30 | 105 | 3180 | | |
| FLUORIDE | 2.7 | 3 | 29 | 108 | 2170 | | |
| NITRATE-N | 0.7 N | 0.7 N | 19 | 131 | 2600 | | |
| O-PHOSPHATE-P | 0.33 U | 0.33 U | 40 | 100 | 5110 | | |
| SULFATE | 15 | 17 | 137 | 98 | 15100 | | |

TABLE D.1.15 INEL ANIONS AND CYANIDE - SDG NUMBER: IN505018D

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | BLANK | VER FOUND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1550 | INCVD1593 | INICB1707 | INCVC1503 | IN505018D | IN505030D | IN505052D |
| MATRIX | WATER | WATER | WATER | WATER | SEDIM | SEDIM | SEDIM |
| UNITS | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 1000 U | 2800 | 2.2 | 6 | 3.1 |
| FLUORIDE | 1900 | 1710 | 1000 U | 1960 | 1 U | 1.5 | 1 U |
| NITRATE-N | 2370 | 5860 | 226 U | 2800 | 4.3 | 1.1 | 0.23 U |
| O-PHOSPHATE-P | 4730 | 4770 | 326 U | 4820 | 3.2 | 6.8 | 5.2 |
| SULFATE | 14800 | 24100 | 1000 U | 11500 | 8.6 | 7.1 | 4.3 |

| AREA | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 | CALIBRATION |
| TYPE OF LOCATION | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND | WASTE POND | VER FOUND |
| SAMPLE NUMBER | INCVD1573 | INICB1708 | INCVC1504 | IN505029D | IN505041D | IN505063D | INCVC1505 |
| MATRIX | WATER | WATER | WATER | SEDIM | SEDIM | SEDIM | WATER |
| UNITS | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | |
| CHLORIDE | 5270 | 1000 U | 3170 | 3 | 8.8 | 11 | 3380 |
| FLUORIDE | 1710 | 1000 U | 2010 | 1 U | 2.1 | 2.5 | 2100 |
| NITRATE-N | 6360 | 226 U | 2930 | 0.27 | 0.23 U | 0.23 U | 3160 |
| O-PHOSPHATE-P | 4640 | 326 U | 5060 | 4.2 | 12 | 12 | 5710 |
| SULFATE | 21900 | 1000 U | 14200 | 9.1 | 31 | 7.8 | 15000 |

TABLE D.1.16 INEL ANIONS AND CYANIDE - SDG NUMBER: IN506020D

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION VER TRUE | CALIBRATION VER TRUE | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | INCVC1551 | INCVD1594 | INCVD1574 | INICB1710 | INCVC1506 | IN506020D | IN509023E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5330 | 1000 U | 2980 | 2.5 | 4 |
| FLUORIDE | 1900 | 1710 | 1580 | 1000 U | 1920 | 2 | 3.3 |
| NITRATE-N | 2370 | 5860 | 6140 | 226 U | 2390 | 0.54 N | 1.5 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4570 | 326 U | 4960 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 26900 | 1000 U | 13100 | 16 | 580 |

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE RPD | CALIBRATION VER FOUND | CALIBRATION VER FOUND | INITIAL CAL BLANK | CALIBRATION VER FOUND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN506020D | IN506020D | INCVC1507 | INCVD1575 | INICB1711 | INCVC1508 | IN509012E |
| MATRIX | SOIL | | WATER | WATER | WATER | WATER | SEDIM |
| UNITS | MG/KG | % | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | 3 | 3 | | | | | 3 |
| CHLORIDE | 2.6 | 4 | 3070 | 5250 | 1000 U | 3120 | 13 |
| FLUORIDE | 2.1 | 5 | 1960 | 1700 | 1000 U | 2090 | 4.4 |
| NITRATE-N | 0.54 | 0 | 2390 | 6150 | 226 U | 2500 | 2 N |
| O-PHOSPHATE-P | 0.33 U | | 4870 | 4670 | 326 U | 4920 | 0.33 U |
| SULFATE | 15 | 6 | 14200 | 23800 | 1000 U | 14800 | 3100 |

| AREA | | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | CALIBRATION VER FOUND |
| TYPE OF LOCATION | | | | |
| SAMPLE NUMBER | IN506031D | IN506031D | IN506031D | INCVC1509 |
| MATRIX | SOIL | SOIL | | WATER |
| UNITS | MG/KG | MG/KG | % | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | |
| CHLORIDE | 4.2 | 28 | 113 | 3310 |
| FLUORIDE | 1.8 | 24 | 106 | 2190 |
| NITRATE-N | 0.79 N | 16 | 127 | 2600 |
| O-PHOSPHATE-P | 0.33 U | 33 | 97 | 5040 |
| SULFATE | 29 | 132 | 99 | 15500 |

TABLE D.1.17 INEL ANIONS AND CYANIDE - SDG NUMBER: IN506053G DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | DUPLICATE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | |
| SAMPLE NUMBER | INCVC1552 | INCVD1595 | INCVD1576 | INICB1712 | INCVC1510 | IN506053G | IN506053G |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5240 | 1000 U | 3070 | 33000 | 34000 |
| FLUORIDE | 1900 | 1710 | 1680 | 1000 U | 2030 | 1000 U | 1000 U |
| NITRATE-N | 2370 | 5860 | 6280 | 226 U | 2510 | 1310 N | 1380 |
| O-PHOSPHATE-P | 4730 | 4770 | 4780 | 326 U | 5040 | 326 U | 326 U |
| SULFATE | 14800 | 24100 | 23900 | 1000 U | 15200 | 14000 | 14000 |

| AREA | QA | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | DUPLICATE | MATRIX | MS % | CALIBRATION |
| TYPE OF LOCATION | RPD | SPIKE | RECOVERY | VER FOUND |
| SAMPLE NUMBER | IN506053G | IN506053G | IN506053G | INCVC1511 |
| MATRIX | | WATER | | WATER |
| UNITS | % | UG/L | % | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | |
| CHLORIDE | 3 | 54000 | 105 | 3130 |
| FLUORIDE | | 20000 | 100 | 2010 |
| NITRATE-N | 7 | 15600 | 134 | 2510 |
| O-PHOSPHATE-P | | 33900 | 103 | 5130 |
| SULFATE | 0 | 113000 | 99 | 15200 |

TABLE D.1.18 INEL ANIONS AND CYANIDE - SDG NUMBER: IN507010F DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVA1459 | INCVC1553 | INCVA1445 | INICB1713 | INCVC1512 | IN507010F | IN507021F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 4130 | 1000 U | 2910 | 5300 | 8800 |
| FLUORIDE | 2890 | 1900 | 2890 | 1000 U | 1900 | 1000 U | 2600 |
| NITRATE-N | 6780 | 2370 | 7250 | 226 U | 2400 | 565 N | 226 UN |
| O-PHOSPHATE-P | 4580 | 4730 | 4540 | 326 U | 4410 | 326 UN | 326 UN |
| SULFATE | 23200 | 14800 | 22200 | 1000 U | 12500 | 380000 N | 1500000 N |

| AREA | | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | WASTE POND | VER FOUND | BLANK | VER FOUND | WASTE POND | | RPD |
| SAMPLE NUMBER | IN507054F | INCVA1446 | INICB1714 | INCVC1513 | IN507043F | IN507043F | IN507043F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 3 | | | | 3 | 3 | 3 |
| CHLORIDE | 8100 | 4200 | 1000 U | 2980 | 4500 | 4500 | 0 |
| FLUORIDE | 2400 | 2940 | 1000 U | 1940 | 1000 U | 1000 U | |
| NITRATE-N | 226 UN | 7290 | 226 U | 2530 | 497 N | 497 | 0 |
| O-PHOSPHATE-P | 326 UN | 4830 | 326 U | 4830 | 326 UN | 326 U | |
| SULFATE | 2400000 N | 19500 | 1000 U | 13900 | 60000 N | 61000 | 2 |

| AREA | QA | QA | QA |
|---|---|---|---|
| LOCATION | MATRIX | MS % | CALIBRATION |
| TYPE OF LOCATION | SPIKE | RECOVERY | VER FOUND |
| SAMPLE NUMBER | IN507043F | IN507043F | INCVC1514 |
| MATRIX | WATER | | WATER |
| UNITS | UG/L | % | UG/L |
| ENV PROBLEM NO | 3 | 3 | |
| CHLORIDE | 5530 | 100 | 2940 |
| FLUORIDE | 1000 | 100 | 1940 |
| NITRATE-N | 1880 | 127 | 2530 |
| O-PHOSPHATE-P | 1930 | 119 | 4830 |
| SULFATE | 64500 | 80 | 13400 |

TABLE D.1.19 INEL ANIONS AND CYANIDE - SDG NUMBER: IN508011E DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1554 | INCVD1596 | INCVD1577 | INICB1716 | INCVC1515 | IN508011E | IN508044E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 4830 | 1000 U | 2790 | 27 | 19 |
| FLUORIDE | 1900 | 1710 | 1670 | 1000 U | 1930 | 5.8 | 2.8 |
| NITRATE-N | 2370 | 5860 | 6220 | 226 U | 2780 | 9 | 5.9 |
| O-PHOSPHATE-P | 4730 | 4770 | 4580 | 326 U | 4760 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 20900 | 1000 U | 11600 | 5000 | 1700 |

| AREA | | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 | CALIBRATION |
| TYPE OF LOCATION | WASTE POND | BLANK | VER FOUND | WASTE POND | WASTE POND | WASTE POND | VER FOUND |
| SAMPLE NUMBER | IN517012F | INICB1715 | INCVC1516 | IN508022E | IN508055E | IN517023F | INCVC1517 |
| MATRIX | SEDIM | WATER | WATER | SEDIM | SEDIM | SEDIM | WATER |
| UNITS | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | 3 | | | 3 | 3 | 3 | |
| CHLORIDE | 40 | 1000 U | 2940 | 28 | 18 | 58 | 2730 |
| FLUORIDE | 1.2 | 1000 U | 1910 | 42 | 32 | 1 U | 1690 |
| NITRATE-N | 0.68 | 226 U | 2740 | 1.4 U | 1.6 U | 2.3 | 2560 |
| O-PHOSPHATE-P | 0.62 | 326 U | 4770 | 2.6 U | 3 U | 0.33 U | 4120 |
| SULFATE | 20 | 1000 U | 13400 | 9200 | 9200 | 16 | 12600 |

TABLE D.1.20 INEL ANIONS AND CYANIDE - SDG NUMBER: IN510015C

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | DUPLICATE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | |
| SAMPLE NUMBER | INCVA1460 | INCVC1555 | INCVA1447 | INICB1717 | INCVC1518 | IN510015C | IN510015C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 4060 | 1000 U | 2980 | 130000 N | 130000 |
| FLUORIDE | 2890 | 1900 | 2890 | 1000 U | 1910 | 1000 | 1000 |
| NITRATE-N | 6780 | 2370 | 7530 | 226 U | 2430 | 768 * | 1360 |
| O-PHOSPHATE-P | 4580 | 4730 | 4670 | 326 U | 4760 | 326 U | 326 U |
| SULFATE | 23200 | 14800 | 21900 | 1000 U | 13400 | 39000 | 41000 |

| AREA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | DUPLICATE | MATRIX | MS % |
| TYPE OF LOCATION | RPD | | RPD | SPIKE | RECOVERY |
| SAMPLE NUMBER | IN510015C | IN510015C | IN510015C | IN510015C | IN510015C |
| MATRIX | | WATER | | WATER | |
| UNITS | % | UG/L | % | UG/L | % |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 |
| CHLORIDE | 0 | 130000 | 0 | 160000 | 75 |
| FLUORIDE | 0 | 1000 | 0 | 36200 | 88 |
| NITRATE-N | 58 | 836 | 9 | 48600 | 107 |
| O-PHOSPHATE-P | | 326 U | | 56100 | 86 |
| SULFATE | 5 | 39000 | 0 | | |

TABLE D.1.21 INEL ANIONS AND CYANIDE - SDG NUMBER: IN510026C

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVA1461 | INCVC1556 | INCVA1448 | INICB1718 | INCVC1519 | IN513018F | IN513041F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 4170 | 1000 U | 3050 | 42000 | 43000 |
| FLUORIDE | 2890 | 1900 | 2950 | 1000 U | 1970 | 1000 U | 1000 U |
| NITRATE-N | 6780 | 2370 | 7860 | 226 U | 2470 | 226 N | 226 N |
| O-PHOSPHATE-P | 4580 | 4730 | 4370 | 326 U | 4750 | 326 UN | 326 UN |
| SULFATE | 23200 | 14800 | 22900 | 1000 U | 13200 | 36000 N | 36000 N |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | MATRIX | MS % | CALIBRATION | INITIAL CAL | CALIBRATION |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | VER FOUND | BLANK | VER FOUND |
| SAMPLE NUMBER | IN513041F | IN513041F | IN513041F | IN513041F | INCVA1449 | INICB1719 | INCVC1520 |
| MATRIX | WATER | | WATER | | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | | | |
| CHLORIDE | 44000 | 2 | 66200 | 115 | 4340 | 1000 U | 3270 |
| FLUORIDE | 1000 U | | 20100 | 100 | 3060 | 1000 U | 2110 |
| NITRATE-N | 226 | 0 | 29400 | 125 | 7940 | 226 U | 2850 |
| O-PHOSPHATE-P | 326 U | | 26600 | 82 | 4340 | 326 U | 4940 |
| SULFATE | 36000 | 0 | 119000 | 83 | 22900 | 1000 U | 15200 |

| AREA | | | |
|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN513029F | IN513052F | IN510026C |
| MATRIX | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 |
| CHLORIDE | 42000 | 45000 | 86000 |
| FLUORIDE | 1000 U | 1000 U | 1000 U |
| NITRATE-N | 271 N | 226 N | 497 N |
| O-PHOSPHATE-P | 326 UN | 1010 N | 326 UN |
| SULFATE | 34000 N | 33000 N | 43000 N |

TABLE D.1.22 INEL ANIONS AND CYANIDE - SDG NUMBER: IN510048C

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVA1462 | INCVC1557 | INCVA1450 | INICB1720 | INCVC1521 | IN510048C | IN510059C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 3860 | 1000 U | 2840 | 140000 | 69000 |
| FLUORIDE | 2890 | 1900 | 2820 | 1000 U | 1900 | 1000 | 1000 U |
| NITRATE-N | 6780 | 2370 | 7490 | 226 U | 2340 | 249 | 316 |
| O-PHOSPHATE-P | 4580 | 4730 | 4580 | 326 U | 4700 | 326 U | 326 U |
| SULFATE | 23200 | 14800 | 21500 | 1000 U | 13400 | 44000 | 39000 |

TABLE D.1.23 INEL ANIONS AND CYANIDE - SDG NUMBER: IN510253C

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | MATRIX |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | SPIKE |
| SAMPLE NUMBER | INCVA1463 | INCVC1558 | INCVA1451 | INICB1721 | INCVC1522 | IN510253C | IN510253C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 4070 | 3020 | 4140 | 1000 U | 3000 | 1000 U | 2140 |
| FLUORIDE | 2890 | 1900 | 2980 | 1000 U | 1960 | 1000 U | 1960 |
| NITRATE-N | 6780 | 2370 | 7720 | 226 U | 2420 | 3050 N | 3440 |
| O-PHOSPHATE-P | 4580 | 4730 | 4680 | 326 U | 4680 | 326 U | 3120 |
| SULFATE | 23200 | 14800 | 22300 | 1000 U | 13900 | 1000 U | 9260 |

| AREA | QA |
|---|---|
| LOCATION | MS % |
| TYPE OF LOCATION | RECOVERY |
| SAMPLE NUMBER | IN510253C |
| MATRIX | |
| UNITS | % |
| ENV PROBLEM NO | 3 |
| CHLORIDE | 105 |
| FLUORIDE | 100 |
| NITRATE-N | 53 |
| O-PHOSPHATE-P | 94 |
| SULFATE | 93 |

TABLE D.1.24 INEL ANIONS AND CYANIDE - SDG NUMBER: IN511016D

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | OMRE | DUPLICATE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | LEACH POND | |
| SAMPLE NUMBER | INCVC1559 | INCVD1597 | INCVD1578 | INICB1722 | INCVC1523 | IN810018C | IN810018C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 5 | 5 |
| CHLORIDE | 3020 | 5150 | 5190 | 1000 U | 3020 | 1.4 | 1.3 |
| FLUORIDE | 1900 | 1710 | 1620 | 1000 U | 1880 | 2.5 | 2.5 |
| NITRATE-N | 2370 | 5860 | 5520 | 226 U | 2500 | 0.61 | 0.61 |
| O-PHOSPHATE-P | 4730 | 4770 | 4650 | 326 U | 4830 | 0.62 | 0.62 |
| SULFATE | 14800 | 24100 | 25000 | 1000 U | 13900 | 5.3 | 5.3 |

| AREA | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | MATRIX | MS % | OMRE | TRA 1952 | CALIBRATION | INITIAL CAL |
| TYPE OF LOCATION | RPD | SPIKE | RECOVERY | LEACH POND | WASTE POND | VER FOUND | BLANK |
| SAMPLE NUMBER | IN810018C | IN810018C | IN810018C | IN810029C | IN511050D | INCVD1579 | INICB1723 |
| MATRIX | | SOIL | | SOIL | SEDIM | WATER | WATER |
| UNITS | % | MG/KG | % | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | 5 | 5 | 5 | 5 | 3 | | |
| CHLORIDE | 7 | 21 | 93 | 10 | 27 | 5280 | 1000 U |
| FLUORIDE | 0 | 22 | 93 | 2.2 | 1.4 | 1700 | 1000 U |
| NITRATE-N | 0 | 14 | 112 | 6.3 | 2.5 | 5390 | 226 U |
| O-PHOSPHATE-P | 0 | 31 | 89 | 1.3 | 1.1 | 4550 | 326 U |
| SULFATE | 0 | 94 | 85 | 14 | 21 | 24100 | 1000 U |

| AREA | QA | | | | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 | CALIBRATION | | |
| TYPE OF LOCATION | VER FOUND | WASTE POND | WASTE POND | WASTE POND | VER FOUND | | |
| SAMPLE NUMBER | INCVC1524 | IN511016D | IN511027D | IN511049D | INCVC1525 | | |
| MATRIX | WATER | SEDIM | SEDIM | SEDIM | WATER | | |
| UNITS | UG/L | MG/KG | MG/KG | MG/KG | UG/L | | |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | |
| CHLORIDE | 2950 | 38 | 38 | 91 | 3060 | | |
| FLUORIDE | 1890 | 1.6 | 1 U | 1.6 | 2010 | | |
| NITRATE-N | 2330 | 12 | 1.1 | 1.9 | 2500 | | |
| O-PHOSPHATE-P | 4630 | 0.62 | 1.1 | 0.75 | 4930 | | |
| SULFATE | 14800 | 440 | 10 | 200 | 15400 | | |

TABLE D.1.25 INEL ANIONS AND CYANIDE - SDG NUMBER: IN512028D

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1560 | INCVD1598 | INCVD1580 | INICB1725 | INCVC1526 | IN512028D | IN518013F |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5350 | 1000 U | 2840 | 21 | 9.7 |
| FLUORIDE | 1900 | 1710 | 1640 | 1000 U | 1990 | 3 | 2.4 |
| NITRATE-N | 2370 | 5860 | 6260 | 226 U | 2450 | 0.23 | 0.79 |
| O-PHOSPHATE-P | 4730 | 4770 | 4690 | 326 U | 4850 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 25300 | 1000 U | 14400 | 13 | 17 |

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 |
| TYPE OF LOCATION | | RPD | VER FOUND | VER FOUND | BLANK | VER FOUND | WASTE POND |
| SAMPLE NUMBER | IN518013F | IN518013F | INCVC1527 | INCVD1581 | INICB1726 | INCVC1528 | IN512039D |
| MATRIX | SOIL | | WATER | WATER | WATER | WATER | SOIL |
| UNITS | MG/KG | % | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | 3 | 3 | | | | | 3 |
| CHLORIDE | 9.7 | 0 | 3070 | 5160 | 1000 U | 3140 | 15 |
| FLUORIDE | 2.5 | 4 | 1990 | 1690 | 1000 U | 2060 | 2.6 |
| NITRATE-N | 0.79 | 0 | 2490 | 6220 | 226 U | 2640 | 0.68 |
| O-PHOSPHATE-P | 0.33 U | | 4850 | 4760 | 326 U | 5010 | 0.33 U |
| SULFATE | 17 | 0 | 14500 | 23800 | 1000 U | 14800 | 15 |

| AREA | | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | TRA 1952 | MATRIX | MS % | CALIBRATION |
| TYPE OF LOCATION | WASTE POND | SPIKE | RECOVERY | VER FOUND |
| SAMPLE NUMBER | IN518035F | IN518035F | IN518035F | INCVC1529 |
| MATRIX | SOIL | SOIL | | WATER |
| UNITS | MG/KG | MG/KG | % | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | |
| CHLORIDE | 5.4 | 9.9 | 107 | 3190 |
| FLUORIDE | 1.2 | 5.3 | 98 | 2120 |
| NITRATE-N | 2 | 4.6 | 108 | 2540 |
| O-PHOSPHATE-P | 0.33 U | 6.9 | 100 | 5010 |
| SULFATE | 17 | 38 | 100 | 15200 |

TABLE D.1.26 INEL ANIONS AND CYANIDE - SDG NUMBER: IN517045F

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | OMRE |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | LEACH POND |
| SAMPLE NUMBER | INCVC1561 | INCVD1599 | INCVD1582 | INICB1729 | INCVC1530 | IN517045F | IN811019C |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SEDIM | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 5 |
| CHLORIDE | 3020 | 5150 | 4800 | 1000 U | 2800 | 64 | 5.3 |
| FLUORIDE | 1900 | 1710 | 1710 | 1000 U | 1960 | 1.8 | 1 |
| NITRATE-N | 2370 | 5860 | 6310 | 226 U | 2800 | 1.1 N | 1.4 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4580 | 326 U | 4760 | 0.33 U | 0.33 U |
| SULFATE | 14800 | 24100 | 20900 | 1000 U | 11300 | 12 N | 6.1 N |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | MATRIX | MS % | CALIBRATION | CALIBRATION | INITIAL CAL |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | VER FOUND | VER FOUND | BLANK |
| SAMPLE NUMBER | IN811019C | IN811019C | IN811019C | IN811019C | INCVC1531 | INCVD1583 | INICB1730 |
| MATRIX | SOIL | | SOIL | | WATER | WATER | WATER |
| UNITS | MG/KG | % | MG/KG | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 5 | 5 | 5 | 5 | | | |
| CHLORIDE | 5.3 | 0 | 43 | 92 | 2840 | 5270 | 1000 U |
| FLUORIDE | 1 | 0 | 42 | 100 | 1990 | 1710 | 1000 U |
| NITRATE-N | 1.4 | 0 | 28 | 116 | 2860 | 6240 | 226 U |
| O-PHOSPHATE-P | 0.33 U | | 61 | 91 | 4820 | 4730 | 326 U |
| SULFATE | 6.1 | 0 | 150 | 70 | 11900 | 22300 | 1000 U |

| AREA | QA | | |
|---|---|---|---|
| LOCATION | CALIBRATION | TRA 1952 | OMRE |
| TYPE OF LOCATION | VER FOUND | WASTE POND | LEACH POND |
| SAMPLE NUMBER | INCVC1532 | IN517056F | IN811020C |
| MATRIX | WATER | SEDIM | SOIL |
| UNITS | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 5 |
| CHLORIDE | 3500 | 68 | 140 |
| FLUORIDE | 1940 | 1 U | 1 |
| NITRATE-N | 2810 | 1.3 N | 2.7 N |
| O-PHOSPHATE-P | 4930 | 0.33 U | 1.2 |
| SULFATE | 13900 | 77 N | 17 N |

TABLE D.1.27 INEL ANIONS AND CYANIDE - SDG NUMBER: IN520017E DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1562 | INCVD1600 | INCVD1584 | INICB1731 | INCVC1533 | IN520017E | IN520039E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5050 | 1000 U | 2780 | 44 | 27 |
| FLUORIDE | 1900 | 1710 | 1660 | 1000 U | 1930 | 9 | 6.7 |
| NITRATE-N | 2370 | 5860 | 6590 | 226 U | 2780 | 0.23 UN | 0.23 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4640 | 326 U | 4830 | 0.33 U | 0.42 |
| SULFATE | 14800 | 24100 | 23600 | 1000 U | 11800 | '270 | 550 |

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | DUPLICATE | DUPLICATE | TRA 1952 | MATRIX | MS % | CALIBRATION | INITIAL CAL |
| TYPE OF LOCATION | | RPD | WASTE POND | SPIKE | RECOVERY | VER FOUND | BLANK |
| SAMPLE NUMBER | IN520017E | IN520017E | IN520051E | IN520017E | IN520017E | INCVD1585 | INICB1732 |
| MATRIX | SEDIM | | SEDIM | SEDIM | | WATER | WATER |
| UNITS | MG/KG | % | MG/KG | MG/KG | % | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | | |
| CHLORIDE | 47 | 7 | 33 | 108 | 98 | 5390 | 1000 U |
| FLUORIDE | 9.1 | 1 | 8.7 | 74 | 100 | 1750 | 1000 U |
| NITRATE-N | 0.23 U | | 0.25 N | 179 | 123 | 6280 | 226 U |
| O-PHOSPHATE-P | 0.33 U | | 0.33 U | 90 | 85 | 4530 | 326 U |
| SULFATE | 290 | 7 | 3300 | 628 | 110 | 21900 | 1000 U |

| AREA | QA | | | | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | TRA 1952 | TRA 1952 | TRA 1952 | CALIBRATION | | |
| TYPE OF LOCATION | VER FOUND | WASTE POND | WASTE POND | WASTE POND | VER FOUND | | |
| SAMPLE NUMBER | INCVC1534 | IN520028E | IN520040E | IN520062E | INCVC1535 | | |
| MATRIX | WATER | SEDIM | SEDIM | SEDIM | WATER | | |
| UNITS | UG/L | MG/KG | MG/KG | MG/KG | UG/L | | |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | |
| CHLORIDE | 3080 | 22 | 34 | 36 | 3070 | | |
| FLUORIDE | 2080 | 6.6 | 9.1 | 6.8 | 2000 | | |
| NITRATE-N | 2830 | 0.27 N | 0.23 UN | 0.7 N | 2860 | | |
| O-PHOSPHATE-P | 4860 | 0.33 U | 0.33 U | 0.39 | 4640 | | |
| SULFATE | 13800 | 1800 | 470 | 290 | 13800 | | |

TABLE D.1.28 INEL ANIONS AND CYANIDE - SDG NUMBER: IN522019E DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | VER TRUE | VER TRUE | VER FOUND | BLANK | VER FOUND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | INCVC1563 | INCVD1601 | INCVD1586 | INICB1733 | INCVC1536 | IN522019E | IN522031E |
| MATRIX | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| CHLORIDE | 3020 | 5150 | 5040 | 1000 U | 2800 | 14 | 8.6 |
| FLUORIDE | 1900 | 1710 | 1670 | 1000 U | 1950 | 4.8 | 3.2 |
| NITRATE-N | 2370 | 5860 | 6620 | 226 U | 2820 | 0.66 N | 5 N |
| O-PHOSPHATE-P | 4730 | 4770 | 4550 | 326 U | 4810 | 0.82 | 0.49 |
| SULFATE | 14800 | 24100 | 23500 | 1000 U | 11500 | 24 | 41 |

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | DUPLICATE | DUPLICATE | CALIBRATION | INITIAL CAL | CALIBRATION | TRA 1952 |
| TYPE OF LOCATION | WASTE POND | | RPD | VER FOUND | BLANK | VER FOUND | WASTE POND |
| SAMPLE NUMBER | IN522053E | IN522031E | IN522031E | INCVC1537 | INICB1734 | INCVC1538 | IN522020E |
| MATRIX | SOIL | SOIL | | WATER | WATER | WATER | SOIL |
| UNITS | MG/KG | MG/KG | % | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | | | | 3 |
| CHLORIDE | 19 | 8.7 | 1 | 2890 | 1000 U | 3130 | 9.3 |
| FLUORIDE | 4.2 | 3.3 | 3 | 2010 | 1000 U | 1940 | 3 |
| NITRATE-N | 2.1 N | 5 | 0 | 2920 | 226 U | 2810 | 4.7 N |
| O-PHOSPHATE-P | 2 | 0.49 | 0 | 4810 | 326 U | 4780 | 0.82 |
| SULFATE | 110 | 42 | 2 | 12000 | 1000 U | 13800 | 140 |

| AREA | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | MATRIX | MS % | | | |
| TYPE OF LOCATION | WASTE POND | WASTE POND | SPIKE | RECOVERY | | | |
| SAMPLE NUMBER | IN522042E | IN522064E | IN522064E | IN522064E | | | |
| MATRIX | SOIL | SOIL | SOIL | | | | |
| UNITS | MG/KG | MG/KG | MG/KG | % | | | |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | | | |
| CHLORIDE | 37 | 22 | 78 | 104 | | | |
| FLUORIDE | 6.2 | 7 | 62 | 102 | | | |
| NITRATE-N | 0.29 N | 2 N | 153 | 125 | | | |
| O-PHOSPHATE-P | 1.1 | 5.5 | 94 | 102 | | | |
| SULFATE | 620 | 160 | 401 | 90 | | | |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 1 | IN301012C | IN301012C | D.2.2 (D-55) |
| 1 | IN301012C | IN803053A | D.2.64 (D-248) |
| 1 | IN301012C | IN811020A | D.2.69 (D-264) |
| 1 | IN301012D | IN301012D | D.2.3 (D-58) |
| 1 | IN301012D | IN301012K | D.2.4 (D-64) |
| 1 | IN301045C | IN301012C | D.2.2 (D-55) |
| 1 | IN301045C | IN803053A | D.2.64 (D-248) |
| 1 | IN301045C | IN811020A | D.2.69 (D-265) |
| 1 | IN301045D | IN301012K | D.2.4 (D-64) |
| 1 | IN301045D | IN301045D | D.2.5 (D-72) |
| 1 | IN301078C | IN301012C | D.2.2 (D-55) |
| 1 | IN301078C | IN803053A | D.2.64 (D-248) |
| 1 | IN301078C | IN811020A | D.2.69 (D-264) |
| 1 | IN301078D | IN301012D | D.2.3 (D-58) |
| 1 | IN301078D | IN301012K | D.2.4 (D-64) |
| 2 | IN401013H | IN401013H | D.2.6 (D-74) |
| 2 | IN401013H | IN401035A | D.2.9 (D-85) |
| 2 | IN401013H | IN415020H | D.2.24 (D-136) |
| 2 | IN401013I | IN401013I | D.2.7 (D-79) |
| 2 | IN401013I | IN401013K | D.2.8 (D-83) |
| 2 | IN401024H | IN401013H | D.2.6 (D-74) |
| 2 | IN401024H | IN401035A | D.2.9 (D-85) |
| 2 | IN401024H | IN415020H | D.2.24 (D-136) |
| 2 | IN401024I | IN401013I | D.2.7 (D-79) |
| 2 | IN401024I | IN401013K | D.2.8 (D-83) |
| 2 | IN401035A | IN401013H | D.2.6 (D-74) |
| 2 | IN401035A | IN401035A | D.2.9 (D-85) |
| 2 | IN401035A | IN415020H | D.2.24 (D-137) |
| 2 | IN401035B | IN401013I | D.2.7 (D-80) |
| 2 | IN401035B | IN401013K | D.2.8 (D-83) |
| 2 | IN402014H | IN401035A | D.2.9 (D-85) |
| 2 | IN402014H | IN402014H | D.2.10 (D-87) |
| 2 | IN402014H | IN415020H | D.2.24 (D-137) |
| 2 | IN402014I | IN402014I | D.2.11 (D-90) |
| 2 | IN402014I | IN402014K | D.2.12 (D-95) |
| 2 | IN402025H | IN401035A | D.2.9 (D-85) |
| 2 | IN402025H | IN402014H | D.2.10 (D-87) |
| 2 | IN402025H | IN415020H | D.2.24 (D-137) |
| 2 | IN402025I | IN402014I | D.2.11 (D-91) |
| 2 | IN402025I | IN402014K | D.2.12 (D-95) |
| 2 | IN403015H | IN401035A | D.2.9 (D-85) |
| 2 | IN403015H | IN402014H | D.2.10 (D-87) |
| 2 | IN403015H | IN415020H | D.2.24 (D-137) |
| 2 | IN403015I | IN402014I | D.2.11 (D-92) |
| 2 | IN403015I | IN402014K | D.2.12 (D-96) |
| 2 | IN403026H | IN401035A | D.2.9 (D-85) |
| 2 | IN403026H | IN402014H | D.2.10 (D-87) |
| 2 | IN403026H | IN415020H | D.2.24 (D-137) |
| 2 | IN403026I | IN402014I | D.2.11 (D-92) |
| 2 | IN403026I | IN402014K | D.2.12 (D-96) |
| 2 | IN404016H | IN401035A | D.2.9 (D-86) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 2 | IN404016H | IN404016H | D.2.13 (D-97) |
| 2 | IN404016H | IN415020H | D.2.24 (D-138) |
| 2 | IN404016I | IN404016I | D.2.14 (D-102) |
| 2 | IN404016I | IN404016K | D.2.15 (D-105) |
| 2 | IN404027H | IN404016H | D.2.13 (D-97) |
| 2 | IN404027H | IN408010H | D.2.18 (D-116) |
| 2 | IN404027H | IN423020H | D.2.25 (D-141) |
| 2 | IN404027I | IN404016I | D.2.14 (D-102) |
| 2 | IN404027I | IN404016K | D.2.15 (D-105) |
| 2 | IN405017H | IN401013H | D.2.6 (D-74) |
| 2 | IN405017I | IN401013I | D.2.7 (D-78) |
| 2 | IN405017I | IN401013K | D.2.8 (D-83) |
| 2 | IN406018H | IN404016H | D.2.13 (D-97) |
| 2 | IN406018H | IN408010H | D.2.18 (D-116) |
| 2 | IN406018H | IN423020H | D.2.25 (D-141) |
| 2 | IN406018I | IN406018I | D.2.16 (D-109) |
| 2 | IN406018I | IN406018K | D.2.17 (D-114) |
| 2 | IN406029H | IN404016H | D.2.13 (D-98) |
| 2 | IN406029H | IN408010H | D.2.18 (D-116) |
| 2 | IN406029H | IN423020H | D.2.25 (D-140) |
| 2 | IN406029I | IN406018I | D.2.16 (D-110) |
| 2 | IN406029I | IN406018K | D.2.17 (D-114) |
| 2 | IN407019H | IN404016H | D.2.13 (D-98) |
| 2 | IN407019H | IN408010H | D.2.18 (D-116) |
| 2 | IN407019H | IN423020H | D.2.25 (D-142) |
| 2 | IN407019I | IN406018I | D.2.16 (D-110) |
| 2 | IN407019I | IN406018K | D.2.17 (D-114) |
| 2 | IN407020H | IN404016H | D.2.13 (D-98) |
| 2 | IN407020H | IN408010H | D.2.18 (D-116) |
| 2 | IN407020H | IN423020H | D.2.25 (D-140) |
| 2 | IN407020I | IN406018I | D.2.16 (D-110) |
| 2 | IN407020I | IN406018K | D.2.17 (D-114) |
| 2 | IN408010H | IN404016H | D.2.13 (D-98) |
| 2 | IN408010H | IN408010H | D.2.18 (D-116) |
| 2 | IN408010H | IN423020H | D.2.25 (D-140) |
| 2 | IN408010I | IN406018I | D.2.16 (D-110) |
| 2 | IN408010I | IN406018K | D.2.17 (D-114) |
| 2 | IN408021H | IN404016H | D.2.13 (D-98) |
| 2 | IN408021H | IN408010H | D.2.18 (D-117) |
| 2 | IN408021H | IN423020H | D.2.25 (D-140) |
| 2 | IN408021I | IN406018I | D.2.16 (D-110) |
| 2 | IN408021I | IN406018K | D.2.17 (D-114) |
| 2 | IN409011H | IN409011H | D.2.19 (D-118) |
| 2 | IN409011I | IN409011I | D.2.20 (D-122) |
| 2 | IN409011I | IN409011K | D.2.21 (D-126) |
| 2 | IN409022H | IN409011H | D.2.19 (D-118) |
| 2 | IN409022I | IN409011I | D.2.20 (D-122) |
| 2 | IN409022I | IN409011K | D.2.21 (D-126) |
| 2 | IN410014H | IN409011H | D.2.19 (D-118) |
| 2 | IN410014I | IN409011I | D.2.20 (D-123) |
| 2 | IN410014I | IN409011K | D.2.21 (D-126) |
| 2 | IN410025H | IN409011H | D.2.19 (D-118) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 2 | IN410025I | IN409011I | D.2.20 (D-123) |
| 2 | IN410025I | IN409011K | D.2.21 (D-126) |
| 2 | IN411015H | IN409011H | D.2.19 (D-118) |
| 2 | IN411015I | IN411015I | D.2.22 (D-129) |
| 2 | IN411015I | IN411015K | D.2.23 (D-134) |
| 2 | IN411026H | IN409011H | D.2.19 (D-118) |
| 2 | IN411026I | IN411015I | D.2.22 (D-129) |
| 2 | IN411026I | IN411015K | D.2.23 (D-134) |
| 2 | IN412016H | IN404016H | D.2.13 (D-98) |
| 2 | IN412016H | IN408010H | D.2.18 (D-117) |
| 2 | IN412016H | IN423020H | D.2.25 (D-141) |
| 2 | IN412016I | IN406018I | D.2.16 (D-110) |
| 2 | IN412016I | IN406018K | D.2.17 (D-115) |
| 2 | IN412027A | IN404016H | D.2.13 (D-98) |
| 2 | IN412027A | IN408010H | D.2.18 (D-117) |
| 2 | IN412027A | IN423020H | D.2.25 (D-141) |
| 2 | IN412027B | IN406018I | D.2.16 (D-110) |
| 2 | IN412027B | IN406018K | D.2.17 (D-115) |
| 2 | IN414018H | IN401035A | D.2.9 (D-86) |
| 2 | IN414018H | IN404016H | D.2.13 (D-97) |
| 2 | IN414018H | IN415020H | D.2.24 (D-137) |
| 2 | IN414018J | IN406018I | D.2.16 (D-109) |
| 2 | IN414018J | IN406018K | D.2.17 (D-114) |
| 2 | IN414029H | IN401035A | D.2.9 (D-86) |
| 2 | IN414029H | IN404016H | D.2.13 (D-97) |
| 2 | IN414029H | IN415020H | D.2.24 (D-137) |
| 2 | IN414029I | IN406018I | D.2.16 (D-109) |
| 2 | IN414029I | IN406018K | D.2.17 (D-114) |
| 2 | IN415019H | IN401035A | D.2.9 (D-86) |
| 2 | IN415019H | IN404016H | D.2.13 (D-97) |
| 2 | IN415019H | IN415020H | D.2.24 (D-137) |
| 2 | IN415019I | IN406018I | D.2.16 (D-108) |
| 2 | IN415019I | IN406018K | D.2.17 (D-114) |
| 2 | IN415020H | IN401035A | D.2.9 (D-86) |
| 2 | IN415020H | IN404016H | D.2.13 (D-97) |
| 2 | IN415020H | IN415020H | D.2.24 (D-137) |
| 2 | IN415020I | IN406018I | D.2.16 (D-108) |
| 2 | IN415020I | IN406018K | D.2.17 (D-114) |
| 2 | IN416010H | IN409011H | D.2.19 (D-119) |
| 2 | IN416010I | IN409011I | D.2.20 (D-123) |
| 2 | IN416010I | IN409011K | D.2.21 (D-126) |
| 2 | IN417011H | IN401013H | D.2.6 (D-74) |
| 2 | IN417011I | IN401013I | D.2.7 (D-77) |
| 2 | IN417011I | IN401013K | D.2.8 (D-84) |
| 2 | IN418012H | IN401013H | D.2.6 (D-75) |
| 2 | IN418012I | IN402014I | D.2.11 (D-90) |
| 2 | IN418012I | IN402014K | D.2.12 (D-95) |
| 2 | IN419013H | IN401013H | D.2.6 (D-74) |
| 2 | IN419013I | IN401013I | D.2.7 (D-77) |
| 2 | IN419013I | IN401013K | D.2.8 (D-83) |
| 2 | IN420016H | IN402014H | D.2.10 (D-87) |
| 2 | IN420016I | IN402014I | D.2.11 (D-92) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 2 | IN420016I | IN402014K | D.2.12 (D-96) |
| 2 | IN421017H | IN409011H | D.2.19 (D-118) |
| 2 | IN421017I | IN409011I | D.2.20 (D-121) |
| 2 | IN421017I | IN409011K | D.2.21 (D-126) |
| 2 | IN422018H | IN409011H | D.2.19 (D-118) |
| 2 | IN422018I | IN409011I | D.2.20 (D-121) |
| 2 | IN422018I | IN409011K | D.2.21 (D-126) |
| 2 | IN423019H | IN404016H | D.2.13 (D-98) |
| 2 | IN423019H | IN408010H | D.2.18 (D-117) |
| 2 | IN423019H | IN423020H | D.2.25 (D-142) |
| 2 | IN423019I | IN406018I | D.2.16 (D-110) |
| 2 | IN423019I | IN406018K | D.2.17 (D-114) |
| 2 | IN423020H | IN404016H | D.2.13 (D-98) |
| 2 | IN423020H | IN408010H | D.2.18 (D-117) |
| 2 | IN423020H | IN423020H | D.2.25 (D-142) |
| 2 | IN423020I | IN406018I | D.2.16 (D-110) |
| 2 | IN423020I | IN406018K | D.2.17 (D-115) |
| 3 | IN501014D | IN501014D | D.2.26 (D-144) |
| 3 | IN501014D | IN513018D | D.2.52 (D-209) |
| 3 | IN501014E | IN402014I | D.2.11 (D-91) |
| 3 | IN501014E | IN402014K | D.2.12 (D-95) |
| 3 | IN501025D | IN501014D | D.2.26 (D-144) |
| 3 | IN501025D | IN513018D | D.2.52 (D-209) |
| 3 | IN501025E | IN402014I | D.2.11 (D-91) |
| 3 | IN501025E | IN402014K | D.2.12 (D-95) |
| 3 | IN501036D | IN501014D | D.2.26 (D-144) |
| 3 | IN501036D | IN513018D | D.2.52 (D-210) |
| 3 | IN501036E | IN402014I | D.2.11 (D-92) |
| 3 | IN501036E | IN402014K | D.2.12 (D-95) |
| 3 | IN501047D | IN501014D | D.2.26 (D-144) |
| 3 | IN501047D | IN513018D | D.2.52 (D-210) |
| 3 | IN501047E | IN402014I | D.2.11 (D-92) |
| 3 | IN501047E | IN402014K | D.2.12 (D-95) |
| 3 | IN501058D | IN501014D | D.2.26 (D-144) |
| 3 | IN501058D | IN513018D | D.2.52 (D-210) |
| 3 | IN501058E | IN402014I | D.2.11 (D-92) |
| 3 | IN501058E | IN402014K | D.2.12 (D-95) |
| 3 | IN501069D | IN501014D | D.2.26 (D-145) |
| 3 | IN501069D | IN513018D | D.2.52 (D-210) |
| 3 | IN501069E | IN402014I | D.2.11 (D-92) |
| 3 | IN501069E | IN402014K | D.2.12 (D-95) |
| 3 | IN501252A | IN501014D | D.2.26 (D-145) |
| 3 | IN501252A | IN513018D | D.2.52 (D-210) |
| 3 | IN501252B | IN402014I | D.2.11 (D-92) |
| 3 | IN501252B | IN402014K | D.2.12 (D-95) |
| 3 | IN502015C | IN502015C | D.2.27 (D-146) |
| 3 | IN502015C | IN502060C | D.2.30 (D-155) |
| 3 | IN502015D | IN502015D | D.2.28 (D-149) |
| 3 | IN502015D | IN502015K | D.2.29 (D-154) |
| 3 | IN502026C | IN502015C | D.2.27 (D-146) |
| 3 | IN502026C | IN502060C | D.2.30 (D-155) |
| 3 | IN502026D | IN502015D | D.2.28 (D-149) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN502026D | IN502015K | D.2.29 (D-154) |
| 3 | IN502037C | IN502015C | D.2.27 (D-146) |
| 3 | IN502037C | IN502060C | D.2.30 (D-155) |
| 3 | IN502037D | IN502015D | D.2.28 (D-150) |
| 3 | IN502037D | IN502015K | D.2.29 (D-154) |
| 3 | IN502048C | IN502015C | D.2.27 (D-146) |
| 3 | IN502048C | IN502060C | D.2.30 (D-155) |
| 3 | IN502048D | IN502015D | D.2.28 (D-150) |
| 3 | IN502048D | IN502015K | D.2.29 (D-154) |
| 3 | IN502059C | IN502015C | D.2.27 (D-146) |
| 3 | IN502059C | IN502060C | D.2.30 (D-155) |
| 3 | IN502059D | IN502015D | D.2.28 (D-150) |
| 3 | IN502059D | IN502015K | D.2.29 (D-154) |
| 3 | IN502060C | IN502015C | D.2.27 (D-146) |
| 3 | IN502060C | IN502060C | D.2.30 (D-155) |
| 3 | IN502060D | IN502015D | D.2.28 (D-151) |
| 3 | IN502060D | IN502015K | D.2.29 (D-154) |
| 3 | IN503016C | IN503016C | D.2.31 (D-157) |
| 3 | IN503016C | IN509034C | D.2.47 (D-198) |
| 3 | IN503016D | IN503016D | D.2.32 (D-162) |
| 3 | IN503016D | IN503016K | D.2.33 (D-165) |
| 3 | IN503027C | IN503016C | D.2.31 (D-157) |
| 3 | IN503027C | IN509034C | D.2.47 (D-198) |
| 3 | IN503027D | IN503016D | D.2.32 (D-162) |
| 3 | IN503027D | IN503016K | D.2.33 (D-165) |
| 3 | IN503038C | IN503016C | D.2.31 (D-157) |
| 3 | IN503038C | IN509034C | D.2.47 (D-198) |
| 3 | IN503038D | IN503016D | D.2.32 (D-162) |
| 3 | IN503038D | IN503016K | D.2.33 (D-165) |
| 3 | IN503050F | IN503050F | D.2.34 (D-166) |
| 3 | IN503050F | IN506053E | D.2.41 (D-187) |
| 3 | IN503050G | IN503050G | D.2.35 (D-169) |
| 3 | IN503050G | IN503050K | D.2.36 (D-172) |
| 3 | IN504017A | IN504017A | D.2.37 (D-173) |
| 3 | IN504017A | IN522075F | D.2.60 (D-232) |
| 3 | IN504017B | IN409011I | D.2.20 (D-123) |
| 3 | IN504017B | IN409011K | D.2.21 (D-126) |
| 3 | IN504028A | IN504017A | D.2.37 (D-173) |
| 3 | IN504028A | IN522075F | D.2.60 (D-232) |
| 3 | IN504028B | IN409011I | D.2.20 (D-123) |
| 3 | IN504028B | IN409011K | D.2.21 (D-126) |
| 3 | IN504039A | IN504017A | D.2.37 (D-173) |
| 3 | IN504039A | IN522075F | D.2.60 (D-232) |
| 3 | IN504039B | IN409011I | D.2.20 (D-123) |
| 3 | IN504039B | IN409011K | D.2.21 (D-126) |
| 3 | IN504040A | IN504017A | D.2.37 (D-173) |
| 3 | IN504040A | IN522075F | D.2.60 (D-232) |
| 3 | IN504040B | IN409011I | D.2.20 (D-123) |
| 3 | IN504040B | IN409011K | D.2.21 (D-126) |
| 3 | IN504051A | IN504017A | D.2.37 (D-173) |
| 3 | IN504051A | IN522075F | D.2.60 (D-232) |
| 3 | IN504051B | IN409011I | D.2.20 (D-123) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN504051B | IN409011K | D.2.21 (D-126) |
| 3 | IN504062A | IN504017A | D.2.37 (D-174) |
| 3 | IN504062A | IN522075F | D.2.60 (D-233) |
| 3 | IN504062B | IN409011I | D.2.20 (D-123) |
| 3 | IN504062B | IN409011K | D.2.21 (D-126) |
| 3 | IN505018B | IN505018B | D.2.38 (D-175) |
| 3 | IN505018B | IN508055C | D.2.44 (D-192) |
| 3 | IN505018C | IN505018C | D.2.39 (D-182) |
| 3 | IN505018C | IN505018K | D.2.40 (D-185) |
| 3 | IN505029B | IN505018B | D.2.38 (D-175) |
| 3 | IN505029B | IN508055C | D.2.44 (D-192) |
| 3 | IN505029C | IN505018C | D.2.39 (D-182) |
| 3 | IN505029C | IN505018K | D.2.40 (D-185) |
| 3 | IN505030B | IN505018B | D.2.38 (D-175) |
| 3 | IN505030B | IN508055C | D.2.44 (D-192) |
| 3 | IN505030C | IN505018C | D.2.39 (D-182) |
| 3 | IN505030C | IN505018K | D.2.40 (D-185) |
| 3 | IN505041B | IN505018B | D.2.38 (D-176) |
| 3 | IN505041B | IN508055C | D.2.44 (D-192) |
| 3 | IN505041C | IN505018C | D.2.39 (D-182) |
| 3 | IN505041C | IN505018K | D.2.40 (D-185) |
| 3 | IN505052B | IN505018B | D.2.38 (D-176) |
| 3 | IN505052B | IN508055C | D.2.44 (D-192) |
| 3 | IN505052C | IN505018C | D.2.39 (D-183) |
| 3 | IN505052C | IN505018K | D.2.40 (D-185) |
| 3 | IN505063B | IN505018B | D.2.38 (D-176) |
| 3 | IN505063B | IN508055C | D.2.44 (D-192) |
| 3 | IN505063C | IN505018C | D.2.39 (D-183) |
| 3 | IN505063C | IN505018K | D.2.40 (D-185) |
| 3 | IN506020B | IN503016C | D.2.31 (D-156) |
| 3 | IN506020B | IN509034C | D.2.47 (D-197) |
| 3 | IN506020C | IN503016D | D.2.32 (D-161) |
| 3 | IN506020C | IN503016K | D.2.33 (D-165) |
| 3 | IN506031B | IN503016C | D.2.31 (D-156) |
| 3 | IN506031B | IN509034C | D.2.47 (D-197) |
| 3 | IN506031C | IN503016D | D.2.32 (D-162) |
| 3 | IN506031C | IN503016K | D.2.33 (D-165) |
| 3 | IN506053E | IN503050F | D.2.34 (D-166) |
| 3 | IN506053E | IN506053E | D.2.41 (D-187) |
| 3 | IN506053F | IN503050G | D.2.35 (D-169) |
| 3 | IN506053F | IN503050K | D.2.36 (D-172) |
| 3 | IN507010D | IN507010D | D.2.42 (D-188) |
| 3 | IN507010D | IN522075F | D.2.60 (D-233) |
| 3 | IN507010E | IN411015I | D.2.22 (D-129) |
| 3 | IN507010E | IN411015K | D.2.23 (D-134) |
| 3 | IN507021D | IN507010D | D.2.42 (D-188) |
| 3 | IN507021D | IN522075F | D.2.60 (D-233) |
| 3 | IN507021E | IN411015I | D.2.22 (D-129) |
| 3 | IN507021E | IN411015K | D.2.23 (D-134) |
| 3 | IN507043D | IN507010D | D.2.42 (D-188) |
| 3 | IN507043D | IN522075F | D.2.60 (D-233) |
| 3 | IN507043E | IN411015I | D.2.22 (D-130) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN507043E | IN411015K | D.2.23 (D-134) |
| 3 | IN507054D | IN507010D | D.2.42 (D-188) |
| 3 | IN507054D | IN522075F | D.2.60 (D-233) |
| 3 | IN507054E | IN411015I | D.2.22 (D-130) |
| 3 | IN507054E | IN411015K | D.2.23 (D-134) |
| 3 | IN508011C | IN508011C | D.2.43 (D-190) |
| 3 | IN508011C | IN508055C | D.2.44 (D-192) |
| 3 | IN508011D | IN301012D | D.2.3 (D-60) |
| 3 | IN508011D | IN301012K | D.2.4 (D-64) |
| 3 | IN508022C | IN508011C | D.2.43 (D-190) |
| 3 | IN508022C | IN508055C | D.2.44 (D-193) |
| 3 | IN508022D | IN301012D | D.2.3 (D-60) |
| 3 | IN508022D | IN301012K | D.2.4 (D-64) |
| 3 | IN508044C | IN508011C | D.2.43 (D-190) |
| 3 | IN508044C | IN508055C | D.2.44 (D-192) |
| 3 | IN508044D | IN301012D | D.2.3 (D-60) |
| 3 | IN508044D | IN301012K | D.2.4 (D-64) |
| 3 | IN508055C | IN508011C | D.2.43 (D-190) |
| 3 | IN508055C | IN508055C | D.2.44 (D-193) |
| 3 | IN508055D | IN301012D | D.2.3 (D-60) |
| 3 | IN508055D | IN301012K | D.2.4 (D-64) |
| 3 | IN509012C | IN509012 | D.2.45 (D-195) |
| 3 | IN509012C | IN509012C | D.2.46 (D-196) |
| 3 | IN509012D | IN503016D | D.2.32 (D-162) |
| 3 | IN509012D | IN503016K | D.2.33 (D-165) |
| 3 | IN509023C | IN503016C | D.2.31 (D-156) |
| 3 | IN509023C | IN509034C | D.2.47 (D-197) |
| 3 | IN509023D | IN503016D | D.2.32 (D-162) |
| 3 | IN509023D | IN503016K | D.2.33 (D-165) |
| 3 | IN509034C | IN503016C | D.2.31 (D-157) |
| 3 | IN509034C | IN509034C | D.2.47 (D-198) |
| 3 | IN509034D | IN503016D | D.2.32 (D-162) |
| 3 | IN509034D | IN503016K | D.2.33 (D-165) |
| 3 | IN510015A | IN510015A | D.2.48 (D-199) |
| 3 | IN510015A | IN513018D | D.2.52 (D-208) |
| 3 | IN510015B | IN401013I | D.2.7 (D-78) |
| 3 | IN510015B | IN401013K | D.2.8 (D-84) |
| 3 | IN510026A | IN510015A | D.2.48 (D-199) |
| 3 | IN510026A | IN513018D | D.2.52 (D-208) |
| 3 | IN510026B | IN401013I | D.2.7 (D-78) |
| 3 | IN510026B | IN401013K | D.2.8 (D-84) |
| 3 | IN510048A | IN510015A | D.2.48 (D-199) |
| 3 | IN510048A | IN513018D | D.2.52 (D-208) |
| 3 | IN510048B | IN401013I | D.2.7 (D-79) |
| 3 | IN510048B | IN401013K | D.2.8 (D-84) |
| 3 | IN510059A | IN510015A | D.2.48 (D-199) |
| 3 | IN510059A | IN513018D | D.2.52 (D-208) |
| 3 | IN510059B | IN401013I | D.2.7 (D-79) |
| 3 | IN510059B | IN401013K | D.2.8 (D-84) |
| 3 | IN510253A | IN510015A | D.2.48 (D-199) |
| 3 | IN510253A | IN513018D | D.2.52 (D-208) |
| 3 | IN510253B | IN401013I | D.2.7 (D-79) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN510253B | IN401013K | D.2.8 (D-83) |
| 3 | IN511016B | IN511016B | D.2.49 (D-201) |
| 3 | IN511016B | IN514053C | D.2.55 (D-223) |
| 3 | IN511016C | IN301045D | D.2.5 (D-69) |
| 3 | IN511016C | IN511016K | D.2.50 (D-204) |
| 3 | IN511027B | IN511016B | D.2.49 (D-201) |
| 3 | IN511027B | IN514053C | D.2.55 (D-223) |
| 3 | IN511027C | IN301045D | D.2.5 (D-69) |
| 3 | IN511027C | IN511016K | D.2.50 (D-204) |
| 3 | IN511049B | IN511016B | D.2.49 (D-201) |
| 3 | IN511049B | IN514053C | D.2.55 (D-223) |
| 3 | IN511049C | IN301045D | D.2.5 (D-70) |
| 3 | IN511049C | IN511016K | D.2.50 (D-204) |
| 3 | IN511050B | IN511016B | D.2.49 (D-201) |
| 3 | IN511050B | IN514053C | D.2.55 (D-223) |
| 3 | IN511050C | IN301045D | D.2.5 (D-70) |
| 3 | IN511050C | IN511016K | D.2.50 (D-204) |
| 3 | IN512017B | IN512017B | D.2.51 (D-206) |
| 3 | IN512017B | IN515010C | D.2.56 (D-224) |
| 3 | IN512017C | IN503016D | D.2.32 (D-160) |
| 3 | IN512017C | IN503016K | D.2.33 (D-164) |
| 3 | IN512028B | IN512017B | D.2.51 (D-206) |
| 3 | IN512028B | IN515010C | D.2.56 (D-225) |
| 3 | IN512028C | IN503016D | D.2.32 (D-161) |
| 3 | IN512028C | IN503016K | D.2.33 (D-164) |
| 3 | IN512039B | IN503016C | D.2.31 (D-156) |
| 3 | IN512039B | IN509034C | D.2.47 (D-197) |
| 3 | IN512039C | IN503016D | D.2.32 (D-161) |
| 3 | IN512039C | IN503016K | D.2.33 (D-164) |
| 3 | IN513018D | IN510015A | D.2.48 (D-199) |
| 3 | IN513018D | IN513018D | D.2.52 (D-209) |
| 3 | IN513018E | IN401013I | D.2.7 (D-79) |
| 3 | IN513018E | IN401013K | D.2.8 (D-83) |
| 3 | IN513029D | IN510015A | D.2.48 (D-199) |
| 3 | IN513029D | IN513018D | D.2.52 (D-209) |
| 3 | IN513029E | IN401013I | D.2.7 (D-79) |
| 3 | IN513029E | IN401013K | D.2.8 (D-83) |
| 3 | IN513041D | IN510015A | D.2.48 (D-200) |
| 3 | IN513041D | IN513018D | D.2.52 (D-209) |
| 3 | IN513041E | IN401013I | D.2.7 (D-79) |
| 3 | IN513041E | IN401013K | D.2.8 (D-83) |
| 3 | IN513052D | IN510015A | D.2.48 (D-200) |
| 3 | IN513052D | IN513018D | D.2.52 (D-209) |
| 3 | IN513052E | IN401013I | D.2.7 (D-79) |
| 3 | IN513052E | IN401013K | D.2.8 (D-83) |
| 3 | IN513256A | IN510015A | D.2.48 (D-200) |
| 3 | IN513256B | IN401013I | D.2.7 (D-79) |
| 3 | IN513256B | IN401013K | D.2.8 (D-83) |
| 3 | IN513256D | IN513018D | D.2.52 (D-210) |
| 3 | IN514019C | IN511016B | D.2.49 (D-201) |
| 3 | IN514019C | IN514053C | D.2.55 (D-223) |
| 3 | IN514019D | IN514019D | D.2.53 (D-212) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN514019D | IN514019K | D.2.54 (D-219) |
| 3 | IN514020C | IN511016B | D.2.49 (D-201) |
| 3 | IN514020C | IN514053C | D.2.55 (D-222) |
| 3 | IN514020D | IN514019D | D.2.53 (D-212) |
| 3 | IN514020D | IN514019K | D.2.54 (D-219) |
| 3 | IN514042C | IN511016B | D.2.49 (D-201) |
| 3 | IN514042C | IN514053C | D.2.55 (D-223) |
| 3 | IN514042D | IN514019D | D.2.53 (D-213) |
| 3 | IN514042D | IN514019K | D.2.54 (D-219) |
| 3 | IN514053C | IN511016B | D.2.49 (D-201) |
| 3 | IN514053C | IN514053C | D.2.55 (D-223) |
| 3 | IN514053D | IN514019D | D.2.53 (D-213) |
| 3 | IN514053D | IN514019K | D.2.54 (D-219) |
| 3 | IN515010C | IN512017B | D.2.51 (D-206) |
| 3 | IN515010C | IN515010C | D.2.56 (D-224) |
| 3 | IN515010D | IN503016D | D.2.32 (D-159) |
| 3 | IN515010D | IN503016K | D.2.33 (D-164) |
| 3 | IN515021C | IN512017B | D.2.51 (D-206) |
| 3 | IN515021C | IN515010C | D.2.56 (D-224) |
| 3 | IN515021D | IN503016D | D.2.32 (D-159) |
| 3 | IN515021D | IN503016K | D.2.33 (D-164) |
| 3 | IN515032C | IN512017B | D.2.51 (D-206) |
| 3 | IN515032C | IN515010C | D.2.56 (D-224) |
| 3 | IN515032D | IN503016D | D.2.32 (D-161) |
| 3 | IN515032D | IN503016K | D.2.33 (D-164) |
| 3 | IN516011G | IN507010D | D.2.42 (D-188) |
| 3 | IN516011G | IN522075F | D.2.60 (D-233) |
| 3 | IN516011H | IN411015I | D.2.22 (D-130) |
| 3 | IN516011H | IN411015K | D.2.23 (D-134) |
| 3 | IN516022G | IN507010D | D.2.42 (D-188) |
| 3 | IN516022G | IN522075F | D.2.60 (D-233) |
| 3 | IN516022H | IN411015I | D.2.22 (D-131) |
| 3 | IN516022H | IN411015K | D.2.23 (D-134) |
| 3 | IN516044G | IN507010D | D.2.42 (D-188) |
| 3 | IN516044G | IN522075F | D.2.60 (D-233) |
| 3 | IN516044H | IN411015I | D.2.22 (D-131) |
| 3 | IN516044H | IN411015K | D.2.23 (D-134) |
| 3 | IN516055G | IN507010D | D.2.42 (D-189) |
| 3 | IN516055G | IN522075F | D.2.60 (D-233) |
| 3 | IN516055H | IN411015I | D.2.22 (D-131) |
| 3 | IN516055H | IN411015K | D.2.23 (D-134) |
| 3 | IN517012D | IN508011C | D.2.43 (D-190) |
| 3 | IN517012D | IN514053C | D.2.55 (D-222) |
| 3 | IN517012E | IN301012D | D.2.3 (D-61) |
| 3 | IN517012E | IN301012K | D.2.4 (D-65) |
| 3 | IN517023D | IN508011C | D.2.43 (D-190) |
| 3 | IN517023D | IN514053C | D.2.55 (D-222) |
| 3 | IN517023E | IN301012D | D.2.3 (D-61) |
| 3 | IN517023E | IN301012K | D.2.4 (D-65) |
| 3 | IN517045D | IN508011C | D.2.43 (D-191) |
| 3 | IN517045D | IN514053C | D.2.55 (D-222) |
| 3 | IN517045E | IN301012D | D.2.3 (D-61) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN517045E | IN301012K | D.2.4 (D-65) |
| 3 | IN517056D | IN508011C | D.2.43 (D-191) |
| 3 | IN517056D | IN514053C | D.2.55 (D-222) |
| 3 | IN517056E | IN301012D | D.2.3 (D-62) |
| 3 | IN517056E | IN301012K | D.2.4 (D-65) |
| 3 | IN518013D | IN503016C | D.2.31 (D-156) |
| 3 | IN518013D | IN509034C | D.2.47 (D-197) |
| 3 | IN518013E | IN503016D | D.2.32 (D-161) |
| 3 | IN518013E | IN503016K | D.2.33 (D-164) |
| 3 | IN518035D | IN503016C | D.2.31 (D-156) |
| 3 | IN518035D | IN509034C | D.2.47 (D-197) |
| 3 | IN518035E | IN503016D | D.2.32 (D-161) |
| 3 | IN518035E | IN503016K | D.2.33 (D-165) |
| 3 | IN519014D | IN519014D | D.2.57 (D-226) |
| 3 | IN519014E | IN404016I | D.2.14 (D-102) |
| 3 | IN519014E | IN404016K | D.2.15 (D-105) |
| 3 | IN519025D | IN519014D | D.2.57 (D-226) |
| 3 | IN519025E | IN404016I | D.2.14 (D-102) |
| 3 | IN519025E | IN404016K | D.2.15 (D-106) |
| 3 | IN519036D | IN519014D | D.2.57 (D-226) |
| 3 | IN519036E | IN404016I | D.2.14 (D-102) |
| 3 | IN519036E | IN404016K | D.2.15 (D-106) |
| 3 | IN519047D | IN519014D | D.2.57 (D-226) |
| 3 | IN519047E | IN404016I | D.2.14 (D-102) |
| 3 | IN519047E | IN404016K | D.2.15 (D-106) |
| 3 | IN519058D | IN519014D | D.2.57 (D-226) |
| 3 | IN519058E | IN404016I | D.2.14 (D-103) |
| 3 | IN519058E | IN404016K | D.2.15 (D-106) |
| 3 | IN519069D | IN519014D | D.2.57 (D-226) |
| 3 | IN519069E | IN404016I | D.2.14 (D-103) |
| 3 | IN519069E | IN404016K | D.2.15 (D-106) |
| 3 | IN520017C | IN505018B | D.2.38 (D-175) |
| 3 | IN520017D | IN505018C | D.2.39 (D-178) |
| 3 | IN520017D | IN505018K | D.2.40 (D-185) |
| 3 | IN520028C | IN505018B | D.2.38 (D-175) |
| 3 | IN520028D | IN505018C | D.2.39 (D-179) |
| 3 | IN520028D | IN505018K | D.2.40 (D-185) |
| 3 | IN520039C | IN505018B | D.2.38 (D-175) |
| 3 | IN520039D | IN505018C | D.2.39 (D-179) |
| 3 | IN520039D | IN505018K | D.2.40 (D-185) |
| 3 | IN520040C | IN505018B | D.2.38 (D-175) |
| 3 | IN520040D | IN505018C | D.2.39 (D-179) |
| 3 | IN520040D | IN505018K | D.2.40 (D-186) |
| 3 | IN520051C | IN505018B | D.2.38 (D-175) |
| 3 | IN520051D | IN505018C | D.2.39 (D-180) |
| 3 | IN520051D | IN505018K | D.2.40 (D-186) |
| 3 | IN520062C | IN505018B | D.2.38 (D-175) |
| 3 | IN520062D | IN505018C | D.2.39 (D-180) |
| 3 | IN520062D | IN505018K | D.2.40 (D-186) |
| 3 | IN522019C | IN522019C | D.2.58 (D-228) |
| 3 | IN522019C | IN522064C | D.2.59 (D-230) |
| 3 | IN522019D | IN505018C | D.2.39 (D-180) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN522019D | IN505018K | D.2.40 (D-186) |
| 3 | IN522020C | IN522019C | D.2.58 (D-228) |
| 3 | IN522020C | IN522064C | D.2.59 (D-230) |
| 3 | IN522020D | IN505018C | D.2.39 (D-180) |
| 3 | IN522020D | IN505018K | D.2.40 (D-186) |
| 3 | IN522031C | IN522019C | D.2.58 (D-228) |
| 3 | IN522031C | IN522064C | D.2.59 (D-230) |
| 3 | IN522031D | IN505018C | D.2.39 (D-180) |
| 3 | IN522031D | IN505018K | D.2.40 (D-186) |
| 3 | IN522042C | IN522019C | D.2.58 (D-228) |
| 3 | IN522042C | IN522064C | D.2.59 (D-230) |
| 3 | IN522042D | IN505018C | D.2.39 (D-180) |
| 3 | IN522042D | IN505018K | D.2.40 (D-186) |
| 3 | IN522053C | IN522019C | D.2.58 (D-229) |
| 3 | IN522053C | IN522064C | D.2.59 (D-231) |
| 3 | IN522053D | IN505018C | D.2.39 (D-181) |
| 3 | IN522053D | IN505018K | D.2.40 (D-186) |
| 3 | IN522064C | IN522019C | D.2.58 (D-229) |
| 3 | IN522064C | IN522064C | D.2.59 (D-231) |
| 3 | IN522064D | IN505018C | D.2.39 (D-181) |
| 3 | IN522064D | IN505018K | D.2.40 (D-186) |
| 3 | IN522075F | IN504017A | D.2.37 (D-173) |
| 3 | IN522075F | IN522075F | D.2.60 (D-232) |
| 3 | IN522075G | IN409011I | D.2.20 (D-122) |
| 3 | IN522075G | IN409011K | D.2.21 (D-126) |
| 4 | IN523010D | IN519014D | D.2.57 (D-227) |
| 4 | IN523010E | IN404016I | D.2.14 (D-100) |
| 4 | IN523010E | IN404016K | D.2.15 (D-105) |
| 4 | IN523021D | IN519014D | D.2.57 (D-227) |
| 4 | IN523021E | IN404016I | D.2.14 (D-100) |
| 4 | IN523021E | IN404016K | D.2.15 (D-105) |
| 4 | IN523032D | IN519014D | D.2.57 (D-227) |
| 4 | IN523032E | IN404016I | D.2.14 (D-101) |
| 4 | IN523032E | IN404016K | D.2.15 (D-105) |
| 4 | IN523134B | IN519014D | D.2.57 (D-227) |
| 4 | IN523134C | IN404016I | D.2.14 (D-101) |
| 4 | IN523134C | IN404016K | D.2.15 (D-105) |
| 4 | IN523145A | IN519014D | D.2.57 (D-227) |
| 4 | IN523145B | IN404016I | D.2.14 (D-101) |
| 4 | IN523145B | IN404016K | D.2.15 (D-105) |
| 5 | IN801017C | IN801017C | D.2.61 (D-235) |
| 5 | IN801017D | IN801017D | D.2.62 (D-240) |
| 5 | IN801017D | IN801017K | D.2.63 (D-245) |
| 5 | IN801028C | IN801017C | D.2.61 (D-235) |
| 5 | IN801028D | IN801017D | D.2.62 (D-240) |
| 5 | IN801028D | IN801017K | D.2.63 (D-245) |
| 5 | IN801039C | IN801017C | D.2.61 (D-235) |
| 5 | IN801039D | IN801017D | D.2.62 (D-240) |
| 5 | IN801039D | IN801017K | D.2.63 (D-245) |
| 5 | IN803019A | IN301012C | D.2.2 (D-55) |
| 5 | IN803019A | IN803053A | D.2.64 (D-247) |
| 5 | IN803019A | IN811020A | D.2.69 (D-265) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 5 | IN803019B | IN301045D | D.2.5 (D-68) |
| 5 | IN803019B | IN511016K | D.2.50 (D-203) |
| 5 | IN803020A | IN301012C | D.2.2 (D-55) |
| 5 | IN803020A | IN803053A | D.2.64 (D-247) |
| 5 | IN803020A | IN811020A | D.2.69 (D-265) |
| 5 | IN803020B | IN301045D | D.2.5 (D-68) |
| 5 | IN803020B | IN511016K | D.2.50 (D-203) |
| 5 | IN803031A | IN301012C | D.2.2 (D-56) |
| 5 | IN803031A | IN803053A | D.2.64 (D-247) |
| 5 | IN803031A | IN811020A | D.2.69 (D-267) |
| 5 | IN803031B | IN301045D | D.2.5 (D-68) |
| 5 | IN803031B | IN511016K | D.2.50 (D-203) |
| 5 | IN803042A | IN301012C | D.2.2 (D-56) |
| 5 | IN803042A | IN803053A | D.2.64 (D-247) |
| 5 | IN803042A | IN811020A | D.2.69 (D-265) |
| 5 | IN803042B | IN301045D | D.2.5 (D-69) |
| 5 | IN803042B | IN511016K | D.2.50 (D-203) |
| 5 | IN803053A | IN301012C | D.2.2 (D-56) |
| 5 | IN803053A | IN803053A | D.2.64 (D-247) |
| 5 | IN803053A | IN811020A | D.2.69 (D-265) |
| 5 | IN803053B | IN301045D | D.2.5 (D-69) |
| 5 | IN803053B | IN511016K | D.2.50 (D-203) |
| 5 | IN804010B | IN804010B | D.2.65 (D-250) |
| 5 | IN804010C | IN301045D | D.2.5 (D-70) |
| 5 | IN804010C | IN511016K | D.2.50 (D-204) |
| 5 | IN804021B | IN804010B | D.2.65 (D-250) |
| 5 | IN804021C | IN301045D | D.2.5 (D-70) |
| 5 | IN804021C | IN511016K | D.2.50 (D-204) |
| 5 | IN804032B | IN804010B | D.2.65 (D-251) |
| 5 | IN804032C | IN301045D | D.2.5 (D-70) |
| 5 | IN804032C | IN511016K | D.2.50 (D-204) |
| 5 | IN804043B | IN804010B | D.2.65 (D-251) |
| 5 | IN804043C | IN301045D | D.2.5 (D-72) |
| 5 | IN804043C | IN511016K | D.2.50 (D-205) |
| 5 | IN804054B | IN804010B | D.2.65 (D-251) |
| 5 | IN804054C | IN301045D | D.2.5 (D-72) |
| 5 | IN804054C | IN511016K | D.2.50 (D-204) |
| 5 | IN804065B | IN804010B | D.2.65 (D-251) |
| 5 | IN804065C | IN301045D | D.2.5 (D-72) |
| 5 | IN804065C | IN511016K | D.2.50 (D-204) |
| 5 | IN805011B | IN522019C | D.2.58 (D-229) |
| 5 | IN805011C | IN301012D | D.2.3 (D-59) |
| 5 | IN805011C | IN301012K | D.2.4 (D-64) |
| 5 | IN805022B | IN522019C | D.2.58 (D-229) |
| 5 | IN805022C | IN301012D | D.2.3 (D-59) |
| 5 | IN805022C | IN301012K | D.2.4 (D-64) |
| 5 | IN805033B | IN522019C | D.2.58 (D-229) |
| 5 | IN805033C | IN301012D | D.2.3 (D-59) |
| 5 | IN805033C | IN301012K | D.2.4 (D-65) |
| 5 | IN805044B | IN522019C | D.2.58 (D-229) |
| 5 | IN805044C | IN301012D | D.2.3 (D-60) |
| 5 | IN805044C | IN301012K | D.2.4 (D-65) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 5 | IN805055B | IN522019C | D.2.58 (D-229) |
| 5 | IN805055C | IN301012D | D.2.3 (D-60) |
| 5 | IN805055C | IN301012K | D.2.4 (D-65) |
| 5 | IN805066B | IN522019C | D.2.58 (D-229) |
| 5 | IN805066C | IN301012D | D.2.3 (D-60) |
| 5 | IN805066C | IN301012K | D.2.4 (D-65) |
| 5 | IN806012B | IN806012B | D.2.66 (D-252) |
| 5 | IN806012C | IN806012C | D.2.67 (D-258) |
| 5 | IN806012C | IN806012K | D.2.68 (D-263) |
| 5 | IN806023B | IN806012B | D.2.66 (D-252) |
| 5 | IN806023C | IN806012C | D.2.67 (D-259) |
| 5 | IN806023C | IN806012K | D.2.68 (D-263) |
| 5 | IN806034B | IN806012B | D.2.66 (D-252) |
| 5 | IN806034C | IN806012C | D.2.67 (D-259) |
| 5 | IN806034C | IN806012K | D.2.68 (D-263) |
| 5 | IN806056B | IN806012B | D.2.66 (D-253) |
| 5 | IN806056C | IN806012C | D.2.67 (D-259) |
| 5 | IN806056C | IN806012K | D.2.68 (D-263) |
| 5 | IN806067B | IN806012B | D.2.66 (D-253) |
| 5 | IN806067C | IN806012C | D.2.67 (D-260) |
| 5 | IN806067C | IN806012K | D.2.68 (D-263) |
| 5 | IN806078B | IN806012B | D.2.66 (D-253) |
| 5 | IN806078C | IN806012C | D.2.67 (D-260) |
| 5 | IN806078C | IN806012K | D.2.68 (D-263) |
| 5 | IN806090B | IN806012B | D.2.66 (D-253) |
| 5 | IN806090C | IN806012C | D.2.67 (D-260) |
| 5 | IN806090C | IN806012K | D.2.68 (D-263) |
| 5 | IN806103B | IN806012B | D.2.66 (D-253) |
| 5 | IN806103C | IN806012C | D.2.67 (D-258) |
| 5 | IN806103C | IN806012K | D.2.68 (D-263) |
| 5 | IN806114B | IN806012B | D.2.66 (D-253) |
| 5 | IN806114C | IN806012C | D.2.67 (D-258) |
| 5 | IN806114C | IN806012K | D.2.68 (D-263) |
| 5 | IN806136B | IN806012B | D.2.66 (D-253) |
| 5 | IN806136C | IN806012C | D.2.67 (D-258) |
| 5 | IN806136C | IN806012K | D.2.68 (D-263) |
| 5 | IN806147B | IN806012B | D.2.66 (D-253) |
| 5 | IN806147C | IN806012C | D.2.67 (D-258) |
| 5 | IN806147C | IN806012K | D.2.68 (D-263) |
| 5 | IN806158B | IN806012B | D.2.66 (D-253) |
| 5 | IN806158C | IN806012C | D.2.67 (D-258) |
| 5 | IN806158C | IN806012K | D.2.68 (D-263) |
| 5 | IN806216E | IN501014D | D.2.26 (D-145) |
| 5 | IN806216F | IN401013I | D.2.7 (D-80) |
| 5 | IN806216F | IN401013K | D.2.8 (D-84) |
| 5 | IN807013C | IN806012C | D.2.67 (D-257) |
| 5 | IN807013C | IN806012K | D.2.68 (D-263) |
| 5 | IN807046B | IN806012B | D.2.66 (D-252) |
| 5 | IN807046C | IN806012C | D.2.67 (D-257) |
| 5 | IN807046C | IN806012K | D.2.68 (D-263) |
| 5 | IN807057C | IN806012C | D.2.67 (D-257) |
| 5 | IN807057C | IN806012K | D.2.68 (D-263) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 5 | IN807080B | IN806012B | D.2.66 (D-252) |
| 5 | IN807080C | IN806012C | D.2.67 (D-258) |
| 5 | IN807080C | IN806012K | D.2.68 (D-263) |
| 5 | IN807104E | IN501014D | D.2.26 (D-145) |
| 5 | IN807104F | IN401013I | D.2.7 (D-81) |
| 5 | IN807104F | IN401013K | D.2.8 (D-84) |
| 5 | IN808014A | IN804010B | D.2.65 (D-251) |
| 5 | IN808014B | IN514019D | D.2.53 (D-214) |
| 5 | IN808014B | IN514019K | D.2.54 (D-220) |
| 5 | IN808025A | IN804010B | D.2.65 (D-251) |
| 5 | IN808025B | IN514019D | D.2.53 (D-214) |
| 5 | IN808025B | IN514019K | D.2.54 (D-220) |
| 5 | IN808036A | IN804010B | D.2.65 (D-251) |
| 5 | IN808036B | IN514019D | D.2.53 (D-214) |
| 5 | IN808036B | IN514019K | D.2.54 (D-220) |
| 5 | IN808047A | IN804010B | D.2.65 (D-251) |
| 5 | IN808047B | IN514019D | D.2.53 (D-214) |
| 5 | IN808047B | IN514019K | D.2.54 (D-220) |
| 5 | IN808058A | IN804010B | D.2.65 (D-251) |
| 5 | IN808058B | IN514019D | D.2.53 (D-214) |
| 5 | IN808058B | IN514019K | D.2.54 (D-220) |
| 5 | IN810018A | IN301012C | D.2.2 (D-56) |
| 5 | IN810018A | IN803053A | D.2.64 (D-247) |
| 5 | IN810018A | IN811020A | D.2.69 (D-265) |
| 5 | IN810018B | IN301045D | D.2.5 (D-69) |
| 5 | IN810018B | IN511016K | D.2.50 (D-204) |
| 5 | IN810029A | IN301012C | D.2.2 (D-56) |
| 5 | IN810029A | IN803053A | D.2.64 (D-247) |
| 5 | IN810029A | IN811020A | D.2.69 (D-265) |
| 5 | IN810029B | IN301045D | D.2.5 (D-69) |
| 5 | IN810029B | IN511016K | D.2.50 (D-204) |
| 5 | IN811019A | IN301012C | D.2.2 (D-56) |
| 5 | IN811019A | IN803053A | D.2.64 (D-247) |
| 5 | IN811019A | IN811020A | D.2.69 (D-266) |
| 5 | IN811019B | IN301045D | D.2.5 (D-67) |
| 5 | IN811019B | IN511016K | D.2.50 (D-203) |
| 5 | IN811020A | IN301012C | D.2.2 (D-56) |
| 5 | IN811020A | IN803053A | D.2.64 (D-248) |
| 5 | IN811020A | IN811020A | D.2.69 (D-266) |
| 5 | IN811020B | IN301045D | D.2.5 (D-67) |
| 5 | IN811020B | IN511016K | D.2.50 (D-203) |
| 7 | IN814012D | IN814012D | D.2.70 (D-268) |
| 7 | IN814012E | IN801017D | D.2.62 (D-237) |
| 7 | IN814012E | IN801017K | D.2.63 (D-244) |
| 7 | IN814023D | IN814012D | D.2.70 (D-268) |
| 7 | IN814023E | IN801017D | D.2.62 (D-237) |
| 7 | IN814023E | IN801017K | D.2.63 (D-244) |
| 7 | IN814034D | IN814012D | D.2.70 (D-268) |
| 7 | IN814034E | IN801017D | D.2.62 (D-238) |
| 7 | IN814034E | IN801017K | D.2.63 (D-244) |
| 7 | IN814045D | IN814012D | D.2.70 (D-268) |
| 7 | IN814045E | IN801017D | D.2.62 (D-238) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 7 | IN814045E | IN801017K | D.2.63 (D-244) |
| 7 | IN814056D | IN814012D | D.2.70 (D-268) |
| 7 | IN814056E | IN801017D | D.2.62 (D-238) |
| 7 | IN814056E | IN801017K | D.2.63 (D-244) |
| 7 | IN814067D | IN814012D | D.2.70 (D-269) |
| 7 | IN814067E | IN801017D | D.2.62 (D-239) |
| 7 | IN814067E | IN801017K | D.2.63 (D-244) |
| 7 | IN814078D | IN814012D | D.2.70 (D-269) |
| 7 | IN814078E | IN801017D | D.2.62 (D-239) |
| 7 | IN814078E | IN801017K | D.2.63 (D-244) |
| 7 | IN814089D | IN814012D | D.2.70 (D-269) |
| 7 | IN814089E | IN801017D | D.2.62 (D-239) |
| 7 | IN814089E | IN801017K | D.2.63 (D-245) |
| 7 | IN814103D | IN814012D | D.2.70 (D-269) |
| 7 | IN814103E | IN801017D | D.2.62 (D-239) |
| 7 | IN814103E | IN801017K | D.2.63 (D-245) |
| 7 | IN814114D | IN814012D | D.2.70 (D-269) |
| 7 | IN814114E | IN801017D | D.2.62 (D-239) |
| 7 | IN814114E | IN801017K | D.2.63 (D-245) |
| 7 | IN814125D | IN814012D | D.2.70 (D-269) |
| 7 | IN814125E | IN801017D | D.2.62 (D-240) |
| 7 | IN814125E | IN801017K | D.2.63 (D-245) |
| 7 | IN814136G | IN501014D | D.2.26 (D-144) |
| 7 | IN814136H | IN401013I | D.2.7 (D-80) |
| 7 | IN814136H | IN401013K | D.2.8 (D-84) |
| 7 | IN815013G | IN815013G | D.2.71 (D-270) |
| 7 | IN815013H | IN815013H | D.2.72 (D-273) |
| 7 | IN815013H | IN815013K | D.2.73 (D-280) |
| 7 | IN815024G | IN815013G | D.2.71 (D-270) |
| 7 | IN815024H | IN815013H | D.2.72 (D-273) |
| 7 | IN815024H | IN815013K | D.2.73 (D-280) |
| 7 | IN815035G | IN815013G | D.2.71 (D-270) |
| 7 | IN815035H | IN815013H | D.2.72 (D-274) |
| 7 | IN815035H | IN815013K | D.2.73 (D-280) |
| 7 | IN815046G | IN815013G | D.2.71 (D-270) |
| 7 | IN815046H | IN815013H | D.2.72 (D-275) |
| 7 | IN815046H | IN815013K | D.2.73 (D-280) |
| 7 | IN815057G | IN815013G | D.2.71 (D-270) |
| 7 | IN815057H | IN815013H | D.2.72 (D-275) |
| 7 | IN815057H | IN815013K | D.2.73 (D-280) |
| 7 | IN815068G | IN815013G | D.2.71 (D-270) |
| 7 | IN815068H | IN815013H | D.2.72 (D-275) |
| 7 | IN815068H | IN815013K | D.2.73 (D-281) |
| 7 | IN815079G | IN815013G | D.2.71 (D-271) |
| 7 | IN815079H | IN815013H | D.2.72 (D-275) |
| 7 | IN815079H | IN815013K | D.2.73 (D-281) |
| 7 | IN815080G | IN815013G | D.2.71 (D-271) |
| 7 | IN815080H | IN815013H | D.2.72 (D-275) |
| 7 | IN815080H | IN815013K | D.2.73 (D-281) |
| 7 | IN815091G | IN815013G | D.2.71 (D-271) |
| 7 | IN815091H | IN815013H | D.2.72 (D-275) |
| 7 | IN815091H | IN815013K | D.2.73 (D-281) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 7 | IN815104G | IN815013G | D.2.71 (D-271) |
| 7 | IN815104H | IN815013H | D.2.72 (D-275) |
| 7 | IN815104H | IN815013K | D.2.73 (D-281) |
| 7 | IN815115G | IN815013G | D.2.71 (D-271) |
| 7 | IN815115H | IN815013H | D.2.72 (D-276) |
| 7 | IN815115H | IN815013K | D.2.73 (D-281) |
| 7 | IN815126G | IN815013G | D.2.71 (D-271) |
| 7 | IN815126H | IN815013H | D.2.72 (D-276) |
| 7 | IN815126H | IN815013K | D.2.73 (D-281) |
| 7 | IN815171G | IN815013G | D.2.71 (D-271) |
| 7 | IN815171H | IN815013H | D.2.72 (D-276) |
| 7 | IN815171H | IN815013K | D.2.73 (D-281) |
| 7 | IN815217F | IN501014D | D.2.26 (D-145) |
| 7 | IN815217G | IN402014I | D.2.11 (D-92) |
| 7 | IN815217G | IN402014K | D.2.12 (D-95) |
| 7 | IN816014G | IN816014G | D.2.74 (D-284) |
| 7 | IN816014H | IN815013H | D.2.72 (D-276) |
| 7 | IN816014H | IN815013K | D.2.73 (D-281) |
| 7 | IN816025G | IN816014G | D.2.74 (D-284) |
| 7 | IN816025H | IN815013H | D.2.72 (D-276) |
| 7 | IN816025H | IN815013K | D.2.73 (D-281) |
| 7 | IN816036G | IN816014G | D.2.74 (D-284) |
| 7 | IN816036H | IN815013H | D.2.72 (D-276) |
| 7 | IN816036H | IN815013K | D.2.73 (D-281) |
| 7 | IN816047G | IN816014G | D.2.74 (D-284) |
| 7 | IN816047H | IN815013H | D.2.72 (D-277) |
| 7 | IN816047H | IN815013K | D.2.73 (D-281) |
| 7 | IN816058G | IN816014G | D.2.74 (D-284) |
| 7 | IN816058H | IN815013H | D.2.72 (D-277) |
| 7 | IN816058H | IN815013K | D.2.73 (D-281) |
| 7 | IN816069G | IN816014G | D.2.74 (D-284) |
| 7 | IN816069H | IN815013H | D.2.72 (D-277) |
| 7 | IN816069H | IN815013K | D.2.73 (D-281) |
| 7 | IN816070G | IN816014G | D.2.74 (D-284) |
| 7 | IN816070H | IN815013H | D.2.72 (D-277) |
| 7 | IN816070H | IN815013K | D.2.73 (D-281) |
| 7 | IN816081G | IN816014G | D.2.74 (D-284) |
| 7 | IN816081H | IN815013H | D.2.72 (D-278) |
| 7 | IN816081H | IN815013K | D.2.73 (D-281) |
| 7 | IN816092G | IN801017C | D.2.61 (D-234) |
| 7 | IN816092H | IN815013H | D.2.72 (D-278) |
| 7 | IN816092H | IN815013K | D.2.73 (D-281) |
| 7 | IN816105G | IN801017C | D.2.61 (D-234) |
| 7 | IN816105H | IN815013H | D.2.72 (D-278) |
| 7 | IN816105H | IN815013K | D.2.73 (D-282) |
| 7 | IN816116G | IN801017C | D.2.61 (D-234) |
| 7 | IN816116H | IN816116H | D.2.75 (D-286) |
| 7 | IN816116H | IN816116K | D.2.76 (D-293) |
| 7 | IN816127G | IN801017C | D.2.61 (D-234) |
| 7 | IN816127H | IN816116H | D.2.75 (D-288) |
| 7 | IN816127H | IN816116K | D.2.76 (D-293) |
| 7 | IN816138G | IN801017C | D.2.61 (D-234) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 7 | IN816138H | IN816116H | D.2.75 (D-288) |
| 7 | IN816138H | IN816116K | D.2.76 (D-293) |
| 7 | IN816150G | IN801017C | D.2.61 (D-234) |
| 7 | IN816150H | IN816116H | D.2.75 (D-288) |
| 7 | IN816150H | IN816116K | D.2.76 (D-293) |
| 7 | IN816161G | IN801017C | D.2.61 (D-234) |
| 7 | IN816161H | IN816116H | D.2.75 (D-288) |
| 7 | IN816161H | IN816116K | D.2.76 (D-293) |
| 7 | IN816183G | IN801017C | D.2.61 (D-234) |
| 7 | IN816183H | IN816116H | D.2.75 (D-288) |
| 7 | IN816183H | IN816116K | D.2.76 (D-294) |
| 7 | IN816207G | IN801017C | D.2.61 (D-234) |
| 7 | IN816207H | IN816116H | D.2.75 (D-288) |
| 7 | IN816207H | IN816116K | D.2.76 (D-294) |
| 7 | IN816218F | IN501014D | D.2.26 (D-145) |
| 7 | IN816218G | IN402014I | D.2.11 (D-93) |
| 7 | IN816218G | IN402014K | D.2.12 (D-96) |
| 7 | IN817059C | IN816014G | D.2.74 (D-283) |
| 7 | IN817059D | IN816116H | D.2.75 (D-288) |
| 7 | IN817059D | IN816116K | D.2.76 (D-294) |
| 7 | IN817060C | IN816014G | D.2.74 (D-283) |
| 7 | IN817060D | IN816116H | D.2.75 (D-288) |
| 7 | IN817060D | IN816116K | D.2.76 (D-294) |
| 7 | IN817071C | IN816014G | D.2.74 (D-283) |
| 7 | IN817071D | IN816116H | D.2.75 (D-288) |
| 7 | IN817071D | IN816116K | D.2.76 (D-294) |
| 7 | IN817117C | IN816014G | D.2.74 (D-283) |
| 7 | IN817117D | IN816116H | D.2.75 (D-289) |
| 7 | IN817117D | IN816116K | D.2.76 (D-294) |
| 7 | IN817151C | IN816014G | D.2.74 (D-283) |
| 7 | IN817151D | IN816116H | D.2.75 (D-289) |
| 7 | IN817151D | IN816116K | D.2.76 (D-294) |
| 7 | IN817173F | IN501014D | D.2.26 (D-145) |
| 7 | IN817173G | IN402014I | D.2.11 (D-92) |
| 7 | IN817173G | IN402014K | D.2.12 (D-96) |
| 7 | IN818016D | IN522019C | D.2.58 (D-228) |
| 7 | IN818016E | IN505018C | D.2.39 (D-180) |
| 7 | IN818016E | IN505018K | D.2.40 (D-186) |
| 7 | IN818027D | IN522019C | D.2.58 (D-228) |
| 7 | IN818027E | IN505018C | D.2.39 (D-180) |
| 7 | IN818027E | IN505018K | D.2.40 (D-186) |
| 7 | IN818038D | IN522019C | D.2.58 (D-228) |
| 7 | IN818038E | IN505018C | D.2.39 (D-180) |
| 7 | IN818038E | IN505018K | D.2.40 (D-186) |
| 7 | IN818049D | IN522019C | D.2.58 (D-228) |
| 7 | IN818049E | IN505018C | D.2.39 (D-180) |
| 7 | IN818049E | IN505018K | D.2.40 (D-186) |
| 7 | IN819051A | IN804010B | D.2.65 (D-250) |
| 7 | IN819051B | IN301045D | D.2.5 (D-69) |
| 7 | IN819051B | IN511016K | D.2.50 (D-204) |
| 7 | IN819062A | IN804010B | D.2.65 (D-250) |
| 7 | IN819062B | IN301045D | D.2.5 (D-69) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 7 | IN819062B | IN511016K | D.2.50 (D-204) |
| 7 | IN819073A | IN804010B | D.2.65 (D-250) |
| 7 | IN819073B | IN301045D | D.2.5 (D-69) |
| 7 | IN819073B | IN511016K | D.2.50 (D-204) |
| 7 | IN819084A | IN804010B | D.2.65 (D-250) |
| 7 | IN819084B | IN301045D | D.2.5 (D-69) |
| 7 | IN819084B | IN511016K | D.2.50 (D-204) |
| 8 | IN820010B | IN820010B | D.2.77 (D-295) |
| 8 | IN820010C | IN514019D | D.2.53 (D-213) |
| 8 | IN820010C | IN514019K | D.2.54 (D-219) |
| 8 | IN820021B | IN820010B | D.2.77 (D-295) |
| 8 | IN820021C | IN514019D | D.2.53 (D-214) |
| 8 | IN820021C | IN514019K | D.2.54 (D-219) |
| 8 | IN820032B | IN820010B | D.2.77 (D-295) |
| 8 | IN820032C | IN514019D | D.2.53 (D-214) |
| 8 | IN820032C | IN514019K | D.2.54 (D-219) |
| 8 | IN820043B | IN820010B | D.2.77 (D-295) |
| 8 | IN820043C | IN514019D | D.2.53 (D-214) |
| 8 | IN820043C | IN514019K | D.2.54 (D-220) |
| 8 | IN820054B | IN820010B | D.2.77 (D-295) |
| 8 | IN820054C | IN514019D | D.2.53 (D-214) |
| 8 | IN820054C | IN514019K | D.2.54 (D-220) |
| 8 | IN820065B | IN820010B | D.2.77 (D-295) |
| 8 | IN820065C | IN514019D | D.2.53 (D-214) |
| 8 | IN820065C | IN514019K | D.2.54 (D-220) |
| 8 | IN822012B | IN820010B | D.2.77 (D-295) |
| 8 | IN822012C | IN514019D | D.2.53 (D-215) |
| 8 | IN822012C | IN514019K | D.2.54 (D-220) |
| 8 | IN822023B | IN820010B | D.2.77 (D-296) |
| 8 | IN822023C | IN514019D | D.2.53 (D-215) |
| 8 | IN822023C | IN514019K | D.2.54 (D-220) |
| 8 | IN822034B | IN820010B | D.2.77 (D-296) |
| 8 | IN822034C | IN514019D | D.2.53 (D-215) |
| 8 | IN822034C | IN514019K | D.2.54 (D-220) |
| 8 | IN822045B | IN820010B | D.2.77 (D-296) |
| 8 | IN822045C | IN514019D | D.2.53 (D-215) |
| 8 | IN822045C | IN514019K | D.2.54 (D-220) |
| 8 | IN822056B | IN820010B | D.2.77 (D-296) |
| 8 | IN822056C | IN514019D | D.2.53 (D-215) |
| 8 | IN822056C | IN514019K | D.2.54 (D-220) |
| 8 | IN822067B | IN820010B | D.2.77 (D-296) |
| 8 | IN822067C | IN514019D | D.2.53 (D-217) |
| 8 | IN822067C | IN514019K | D.2.54 (D-220) |
| 8 | IN822078B | IN820010B | D.2.77 (D-296) |
| 8 | IN822078C | IN514019D | D.2.53 (D-217) |
| 8 | IN822078C | IN514019K | D.2.54 (D-220) |
| 8 | IN822089B | IN820010B | D.2.77 (D-296) |
| 8 | IN822089C | IN514019D | D.2.53 (D-217) |
| 8 | IN822089C | IN514019K | D.2.54 (D-221) |
| 8 | IN822090B | IN820010B | D.2.77 (D-296) |
| 8 | IN822090C | IN514019D | D.2.53 (D-217) |
| 8 | IN822090C | IN514019K | D.2.54 (D-221) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 9 | IN823013A | IN823013A | D.2.78 (D-297) |
| 9 | IN823013B | IN816116H | D.2.75 (D-289) |
| 9 | IN823013B | IN816116K | D.2.76 (D-294) |
| 9 | IN823024A | IN823013A | D.2.78 (D-297) |
| 9 | IN823024B | IN816116H | D.2.75 (D-289) |
| 9 | IN823024B | IN816116K | D.2.76 (D-294) |
| 9 | IN823035A | IN823013A | D.2.78 (D-297) |
| 9 | IN823035B | IN816116H | D.2.75 (D-289) |
| 9 | IN823035B | IN816116K | D.2.76 (D-294) |
| 9 | IN823057A | IN823013A | D.2.78 (D-297) |
| 9 | IN823057B | IN816116H | D.2.75 (D-289) |
| 9 | IN823057B | IN816116K | D.2.76 (D-294) |
| 9 | IN823068A | IN823013A | D.2.78 (D-297) |
| 9 | IN823068B | IN816116H | D.2.75 (D-290) |
| 9 | IN823068B | IN816116K | D.2.76 (D-294) |
| 9 | IN823079A | IN823013A | D.2.78 (D-297) |
| 9 | IN823079B | IN816116H | D.2.75 (D-290) |
| 9 | IN823079B | IN816116K | D.2.76 (D-294) |
| 9 | IN823080A | IN823013A | D.2.78 (D-297) |
| 9 | IN823080B | IN816116H | D.2.75 (D-290) |
| 9 | IN823080B | IN816116K | D.2.76 (D-294) |
| 9 | IN823104A | IN823013A | D.2.78 (D-297) |
| 9 | IN823104B | IN816116H | D.2.75 (D-290) |
| 9 | IN823104B | IN816116K | D.2.76 (D-294) |
| 9 | IN823126A | IN823013A | D.2.78 (D-297) |
| 9 | IN823126B | IN806012C | D.2.67 (D-255) |
| 9 | IN823126B | IN806012K | D.2.68 (D-262) |
| 9 | IN823137A | IN823013A | D.2.78 (D-298) |
| 9 | IN823137B | IN806012C | D.2.67 (D-255) |
| 9 | IN823137B | IN806012K | D.2.68 (D-262) |
| 9 | IN823159A | IN823013A | D.2.78 (D-298) |
| 9 | IN823159B | IN806012C | D.2.67 (D-256) |
| 9 | IN823159B | IN806012K | D.2.68 (D-262) |
| 9 | IN823171A | IN823013A | D.2.78 (D-298) |
| 9 | IN823171B | IN806012C | D.2.67 (D-256) |
| 9 | IN823171B | IN806012K | D.2.68 (D-262) |
| 9 | IN823182A | IN823013A | D.2.78 (D-298) |
| 9 | IN823182B | IN806012C | D.2.67 (D-256) |
| 9 | IN823182B | IN806012K | D.2.68 (D-262) |
| 9 | IN823206A | IN823013A | D.2.78 (D-298) |
| 9 | IN823206B | IN806012C | D.2.67 (D-257) |
| 9 | IN823206B | IN806012K | D.2.68 (D-262) |
| 9 | IN824014A | IN301012C | D.2.2 (D-56) |
| 9 | IN824014B | IN301012D | D.2.3 (D-60) |
| 9 | IN824014B | IN301012K | D.2.4 (D-65) |
| 9 | IN824025A | IN301012C | D.2.2 (D-56) |
| 9 | IN824025B | IN301012D | D.2.3 (D-60) |
| 9 | IN824025B | IN301012K | D.2.4 (D-65) |
| 9 | IN824036A | IN301012C | D.2.2 (D-56) |
| 9 | IN824036B | IN301012D | D.2.3 (D-60) |
| 9 | IN824036B | IN301012K | D.2.4 (D-65) |
| 9 | IN827017A | IN801017D | D.2.62 (D-240) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 9 | IN827017A | IN801017K | D.2.63 (D-245) |
| 9 | IN827017B | IN827017B | D.2.79 (D-299) |
| 9 | IN827039A | IN801017D | D.2.62 (D-240) |
| 9 | IN827039A | IN801017K | D.2.63 (D-245) |
| 9 | IN827039B | IN827039B | D.2.80 (D-300) |
| 9 | IN827051A | IN801017D | D.2.62 (D-241) |
| 9 | IN827051A | IN801017K | D.2.63 (D-245) |
| 9 | IN827051B | IN827039B | D.2.80 (D-300) |
| 9 | IN827119A | IN801017D | D.2.62 (D-241) |
| 9 | IN827119A | IN801017K | D.2.63 (D-245) |
| 9 | IN827119B | IN827017B | D.2.79 (D-299) |
| 9 | IN827131A | IN801017D | D.2.62 (D-241) |
| 9 | IN827131A | IN801017K | D.2.63 (D-245) |
| 9 | IN827131B | IN827039B | D.2.80 (D-300) |
| 9 | IN827153A | IN801017D | D.2.62 (D-241) |
| 9 | IN827153A | IN801017K | D.2.63 (D-245) |
| 9 | IN827153B | IN827039B | D.2.80 (D-300) |
| 9 | IN827211A | IN801017D | D.2.62 (D-242) |
| 9 | IN827211A | IN801017K | D.2.63 (D-245) |
| 9 | IN827211B | IN827017B | D.2.79 (D-299) |
| 9 | IN827233A | IN801017D | D.2.62 (D-242) |
| 9 | IN827233A | IN801017K | D.2.63 (D-245) |
| 9 | IN827233B | IN827039B | D.2.80 (D-300) |
| 9 | IN827255A | IN801017D | D.2.62 (D-242) |
| 9 | IN827255A | IN801017K | D.2.63 (D-246) |
| 9 | IN827255B | IN827039B | D.2.80 (D-300) |
| 9 | IN827313A | IN827313A | D.2.81 (D-303) |
| 9 | IN827313A | IN827313K | D.2.82 (D-310) |
| 9 | IN827313B | IN827017B | D.2.79 (D-299) |
| 9 | IN827335A | IN827313A | D.2.81 (D-303) |
| 9 | IN827335A | IN827313K | D.2.82 (D-310) |
| 9 | IN827335B | IN827039B | D.2.80 (D-300) |
| 9 | IN827357A | IN827313A | D.2.81 (D-304) |
| 9 | IN827357A | IN827313K | D.2.82 (D-310) |
| 9 | IN827357B | IN827039B | D.2.80 (D-301) |
| 9 | IN827415A | IN827313A | D.2.81 (D-304) |
| 9 | IN827415A | IN827313K | D.2.82 (D-310) |
| 9 | IN827415B | IN827415B | D.2.83 (D-313) |
| 9 | IN827426A | IN827313A | D.2.81 (D-304) |
| 9 | IN827426A | IN827313K | D.2.82 (D-310) |
| 9 | IN827426B | IN827415B | D.2.83 (D-313) |
| 9 | IN827437A | IN827313A | D.2.81 (D-305) |
| 9 | IN827437A | IN827313K | D.2.82 (D-310) |
| 9 | IN827437B | IN827437B | D.2.84 (D-315) |
| 9 | IN827448A | IN827313A | D.2.81 (D-305) |
| 9 | IN827448A | IN827313K | D.2.82 (D-311) |
| 9 | IN827448B | IN827437B | D.2.84 (D-315) |
| 9 | IN827459A | IN827313A | D.2.81 (D-305) |
| 9 | IN827459A | IN827313K | D.2.82 (D-311) |
| 9 | IN827459B | IN827415B | D.2.83 (D-313) |
| 9 | IN827460A | IN827313A | D.2.81 (D-305) |
| 9 | IN827460A | IN827313K | D.2.82 (D-311) |

TABLE D.2.1 DIRECTORY FOR METALS, INCLUDING CR+6 QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 9 | IN827460B | IN827415B | D.2.83 (D-313) |
| 9 | IN827471A | IN827313A | D.2.81 (D-305) |
| 9 | IN827471A | IN827313K | D.2.82 (D-311) |
| 9 | IN827471B | IN827437B | D.2.84 (D-315) |
| 9 | IN827482A | IN827313A | D.2.81 (D-306) |
| 9 | IN827482A | IN827313K | D.2.82 (D-311) |
| 9 | IN827482B | IN827437B | D.2.84 (D-315) |
| 9 | IN827493A | IN827313A | D.2.81 (D-306) |
| 9 | IN827493A | IN827313K | D.2.82 (D-311) |
| 9 | IN827493B | IN827415B | D.2.83 (D-313) |
| 9 | IN827506A | IN827313A | D.2.81 (D-306) |
| 9 | IN827506A | IN827313K | D.2.82 (D-311) |
| 9 | IN827506B | IN827415B | D.2.83 (D-313) |
| 9 | IN827517A | IN827313A | D.2.81 (D-306) |
| 9 | IN827517A | IN827313K | D.2.82 (D-311) |
| 9 | IN827517B | IN827437B | D.2.84 (D-315) |
| 9 | IN827528A | IN827313A | D.2.81 (D-306) |
| 9 | IN827528A | IN827313K | D.2.82 (D-311) |
| 9 | IN827528B | IN827437B | D.2.84 (D-315) |
| 9 | IN827539A | IN827313A | D.2.81 (D-306) |
| 9 | IN827539A | IN827313K | D.2.82 (D-311) |
| 9 | IN827539B | IN827415B | D.2.83 (D-313) |
| 9 | IN827540A | IN827313A | D.2.81 (D-307) |
| 9 | IN827540A | IN827313K | D.2.82 (D-311) |
| 9 | IN827540B | IN827415B | D.2.83 (D-314) |
| 9 | IN827551A | IN827313A | D.2.81 (D-307) |
| 9 | IN827551A | IN827313K | D.2.82 (D-311) |
| 9 | IN827551B | IN827437B | D.2.84 (D-315) |
| 9 | IN827562A | IN827313A | D.2.81 (D-307) |
| 9 | IN827562A | IN827313K | D.2.82 (D-311) |
| 9 | IN827562B | IN827437B | D.2.84 (D-316) |
| 9 | IN827573A | IN827313A | D.2.81 (D-307) |
| 9 | IN827573A | IN827313K | D.2.82 (D-311) |
| 9 | IN827573B | IN827415B | D.2.83 (D-314) |
| 9 | IN827595A | IN827313A | D.2.81 (D-308) |
| 9 | IN827595A | IN827313K | D.2.82 (D-311) |
| 9 | IN827595B | IN827437B | D.2.84 (D-316) |
| 9 | IN827608A | IN827313A | D.2.81 (D-308) |
| 9 | IN827608A | IN827313K | D.2.82 (D-311) |
| 9 | IN827608B | IN827437B | D.2.84 (D-316) |
| 9 | IN827642A | IN827313A | D.2.81 (D-308) |
| 9 | IN827642A | IN827313K | D.2.82 (D-312) |
| 9 | IN827642B | IN827437B | D.2.84 (D-316) |
| 9 | IN827653A | IN503050G | D.2.35 (D-168) |
| 9 | IN827653A | IN503050K | D.2.36 (D-172) |
| 9 | IN827664A | IN503050G | D.2.35 (D-168) |
| 9 | IN827664A | IN503050K | D.2.36 (D-172) |

TABLE D.2.2 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0001 | IN2AA1001 | IN2AA2001 | IN03A0001 | IN03B0001 | IN03A1001 | IN2AA3001 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.01 B | 0.01 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | CFA DRAINFIELD | CFA DRAINFIELD | DUPLICATE | DUPLICATE RPD |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4001 | IN0710001 | IN0710001 | IN301012C | IN301045C | IN301045C | IN301045C |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | | | | 1 | 1 | 1 | 1 |
| MERCURY | CV | 9.8 | 19 | 21 | 0.06 | 0.1 | 0.1 | 0 |
| % SOLIDS | | | | | 98.1 | 98.1 | 98.2 | |

| AREA | METHOD | QA | QA | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | CFA DRAINFIELD | MATRIX SPIKE | MS % RECOVERY | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2001 | IN2AA5001 | IN301078C | IN301078C | IN301078C | IN803019A | IN803020A |
| MATRIX | | WATER | WATER | SOIL | SOIL | | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 1 | 1 | 1 | 5 | 5 |
| MERCURY | CV | 0.02 U | 10 | 0.05 | 0.26 | 96 | 0.03 B | 0.04 B |
| % SOLIDS | | | | 93.2 | | | 91.5 | 92 |

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN803031A | IN803042A | IN03A3001 | IN2AB4001 | IN803053A | IN810018A | IN810029A |
| MATRIX | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | | | 5 | 5 | 5 |
| MERCURY | CV | 0.03 B | 0.02 B | 0.02 U | 10 | 0.02 B | 0.03 B | 0.02 B |
| % SOLIDS | | 94.9 | 94.3 | | | 93.8 | 94.6 | 94.6 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | PM-2A TANK | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | TANK | CAL BLANK | CAL FOUND | TANK | TANK |
| SAMPLE NUMBER | | IN811019A | IN811020A | IN824014A | IN03B4001 | IN2AB5001 | IN824025A | IN824036A |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 9 | | | 9 | 9 |
| MERCURY | CV | 0.03 B | 0.02 B | 0.12 | 0.02 U | 9.6 | 0.08 | 0.08 |
| % SOLIDS | | 96.3 | 95.4 | 87.5 | | | 91.5 | 90.1 |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN03B5001 | IN2AC4001 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| MERCURY | CV | 0.02 U | 10 |
| % SOLIDS | | | |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1817 | INICS1835 | INICV1889 | INICV1943 | INICV1979 | INLCS2123 | INLRA2196 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2286 | INRAN2322 | INICV1853 | INICV1925 | INICV1961 | INICB1662 | INLRA2178 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 100000 | 1080 | | 50 U | |
| ANTIMONY | P | 10000 | | | 933 | | 50 U | 108 |
| ARSENIC | P | 20000 | | | 1030 | | 60 U | 525 |
| BARIUM | P | 5000 | | | 988 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 250 | | 0.3 U | 10 |
| CADMIUM | P | 5000 | | | 250 | | 1 U | 9.5 |
| CALCIUM | P | 20000 | 800000 | | 26100 | 5340 | 150 U | |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2286 | INRAN2322 | INICV1853 | INICV1925 | INICV1961 | INICB1662 | INLRA2178 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 255 | | 5 U | 21 |
| COBALT | P | 10000 | | | 244 | | 2 U | 101 |
| COPPER | P | 10000 | | | 256 | | 10 U | 54 |
| IRON | P | 12000 | 1000000 | 107000 | 959 | | 20 U | |
| LEAD | P | 20000 | | | 2370 | | 30 U | 514 |
| MAGNESIUM | P | 12000 | 500000 | 50000 | | 4850 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 49800 | 245 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 239 | | 6 U | 83 |
| SELENIUM | P | 10000 | | | 1010 | | 50 U | 500 |
| SILVER | P | 10000 | | | 249 | | 6 U | 27 |
| SODIUM | P | 25000 | 900000 | 101000 | | 5230 | 170 U | |
| VANADIUM | P | 10000 | | | 257 | | 4 U | 103 |
| ZINC | P | 6000 | | | 1460 | | 8 U | 51 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | CFA | CFA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | DRAINFIELD | DRAINFIELD |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICS1781 | INICS1799 | INPB02214 | INPB02215 | INLCS2087 | IN301012D | IN301078D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 1 | 1 |
| ALUMINUM | P | 510000 | 518000 | 50 U | 50 U | 476 | 6490 | 11200 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 211 | 6.8 UN | 6.9 UN |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1010 | 8.2 U | 8.3 U |
| BARIUM | P | 11 B | 449 | 3.8 B | 1.8 B | 6.9 | 147 N | 243 N |
| BERYLLIUM | P | 4.2 B | 439 | 0.3 U | 0.3 U | 19 | 1.1 | 1.5 |
| CADMIUM | P | 4.9 B | 838 | 1 U | 1 U | 41 | 0.51 B | 0.91 |
| CALCIUM | P | 489000 | 497000 | 150 U | 150 U | 210000 | 29400 * | 55200 * |
| CHROMIUM | P | 17 | 436 | 5 U | 5 U | 89 | 29 | 25 |
| COBALT | P | 5.4 B | 403 | 2 U | 2 U | 129 | 5.7 B | 7.4 |
| COPPER | P | 10 U | 501 | 10 U | 10 U | 6950 | 20 | 20 |
| IRON | P | 223000 | 226000 | 20 U | 20 U | 23000 | 17000 | 17600 |
| LEAD | P | 30 U | 4060 | 30 U | 30 U | 192 | 6 B | 7.9 B |
| MAGNESIUM | P | 522000 | 529000 | 10 U | 10 U | 127000 | 5880 | 13400 |
| MANGANESE | P | 7.8 B | 439 | 5 U | 5 U | 193 | 191 | 372 |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | CFA | CFA |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | | INICS1781 | INICS1799 | INPB02214 | INPB02215 | INLCS2087 | IN301012D | IN301078D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 1 | 1 |
| NICKEL | P | 12 B | 788 | 6 U | 6 U | 55 | 23 | 32 |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 35 | 6.8 U | 6.9 U |
| SILVER | P | 6.6 B | 932 | 6 U | 6 U | 25 | 0.82 U | 0.89 B |
| SODIUM | P | 1040 B | 1050 B | 170 U | 170 U | 459 | 318 B | 1290 |
| VANADIUM | P | 4 U | 424 | 4 U | 4 U | 61 | 31 | 44 |
| ZINC | P | 8 U | 875 | 8 U | 8 U | 187 | 57 | 99 |
| % SOLIDS | | | | | | | 97.8 | 93.9 |

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | INCCV1324 | INCCV1328 | INCCV1332 | INCCB1001 | IN805011C | IN805022C | IN805033C |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 5 | 5 | 5 |
| ALUMINUM | P | 100000 | 1090 | | 50 U | 12300 | 19000 | 13900 |
| ANTIMONY | P | | 935 | | 50 U | 7 UN | 7.9 UN | 7.2 UN |
| ARSENIC | P | | 1040 | | 60 U | 8.4 U | 9.4 U | 8.7 U |
| BARIUM | P | | 999 | | 1 U | 173 N | 143 N | 169 N |
| BERYLLIUM | P | | 252 | | 0.3 U | 1.4 | 1.8 | 1.5 |
| CADMIUM | P | | 253 | | 1 U | 0.68 B | 0.67 B | 0.67 B |
| CALCIUM | P | | 26400 | 5320 | 150 U | 44500 * | 59600 * | 59500 * |
| CHROMIUM | P | | 257 | | 5 U | 22 | 27 | 22 |
| COBALT | P | | 247 | | 2 U | 11 | 7 B | 6.1 B |
| COPPER | P | | 255 | | 10 U | 18 | 19 | 16 |
| IRON | P | 107000 | 969 | | 20 U | 22900 | 19500 | 16100 |
| LEAD | P | | 2390 | | 30 U | 10 B | 9.8 B | 5.6 B |
| MAGNESIUM | P | 50100 | | 4850 B | 10 U | 12500 | 15500 | 14300 |
| MANGANESE | P | 50000 | 246 | | 5 U | 672 | 396 | 508 |
| NICKEL | P | | 241 | | 6 U | 25 | 24 | 22 |
| SELENIUM | P | | 1030 | | 50 U | 7 U | 7.9 U | 7.2 U |
| SILVER | P | | 250 | | 6 U | 1.1 B | 0.94 U | 0.9 B |
| SODIUM | P | 101000 | | 5160 | 170 U | 904 | 780 B | 637 B |
| VANADIUM | P | | 258 | | 4 U | 40 | 42 | 36 |
| ZINC | P | | 1470 | | 21 | 58 | 74 | 57 |
| % SOLIDS | | | | | | 94.3 | 83.9 | 91.8 |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D

| AREA | METHOD | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | IN805044C | IN805055C | IN805066C | IN508011D | IN508022D | IN508044D | IN508055D |
| TYPE OF LOCATION | | SOIL | SOIL | SOIL | SEDIM | SEDIM | SEDIM | SEDIM |
| SAMPLE NUMBER | | | | | | | | |
| MATRIX | | | | | | | | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 19200 | 18600 | 18900 | 893 | 1430 | 1170 | 1480 |
| ANTIMONY | P | 7.8 UN | 7.7 UN | 7.6 UN | 9.7 UN | 18 UN | 10 UN | 19 UN |
| ARSENIC | P | 9.3 U | 9.3 U | 9.2 U | 12 U | 22 U | 12 U | 22 U |
| BARIUM | P | 209 N | 181 N | 183 N | 2860 N | 8520 N | 1460 N | 1990 N |
| BERYLLIUM | P | 1.8 | 1.8 | 1.8 | 0.4 B | 0.92 B | 0.1 B | 0.36 B |
| CADMIUM | P | 0.73 B | 0.79 | 0.77 | 0.19 U | 0.39 B | 0.21 U | 0.37 U |
| CALCIUM | P | 58300 * | 61300 * | 57600 * | 5270 * | 8940 * | 711 B* | 5160 * |
| CHROMIUM | P | 29 | 27 | 27 | 6.2 | 11 | 5 | 6.1 |
| COBALT | P | 7.6 B | 6.9 B | 7.1 B | 1.2 B | 3.8 B | 0.42 U | 0.74 U |
| COPPER | P | 22 | 19 | 20 | 2.8 B | 4.5 B | 2.7 B | 4.2 B |
| IRON | P | 22100 | 19800 | 20000 | 1440 | 880 | 2080 | 990 |
| LEAD | P | 6.7 B | 7.7 B | 9.4 B | 44 | 100 | 18 B | 22 B |
| MAGNESIUM | P | 15100 | 15000 | 15500 | 466 B | 3500 | 388 B | 1070 B |
| MANGANESE | P | 543 | 470 | 435 | 7 | 6.9 | 8.6 | 9.1 |
| NICKEL | P | 26 | 24 | 25 | 7.6 B | 13 B | 5.8 B | 7.9 B |
| SELENIUM | P | 7.8 U | 7.7 U | 7.6 U | 9.7 U | 18 U | 10 U | 19 U |
| SILVER | P | 1.1 B | 1.1 B | 0.97 B | 1.2 U | 2.2 U | 1.3 U | 2.2 U |
| SODIUM | P | 1030 | 904 | 738 B | 1090 | 4510 | 558 B | 2250 |
| VANADIUM | P | 44 | 41 | 42 | 5.5 B | 11 B | 8.7 B | 9.3 B |
| ZINC | P | 69 | 80 | 111 | 4.9 | 3.2 B | 3.9 B | 5.5 B |
| % SOLIDS | | 85.5 | 85.6 | 85.9 | 65.9 | 35.9 | 61.1 | 34.9 |

| AREA | METHOD | QA | QA | QA | QA | PM-2A TANK | PM-2A TANK | PM-2A TANK |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TANK | TANK | TANK |
| TYPE OF LOCATION | | INCCV1325 | INCCV1329 | INCCV1333 | INCCB1002 | IN824014B | IN824025B | IN824036B |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| MATRIX | | | | | | | | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 9 | 9 | 9 |
| ALUMINUM | P | 100000 | 1100 | | 50 U | 10100 | 16300 | 13400 |
| ANTIMONY | P | | 949 | | 50 U | 7.2 UN | 7.2 UN | 7 UN |
| ARSENIC | P | | 1030 | | 60 U | 8.6 | 8.6 U | 9.9 B |
| BARIUM | P | | 994 | | 1 U | 127 N | 186 N | 168 N |
| BERYLLIUM | P | | 251 | | 0.3 U | 1.7 | 1.8 | 1.7 |
| CADMIUM | P | | 253 | | 1 U | 1 | 1.1 | 1.1 |
| CALCIUM | P | | 26300 | 5360 | 150 U | 148000 * | 92300 * | 105000 * |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCV1325 | INCCV1329 | INCCV1333 | INCCB1002 | IN824014B | IN824025B | IN824036B |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 9 | 9 | 9 |
| CHROMIUM | P | | 257 | | 5 U | 22 | 32 | 25 |
| COBALT | P | | 246 | | 2 U | 4.9 B | 7 B | 6.3 B |
| COPPER | P | | 256 | | 10 U | 14 | 22 | 20 |
| IRON | P | 107000 | 967 | | 20 U | 12700 | 19100 | 16500 |
| LEAD | P | | 2370 | | 30 U | 8.1 B | 14 B | 13 B |
| MAGNESIUM | P | 50100 | | 4870 B | 10 U | 11600 | 12900 | 12300 |
| MANGANESE | P | 50400 | 246 | | 5 U | 250 | 410 | 409 |
| NICKEL | P | | 244 | | 6 U | 22 | 30 | 28 |
| SELENIUM | P | | 1010 | | 50 U | 7.2 U | 7.2 U | 7 U |
| SILVER | P | | 248 | | 6 U | 0.96 B | 1.1 B | 1.1 B |
| SODIUM | P | 101000 | | 5200 | 170 U | 660 B | 613 B | 472 B |
| VANADIUM | P | | 257 | | 4 U | 33 | 48 | 39 |
| ZINC | P | | 1460 | | 8 U | 67 | 101 | 98 |
| % SOLIDS | | | | | | 90.2 | 89.2 | 90 |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | SERIAL | SD % | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | DILUTION | DIFFERENCE | | RPD |
| SAMPLE NUMBER | | IN517012E | IN517023E | IN517045E | IN517045E | IN517045E | IN517045E | IN517045E |
| MATRIX | | SEDIM | SEDIM | SEDIM | SOIL | | SOIL | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | % | MG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 8370 | 5170 | 7720 | 7740 | 0.26 | 7880 | 2.1 |
| ANTIMONY | P | 8.9 UN | 8 UN | 9.9 UN | 49 U | | 10 U | |
| ARSENIC | P | 11 U | 9.6 U | 12 U | 59 U | | 12 U | |
| BARIUM | P | 96 N | 83 N | 81 N | 77 | 4.9 | 89 | 8 |
| BERYLLIUM | P | 1.1 | 1 | 0.95 B | 0.61 B | | 0.86 B | |
| CADMIUM | P | 0.94 | 0.42 B | 0.38 B | 0.99 U | | 0.34 B | |
| CALCIUM | P | 6850 * | 15300 * | 5650 * | 5910 | 4.6 | 3180 | 2470 |
| CHROMIUM | P | 31 | 17 | 30 | 32 | | 30 | 0 |
| COBALT | P | 4.3 B | 3.7 B | 4.8 B | 5.2 B | | 4.8 B | |
| COPPER | P | 54 | 15 | 62 | 67 | | 65 | 4.7 |
| IRON | P | 14400 | 11100 | 12900 | 13200 | 2.3 | 13900 | 7.5 |
| LEAD | P | 7.6 B | 5.2 B | 8.3 B | 30 U | | 9.4 B | |
| MAGNESIUM | P | 5010 | 3990 | 4510 | 4340 | 3.8 | 4340 | 170 |
| MANGANESE | P | 168 | 141 | 111 | 116 | 4.5 | 118 | 6.1 |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D

| AREA | METHOD | TRA 1952 | TRA 1952 | TRA 1952 | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WASTE POND | WASTE POND | WASTE POND | SERIAL DILUTION | SD % DIFFERENCE | DUPLICATE | DUPLICATE RPD |
| TYPE OF LOCATION | | IN517012E | IN517023E | IN517045E | IN517045E | IN517045E | IN517045E | IN517045E |
| SAMPLE NUMBER | | SEDIM | SEDIM | SEDIM | SOIL | | SOIL | |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | % | MG/KG | % |
| UNITS | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| NICKEL | P | 21 | 15 | 21 | 5.9 U | | 21 | 0 |
| SELENIUM | P | 8.9 U | 8 U | 9.9 U | 49 U | | 10 U | |
| SILVER | P | 1.9 | 0.96 U | 1.2 U | 5.9 U | | 1.2 U | |
| SODIUM | P | 334 B | 228 B | 301 B | 168 U | | 324 B | |
| VANADIUM | P | 38 | 30 | 33 | 36 | | 35 | 2 |
| ZINC | P | 65 | 39 | 58 | 64 | | 60 | 3.4 |
| % SOLIDS | | 72.5 | 80.1 | 65.3 | 65.3 | | 65.3 | |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | MS % RECOVERY | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | IN517045E | IN517045E | IN517056E | INCCV1326 | INCCV1330 | INCCV1334 | INCCB1003 |
| SAMPLE NUMBER | | SOIL | | SEDIM | WATER | WATER | WATER | WATER |
| MATRIX | | MG/KG | % | MG/KG | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 3 | 3 | 3 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 9640 | | 6090 | 99600 | 1080 | | 50 U |
| ANTIMONY | P | 50 | 51 | 8.9 UN | | 941 | | 50 U |
| ARSENIC | P | 94 | 96 | 11 U | | 1010 | | 60 U |
| BARIUM | P | 642 | 142 | 98 N | | 994 | | 1 U |
| BERYLLIUM | P | 11 | 103 | 1.1 | | 250 | | 0.3 U |
| CADMIUM | P | 9.3 | 91 | 0.59 B | | 252 | | 1 U |
| CALCIUM | P | 5140 | | 19500 * | | 26300 | 5340 | 150 U |
| CHROMIUM | P | 68 | 97 | 19 | | 255 | | 5 U |
| COBALT | P | 96 | 93 | 3.8 B | | 244 | | 2 U |
| COPPER | P | 110 | 98 | 16 | | 254 | | 10 U |
| IRON | P | 13900 | | 11700 | 107000 | 963 | | 20 U |
| LEAD | P | 112 | 106 | 5.6 B | | 2350 | | 30 U |
| MAGNESIUM | P | 4300 | | 4720 | 49800 | | 4780 B | 10 U |
| MANGANESE | P | 213 | 104 | 117 | 50900 | 246 | | 5 U |
| NICKEL | P | 114 | 95 | 17 | | 245 | | 6 U |
| SELENIUM | P | 98 | 100 | 8.9 U | | 1010 | | 50 U |
| SILVER | P | 10 | 102 | 1.1 U | | 243 | | 6 U |
| SODIUM | P | 647 B | | 294 B | 100000 | | 5190 | 170 U |
| VANADIUM | P | 131 | 100 | 34 | | 253 | | 4 U |
| ZINC | P | 155 | 99 | 52 | | 1460 | | 8 U |
| % SOLIDS | | 65.3 | | 72.6 | | | | |

TABLE D.2.3 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1327 | INCCV1331 | INCCV1335 | INCCB1004 | INLRA2160 | INICS1745 | INICS1763 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 99300 | 1070 | | 50 U | | 507000 | 512000 |
| ANTIMONY | P | | 926 | | 50 U | 118 | 50 U | 50 U |
| ARSENIC | P | | 1020 | | 60 U | 493 | 60 U | 60 U |
| BARIUM | P | | 989 | | 1 U | | 12 B | 449 |
| BERYLLIUM | P | | 251 | | 0.3 U | 9.6 | 4.3 B | 443 |
| CADMIUM | P | | 251 | | 1 U | 9.7 | 4.7 B | 842 |
| CALCIUM | P | | 26200 | 5360 | 150 U | | 496000 | 500000 |
| CHROMIUM | P | | 254 | | 5 U | 20 | 17 | 435 |
| COBALT | P | | 244 | | 2 U | 100 | 6 B | 404 |
| COPPER | P | | 253 | | 10 U | 53 | 10 U | 494 |
| IRON | P | 107000 | 961 | | 20 U | | 224000 | 226000 |
| LEAD | P | | 2340 | | 30 U | 503 | 30 U | 4040 |
| MAGNESIUM | P | 49700 | | 4790 B | 10 U | | 520000 | 523000 |
| MANGANESE | P | 51200 | 246 | | 5 U | 31 | 8.6 B | 442 |
| NICKEL | P | | 242 | | 6 U | 85 | 11 B | 797 |
| SELENIUM | P | | 1020 | | 50 U | 480 | 50 U | 50 U |
| SILVER | P | | 241 | | 6 U | 25 | 7.5 B | 903 |
| SODIUM | P | 98900 | | 5120 | 170 U | | 921 B | 899 B |
| VANADIUM | P | | 251 | | 4 U | 98 | 4 U | 416 |
| ZINC | P | | 1470 | | 8 U | 50 | 8 U | 871 |
| % SOLIDS | | | | | | | | |

TABLE D.2.4 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012K

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | LAB CONTROL SAMPLE TRUE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL BLANK | PREP BLANK | PREP BLANK |
| TYPE OF LOCATION | | INICV1890 | INLCS2124 | INRAN2287 | INICV1854 | INICB1663 | INPB02216 | INPB02217 |
| SAMPLE NUMBER | | WATER | SOIL | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 1000 B | 100 U | 100 U | 100 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL SAMPLE | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | INLCS2088 | INCCV1135 | INCCB1005 | IN508011D | IN508022D | IN508044D | IN508055D |
| SAMPLE NUMBER | | SOIL | WATER | WATER | SEDIM | SEDIM | SEDIM | SEDIM |
| MATRIX | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 390 | 1000 B | 100 U | 750 B | 1400 B | 790 B | 1300 B |
| % SOLIDS | | | | | 65.9 | 35.9 | 61.1 | 34.9 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | INCCV1136 | INCCB1006 | IN301012D | IN301045D | IN301078D | IN805011C | IN805022C |
| SAMPLE NUMBER | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | 1 | 1 | 1 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 100 U | 1400 | 2300 | 2000 | 2900 | 4200 |
| % SOLIDS | | | | 97.8 | 97.2 | 93.9 | 94.3 | 83.9 |

TABLE D.2.4 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301012K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | OMRE | PM-2A TANK |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND | LEACH POND | TANK |
| SAMPLE NUMBER | | IN805033C | INCCV1137 | INCCB1007 | IN805044C | IN805055C | IN805066C | IN824014B |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | 5 | 5 | 5 | 9 |
| POTASSIUM | FE | 3200 | 1100 B | 100 U | 5000 | 4200 | 4200 | 2500 |
| % SOLIDS | | 91.8 | | | 85.5 | 85.6 | 85.9 | 90.2 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | TRA 1952 | TRA 1952 | TRA 1952 | DUPLICATE | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | WASTE POND | WASTE POND | WASTE POND | | CAL FOUND |
| SAMPLE NUMBER | | IN824025B | IN824036B | IN517012E | IN517023E | IN517045E | IN517045E | INCCV1138 |
| MATRIX | | SOIL | SOIL | SEDIM | SEDIM | SEDIM | SOIL | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 3 | 3 | 3 | 3 | |
| POTASSIUM | FE | 3800 | 3000 | 1500 | 1000 | 1200 | 1200 | 1000 B |
| % SOLIDS | | 89.2 | 90 | 72.5 | 80.1 | 65.3 | 65.3 | |

| AREA | METHOD | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | CONTINUING | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RPD | CAL BLANK | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN517045E | INCCB1008 | IN517056E | INCCV1139 | INCCB1009 |
| MATRIX | | | WATER | SEDIM | WATER | WATER |
| UNITS | | % | UG/L | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | 3 | | |
| POTASSIUM | FE | 0 | 100 U | 1200 | 1100 B | 100 U |
| % SOLIDS | | | | 72.6 | | |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1818 | INICS1836 | INICV1891 | INICV1944 | INICV1980 | INLCS2125 | INLRA2197 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2288 | INRAN2323 | INICV1855 | INICV1926 | INICV1962 | INICB1664 | INLRA2179 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 100000 | 1110 | | 50 U | |
| ANTIMONY | P | 10000 | | | 941 | | 50 U | 108 |
| ARSENIC | P | 20000 | | | 1030 | | 60 U | 510 |
| BARIUM | P | 5000 | | | 997 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 253 | | 0.3 U | 9.8 |
| CADMIUM | P | 5000 | | | 255 | | 1 U | 11 |
| CALCIUM | P | 20000 | 800000 | | 26400 | 5340 | 150 U | |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2288 | INRAN2323 | INICV1855 | INICV1926 | INICV1962 | INICB1664 | INLRA2179 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 252 | | 5 U | 20 |
| COBALT | P | 10000 | | | 248 | | 2 U | 100 |
| COPPER | P | 10000 | | | 257 | | 10 U | 54 |
| IRON | P | 12000 | 1000000 | 107000 | 970 | | 20 U | |
| LEAD | P | 20000 | | | 2380 | | 30 U | 501 |
| MAGNESIUM | P | 12000 | 500000 | 49600 | | 4830 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50000 | 249 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 242 | | 6 U | 85 |
| SELENIUM | P | 10000 | | | 988 | | 50 U | 481 |
| SILVER | P | 10000 | | | 249 | | 6 U | 37 |
| SODIUM | P | 25000 | 900000 | 102000 | | 5390 | 170 U | |
| VANADIUM | P | 10000 | | | 258 | | 4 U | 98 |
| ZINC | P | 6000 | | | 1470 | | 8 U | 59 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICS1782 | INICS1800 | INPB02218 | INPB02219 | INLCS2089 | IN811019B | IN811020B |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 5 | 5 |
| ALUMINUM | P | 512000 | 514000 | 50 U | 50 U | 400 | 10200 | 12200 |
| ANTIMONY | P | 50 U | 1790 | 50 U | 50 U | 253 | 7.1 UN | 7.5 UN |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 962 | 8.5 U | 9 U |
| BARIUM | P | 13 B | 462 | 1 U | 1 U | 6.6 | 159 | 180 |
| BERYLLIUM | P | 4.5 B | 442 | 0.3 U | 0.3 U | 19 | 1.3 E | 1.4 E |
| CADMIUM | P | 6.1 | 871 | 1 U | 1 U | 39 | 0.74 | 0.88 |
| CALCIUM | P | 494000 | 499000 | 150 U | 150 U | 216000 | 24200 | 15900 |
| CHROMIUM | P | 18 | 439 | 5 U | 5 U | 89 | 24 | 23 |
| COBALT | P | 8 B | 409 | 2 U | 2 U | 126 | 6.3 B | 7 B |
| COPPER | P | 10 U | 496 | 10 U | 10 U | 7100 | 16 | 19 |
| IRON | P | 223000 | 226000 | 20 U | 20 U | 22000 | 16000 | 18100 |
| LEAD | P | 30 U | 4070 | 30 U | 30 U | 191 | 9.2 B | 9.5 B |
| MAGNESIUM | P | 519000 | 539000 | 10 U | 10 U | 130000 | 7480 E | 7350 E |
| MANGANESE | P | 9 B | 442 | 5 U | 5 U | 193 | 236 | 288 |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D

| AREA | METHOD | QA | QA | QA | QA | QA | OMRE | OMRE |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | LEACH POND | LEACH POND |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | IN811019B | IN811020B |
| SAMPLE NUMBER | | INICS1782 | INICS1800 | INPB02218 | INPB02219 | INLCS2089 | SOIL | SOIL |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | MG/KG | MG/KG |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| NICKEL | P | 12 B | 802 | 6 U | 6 U | 54 | 26 | 27 |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 40 | 7.1 U | 7.5 U |
| SILVER | P | 6.8 B | 912 | 6 U | 6 U | 27 | 0.85 U | 0.9 U |
| SODIUM | P | 1220 B | 1170 B | 170 U | 170 U | 607 | 419 B | 424 B |
| VANADIUM | P | 4 U | 420 | 4 U | 4 U | 61 | 31 E | 29 E |
| ZINC | P | 8 U | 887 | 13 B | 9.2 B | 184 | 82 | 102 |
| % SOLIDS | | | | | | | 96.1 | 95 |

| AREA | METHOD | OMRE | QA | QA | QA | QA | OMRE | OMRE |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LEACH POND | CONTINUING | CONTINUING | CONTINUING | CONTINUING | LEACH POND | LEACH POND |
| TYPE OF LOCATION | | IN803019B | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | IN803020B | IN803031B |
| SAMPLE NUMBER | | SOIL | INCCV1140 | INCCV1265 | INCCV1336 | INCCB1010 | SOIL | SOIL |
| MATRIX | | MG/KG | WATER | WATER | WATER | WATER | MG/KG | MG/KG |
| UNITS | | 5 | UG/L | UG/L | UG/L | UG/L | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 15300 | 101000 | 1120 | | 50 U | 17000 | 14700 |
| ANTIMONY | P | 7.6 UN | | 946 | | 50 U | 7.1 UN | 7.4 UN |
| ARSENIC | P | 9.1 U | | 1020 | | 60 U | 8.6 U | 8.9 U |
| BARIUM | P | 183 | | 994 | | 1 U | 216 | 191 |
| BERYLLIUM | P | 1.6 E | | 252 | | 0.3 U | 1.7 E | 1.4 E |
| CADMIUM | P | 0.67 B | | 254 | | 1 U | 0.68 B | 0.55 B |
| CALCIUM | P | 10100 | | 26500 | 5330 | 150 U | 7300 | 4080 |
| CHROMIUM | P | 25 | | 255 | | 5 U | 24 | 22 |
| COBALT | P | 8.2 | | 250 | | 2 U | 8.1 | 7.3 B |
| COPPER | P | 23 | | 257 | | 10 U | 24 | 20 |
| IRON | P | 22100 | 107000 | 977 | | 20 U | 22800 | 20200 |
| LEAD | P | 12 B | | 2380 | | 30 U | 12 B | 11 B |
| MAGNESIUM | P | 7260 E | 50100 | | 4830 B | 10 U | 6840 E | 5270 E |
| MANGANESE | P | 444 | 51000 | 249 | | 5 U | 523 | 441 |
| NICKEL | P | 26 | | 241 | | 6 U | 26 | 24 |
| SELENIUM | P | 7.6 U | | 1030 | | 50 U | 7.1 U | 7.4 U |
| SILVER | P | 1.4 B | | 247 | | 6 U | 1.8 | 0.91 B |
| SODIUM | P | 489 B | 103000 | | 5320 | 170 U | 546 B | 190 B |
| VANADIUM | P | 36 E | | 257 | | 4 U | 35 E | 31 E |
| ZINC | P | 77 | | 1480 | | 8 U | 83 | 76 |
| % SOLIDS | | 91.2 | | | | | 93.2 | 95.2 |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | OMRE | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | LEACH POND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN803042B | IN803053B | IN810018B | IN810029B | IN819051B | IN819062B | IN819073B |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| ALUMINUM | P | 13100 | 11300 | 9130 | 7030 | 11300 | 12700 | 11900 |
| ANTIMONY | P | 7.1 UN | 7.3 UN | 7.1 UN | 7.1 UN | 7.2 UN | 7.5 UN | 7 UN |
| ARSENIC | P | 8.6 U | 8.7 U | 8.6 U | 8.5 U | 8.6 U | 9 U | 8.4 U |
| BARIUM | P | 192 | 187 | 178 | 163 | 166 | 182 | 209 |
| BERYLLIUM | P | 1.5 E | 1.4 E | 1.3 E | 1.3 E | 1.3 E | 1.4 E | 1.4 E |
| CADMIUM | P | 0.75 | 0.73 | 0.66 B | 0.71 B | 0.48 B | 0.46 B | 0.68 B |
| CALCIUM | P | 6830 | 4460 | 22300 | 34000 | 14500 | 9850 | 18100 |
| CHROMIUM | P | 20 | 18 | 18 | 14 | 26 | 29 | 36 |
| COBALT | P | 7.7 | 7.5 | 7 B | 5.7 B | 7.5 | 7.5 | 7 |
| COPPER | P | 21 | 20 | 19 | 16 | 18 | 20 | 28 |
| IRON | P | 20100 | 18300 | 17600 | 12900 | 18600 | 19000 | 18600 |
| LEAD | P | 12 B | 13 B | 8.9 B | 9.1 B | 9.4 B | 11 B | 30 |
| MAGNESIUM | P | 5670 E | 5050 E | 6830 E | 6790 E | 7790 E | 7140 E | 8000 E |
| MANGANESE | P | 456 | 475 | 394 | 279 | 273 | 266 | 263 |
| NICKEL | P | 26 | 24 | 22 | 18 | 24 | 26 | 27 |
| SELENIUM | P | 7.1 U | 7.3 U | 7.1 U | 7.1 U | 7.2 U | 7.5 U | 7 U |
| SILVER | P | 0.89 B | 0.87 U | 0.86 U | 0.93 B | 0.86 U | 0.9 U | 0.92 B |
| SODIUM | P | 185 B | 141 B | 375 B | 565 B | 299 B | 285 B | 356 B |
| VANADIUM | P | 29 E | 26 E | 24 E | 23 E | 41 E | 49 E | 47 E |
| ZINC | P | 75 | 69 | 52 | 47 | 60 | 65 | 78 |
| % SOLIDS | | 94.6 | 94.6 | 94.8 | 95.2 | 95.6 | 94.8 | 95.1 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN819084B | INCCV1141 | INCCV1266 | INCCV1337 | INCCB1011 | IN511016C | IN511027C |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | | | | | 3 | 3 |
| ALUMINUM | P | 11900 | 99600 | 1100 | | 50 U | 24500 | 17100 |
| ANTIMONY | P | 11 N | | 939 | | 50 U | 9.8 UN | 9 UN |
| ARSENIC | P | 8.5 U | | 998 | | 60 U | 12 U | 11 U |
| BARIUM | P | 234 | | 991 | | 1 U | 248 | 222 |
| BERYLLIUM | P | 1.6 E | | 250 | | 0.3 U | 2.4 E | 2.1 E |
| CADMIUM | P | 7.9 | | 253 | | 1 U | 1.7 | 1.3 |
| CALCIUM | P | 61300 | | 26400 | 5320 | 150 U | 50100 | 76700 |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF BURN PITS | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN819084B | INCCV1141 | INCCV1266 | INCCV1337 | INCCB1011 | IN511016C | IN511027C |
| SAMPLE NUMBER | | SOIL | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| MATRIX | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | 7 | | | | | 3 | 3 |
| CHROMIUM | P | 42 | | 249 | | 5 U | 43 | 33 |
| COBALT | P | 6.9 B | | 248 | | 2 U | 11 | 9.8 |
| COPPER | P | 73 | | 254 | | 10 U | 37 | 37 |
| IRON | P | 27000 | 106000 | 968 | | 20 U | 29000 | 24700 |
| LEAD | P | 56 | | 2370 | | 30 U | 20 B | 19 B |
| MAGNESIUM | P | 8610 E | 49200 | | 4770 B | 10 U | 15100 E | 14400 E |
| MANGANESE | P | 414 | 50900 | 247 | | 5 U | 319 | 480 |
| NICKEL | P | 30 | | 237 | | 6 U | 45 | 36 |
| SELENIUM | P | 7 U | | 1030 | | 50 U | 9.8 U | 9 U |
| SILVER | P | 1.6 | | 241 | | 6 U | 3.3 | 3.5 |
| SODIUM | P | 1390 | 101000 | | 5300 | 170 U | 849 B | 599 B |
| VANADIUM | P | 36 E | | 252 | | 4 U | 48 E | 48 E |
| ZINC | P | 875 | | 1470 | | 15 B | 196 | 137 |
| % SOLIDS | | 94.8 | | | | | 69.7 | 76 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | SERIAL DILUTION | SD % DIFFERENCE |
| TYPE OF LOCATION | | IN511049C | IN511050C | IN804010C | IN804021C | IN804032C | IN804032C | IN804032C |
| SAMPLE NUMBER | | SEDIM | SEDIM | SOIL | SOIL | SOIL | SOIL | |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | 3 | 3 | 5 | 5 | 5 | 5 | 5 |
| ALUMINUM | P | 21300 | 15400 | 12700 | 14500 | 16600 | 16800 | 1.2 |
| ANTIMONY | P | 11 UN | 11 UN | 7.1 UN | 7.3 UN | 7.4 UN | 45 | |
| ARSENIC | P | 13 U | 13 U | 8.5 U | 8.7 U | 8.8 U | 44 U | |
| BARIUM | P | 226 | 212 | 234 | 251 | 270 | 288 | 6.7 |
| BERYLLIUM | P | 2.3 E | 2.2 E | 1.6 E | 1.7 E | 1.8 E | 3.5 | 94 |
| CADMIUM | P | 1.6 | 1.4 | 0.72 | 0.84 | 0.8 | 0.74 U | |
| CALCIUM | P | 38200 | 69200 | 52100 | 57500 | 53100 | 55600 | 4.7 |
| CHROMIUM | P | 42 | 32 | 21 | 26 | 29 | 34 | |
| COBALT | P | 10 B | 9.1 B | 7.2 | 7.2 B | 8.4 | 8.8 | |
| COPPER | P | 78 | 50 | 18 | 17 | 19 | 20 | |
| IRON | P | 28200 | 23700 | 19400 | 19700 | 23000 | 24500 | 6.5 |
| LEAD | P | 22 B | 16 B | 8.9 B | 8.5 B | 9.6 B | 22 U | |
| MAGNESIUM | P | 15500 E | 14400 E | 11300 E | 10900 E | 12100 E | 13400 | 11 |
| MANGANESE | P | 202 | 341 | 440 | 439 | 508 | 456 | 10 |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE | SERIAL | SD % |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND | DILUTION | DIFFERENCE |
| SAMPLE NUMBER | | IN511049C | IN511050C | IN804010C | IN804021C | IN804032C | IN804032C | IN804032C |
| MATRIX | | SEDIM | SEDIM | SOIL | SOIL | SOIL | SOIL | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 5 | 5 | 5 | 5 | 5 |
| NICKEL | P | 44 | 36 | 22 | 23 | 25 | 4.4 U | |
| SELENIUM | P | 11 U | 11 U | 7.1 U | 7.3 U | 7.4 U | 37 U | |
| SILVER | P | 26 | 9 | 0.85 U | 0.94 B | 0.88 U | 4.4 U | |
| SODIUM | P | 838 B | 591 B | 1360 | 1310 | 1340 | 896 | |
| VANADIUM | P | 42 E | 40 E | 31 E | 40 E | 46 E | 56 | 22 |
| ZINC | P | 293 | 202 | 64 | 64 | 67 | 69 | 3 |
| % SOLIDS | | 54.8 | 64 | 91.8 | 94 | 92.8 | 92.8 | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN804032C | IN804032C | IN804032C | IN804032C | INCCV1142 | INCCV1267 | INCCV1338 |
| MATRIX | | SOIL | | SOIL | | WATER | WATER | WATER |
| UNITS | | MG/KG | % | MG/KG | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | | | |
| ALUMINUM | P | 16700 | 0.6 | 15800 | | 100000 | 1100 | |
| ANTIMONY | P | 7.6 U | | 11 | 15 | | 942 | |
| ARSENIC | P | 9.1 U | | 71 | 95 | | 1010 | |
| BARIUM | P | 293 | 8.2 | 534 | 88 | | 986 | |
| BERYLLIUM | P | 1.8 | 0 | 8.7 | 92 | | 251 | |
| CADMIUM | P | 0.94 | 0.13 | 6.5 | 76 | | 252 | |
| CALCIUM | P | 52600 | 0.95 | 50100 | | | 26400 | 5310 |
| CHROMIUM | P | 29 | 0 | 55 | 87 | | 252 | |
| COBALT | P | 7.9 | 0.5 | 74 | 86 | | 248 | |
| COPPER | P | 19 | 0 | 53 | 89 | | 255 | |
| IRON | P | 22100 | 4 | 23100 | | 106000 | 973 | |
| LEAD | P | 9.3 B | | 80 | 94 | | 2390 | |
| MAGNESIUM | P | 11700 | 3.4 | 12100 | | 49300 | | 4880 B |
| MANGANESE | P | 486 | 4.4 | 616 | | 50000 | 247 | |
| NICKEL | P | 25 | 0 | 87 | 83 | | 236 | |
| SELENIUM | P | 7.6 U | | 65 | 87 | | 1010 | |
| SILVER | P | 1 B | | 8.2 | 109 | | 249 | |
| SODIUM | P | 1300 | 40 | 1270 | | 103000 | | 5320 |
| VANADIUM | P | 46 | 0 | 115 | 92 | | 258 | |
| ZINC | P | 66 | 1.5 | 134 | 89 | | 1460 | |
| % SOLIDS | | 92.8 | | 92.8 | | | | |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D

DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | OMRE | OMRE | OMRE | CFA | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | LEACH POND | LEACH POND | LEACH POND | DRAINFIELD | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCB1012 | IN804043C | IN804054C | IN804065C | IN301045D | INCCV1143 | INCCV1268 |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | 5 | 5 | 5 | 1 | | |
| ALUMINUM | P | 50 U | 19000 | 16800 | 17700 | 9750 | 101000 | 1100 |
| ANTIMONY | P | 50 U | 7.4 UN | 7.5 UN | 7.8 UN | 6.8 UN | | 933 |
| ARSENIC | P | 60 U | 8.9 U | 9 U | 9.3 U | 8.2 U | | 1020 |
| BARIUM | P | 1 U | 243 | 282 | 272 | 178 | | 998 |
| BERYLLIUM | P | 0.3 U | 1.8 E | 1.8 E | 2 E | 1.4 E | | 253 |
| CADMIUM | P | 1 U | 0.76 | 0.88 | 0.91 | 0.86 | | 254 |
| CALCIUM | P | 150 U | 41900 | 52600 | 73700 | 33100 | | 26600 |
| CHROMIUM | P | 5 U | 28 | 25 | 25 | 26 | | 258 |
| COBALT | P | 2 U | 8 | 8.3 | 8.5 | 6.3 B | | 252 |
| COPPER | P | 10 U | 22 | 22 | 25 | 19 | | 257 |
| IRON | P | 20 U | 23600 | 22400 | 22800 | 16400 | 107000 | 982 |
| LEAD | P | 30 U | 8.8 B | 13 B | 11 B | 11 B | | 2430 |
| MAGNESIUM | P | 10 U | 12000 E | 13200 E | 14200 E | 7300 E | 49900 | |
| MANGANESE | P | 5 U | 458 | 477 | 518 | 342 | 50600 | 250 |
| NICKEL | P | 6 U | 25 | 25 | 26 | 24 | | 235 |
| SELENIUM | P | 50 U | 7.4 U | 7.5 U | 7.8 U | 6.8 U | | 1030 |
| SILVER | P | 6 U | 0.89 U | 1.1 B | 1.1 B | 2.5 | | 249 |
| SODIUM | P | 170 U | 1300 | 2020 | 1540 | 306 B | 104000 | |
| VANADIUM | P | 4 U | 42 E | 41 E | 38 E | 34 E | | 258 |
| ZINC | P | 8 U | 73 | 80 | 82 | 84 | | 1470 |
| % SOLIDS | | | 90.4 | 90 | 85.2 | 97.2 | | |

| AREA | METHOD | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1339 | INCCB1013 | INLRA2161 | INICS1746 | INICS1764 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | |
| ALUMINUM | P | | 50 U | | 519000 | 520000 |
| ANTIMONY | P | | 50 U | 103 | 50 U | 1820 |
| ARSENIC | P | | 60 U | 505 | 60 U | 60 U |
| BARIUM | P | | 1 U | | 13 B | 464 |
| BERYLLIUM | P | | 0.3 U | 9.5 | 4.4 B | 442 |
| CADMIUM | P | | 1 U | 9.7 | 7.2 | 874 |
| CALCIUM | P | 5190 | 150 U | | 502000 | 503000 |

TABLE D.2.5 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN301045D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1339 | INCCB1013 | INLRA2161 | INICS1746 | INICS1764 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | |
| CHROMIUM | P | | 5 U | 21 | 19 | 443 |
| COBALT | P | | 2 U | 103 | 7.2 B | 413 |
| COPPER | P | | 10 U | 53 | 18 U | 501 |
| IRON | P | | 20 U | | 224000 | 226000 |
| LEAD | P | | 30 U | 525 | 30 U | 4130 |
| MAGNESIUM | P | 4850 B | 10 U | | 523000 | 544000 |
| MANGANESE | P | | 5 U | 31 | 9.2 B | 447 |
| NICKEL | P | | 6 U | 80 | 11 B | 797 |
| SELENIUM | P | | 50 U | 501 | 50 U | 50 U |
| SILVER | P | | 6 U | 35 | 7.7 B | 925 |
| SODIUM | P | 5210 | 170 U | | 1230 B | 1250 B |
| VANADIUM | P | | 4 U | 100 | 4 U | 425 |
| ZINC | P | | 10 B | 41 | 8 U | 895 |
| % SOLIDS | | | | | | |

TABLE D.2.6 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013H

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | | | | | | | |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| MATRIX | | IN03A0002 | IN2AA1002 | IN2AA2002 | IN03A0002 | IN03B0002 | IN03A1002 | IN2AA3002 |
| UNITS | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| ENV PROBLEM NO | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.09 B | 0.09 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | | | | | | | |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | USGS-113 WELL | WELL 116 WELL | DUPLICATE | WELL 98 WELL |
| MATRIX | | IN2AA4002 | IN0710002 | IN0710002 | IN417011H | IN419013H | IN419013H | IN405017H |
| UNITS | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| ENV PROBLEM NO | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| MERCURY | CV | 9.7 | 10 | 10 | 0.24 | 0.05 B | 0.04 B | 0.06 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | | | | | | | |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL BLANK | CONTINUING CAL FOUND | WELL P&W 2 WELL | WELL P&W 2 WELL | WELL P&W 2 WELL |
| MATRIX | | IN405017H | IN405017H | IN03A2002 | IN2AA5002 | IN401013H | IN401024H | IN401035A |
| UNITS | | WATER | % | WATER | WATER | WATER | WATER | WATER |
| ENV PROBLEM NO | | UG/L 2 | 2 | UG/L | UG/L | UG/L 2 | UG/L 2 | UG/L 2 |
| MERCURY | CV | 0.98 | 86 | 0.02 U | 10 | 0.05 B | 0.03 B | 0.03 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.6 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013H

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | USGS-37 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN418012H | IN03A3002 | IN2AB4002 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | |
| MERCURY | CV | 0.08 B | 0.02 U | 10 |
| % SOLIDS | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1819 | INICS1837 | INICV1892 | INICV1945 | INICV1981 | INLCS2126 | INLRA2198 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 1040 | |
| ANTIMONY | P | | | | 1000 | | 1000 | 120 |
| ARSENIC | P | | | | 1000 | | 1000 | 500 |
| BARIUM | P | | 483 | | 1000 | | 1000 | |
| BERYLLIUM | P | | 474 | | 250 | | 250 | 10 |
| CADMIUM | P | | 909 | | 246 | | 246 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 25100 | |
| CHROMIUM | P | | 513 | | 251 | | 251 | 20 |
| COBALT | P | | 478 | | 249 | | 249 | 100 |
| COPPER | P | | 534 | | 260 | | 260 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 1040 | |
| LEAD | P | | 4850 | | 2480 | | 2480 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 12800 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 252 | 30 |
| NICKEL | P | | 916 | | 242 | | 242 | 80 |
| SELENIUM | P | | | | 1000 | | 1000 | 500 |
| SILVER | P | | 934 | | 242 | | 242 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 25700 | |
| VANADIUM | P | | 475 | | 252 | | 252 | 100 |
| ZINC | P | | 973 | | 1460 | | 1460 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2289 | INRAN2324 | INICV1856 | INICV1927 | INICV1963 | INICB1665 | INLRA2180 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 99700 | 1120 | | 50 U | |
| ANTIMONY | P | 10000 | | | 974 | | 50 U | 113 |
| ARSENIC | P | 20000 | | | 1040 | | 60 U | 501 |
| BARIUM | P | 5000 | | | 980 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 259 | | 0.3 U | 9.3 |
| CADMIUM | P | 5000 | | | 250 | | 1 U | 8.9 |
| CALCIUM | P | 20000 | 800000 | | 26200 | 5260 | 150 U | |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2289 | INRAN2324 | INICV1856 | INICV1927 | INICV1963 | INICB1665 | INLRA2180 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 258 | | 5 U | 21 |
| COBALT | P | 10000 | | | 246 | | 2 U | 97 |
| COPPER | P | 10000 | | | 255 | | 10 U | 51 |
| IRON | P | 12000 | 1000000 | 106000 | 978 | | 20 U | |
| LEAD | P | 20000 | | | 2380 | | 30 U | 482 |
| MAGNESIUM | P | 12000 | 500000 | 50300 | | 4930 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 48900 | 252 | | 5 U | 30 |
| NICKEL | P | 15000 | | | 241 | | 6 U | 80 |
| SELENIUM | P | 10000 | | | 982 | | 50 U | 491 |
| SILVER | P | 10000 | | | 250 | | 6 U | 20 |
| SODIUM | P | 25000 | 900000 | 104000 | | 5160 | 170 U | |
| VANADIUM | P | 10000 | | | 256 | | 4 U | 97 |
| ZINC | P | 6000 | | | 1470 | | 8 U | 43 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | USGS-113 | WELL 116 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1783 | INICS1801 | INPB02220 | INPB02221 | INLCS2090 | IN417011I | IN419013I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| ALUMINUM | P | 519000 | 523000 | 50 U | 50 U | 1150 | 318 | 651 |
| ANTIMONY | P | 1840 | 1600 | 50 U | 50 U | 1010 | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1080 | 60 U | 60 U |
| BARIUM | P | 19 B | 441 | 1 U | 1 U | 984 | 210 | 121 B |
| BERYLLIUM | P | 4.1 B | 444 | 0.3 U | 0.3 U | 262 | 2.9 B | 2.5 B |
| CADMIUM | P | 26 | 853 | 1 U | 1 U | 250 | 1 U | 1 U |
| CALCIUM | P | 501000 | 498000 | 150 U | 150 U | 26600 | 79200 | 57800 |
| CHROMIUM | P | 18 | 440 | 5 U | 5 U | 259 | 12 | 12 |
| COBALT | P | 6.2 B | 406 | 2 U | 2 U | 247 | 2 U | 2 U |
| COPPER | P | 10 U | 491 | 10 U | 10 U | 260 | 10 U | 10 U |
| IRON | P | 226000 | 223000 | 20 U | 20 U | 994 | 20 U | 296 |
| LEAD | P | 30 U | 3990 | 30 U | 30 U | 2370 | 30 U | 30 U |
| MAGNESIUM | P | 543000 | 541000 | 10 U | 10 U | 13800 | 21900 | 16800 |
| MANGANESE | P | 8.5 B | 444 | 5 U | 5 U | 252 | 5 U | 11 B |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013I

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | USGS-113 | WELL 116 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1783 | INICS1801 | INPB02220 | INPB02221 | INLCS2090 | IN417011I | IN419013I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| NICKEL | P | 12 B | 774 | 6 U | 6 U | 247 | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 1060 | 50 U | 50 U |
| SILVER | P | 7.5 B | 923 | 6 U | 6 U | 249 | 6 U | 6 U |
| SODIUM | P | 1320 B | 1110 B | 170 U | 170 U | 23500 | 64600 | 29800 |
| VANADIUM | P | 4 U | 416 | 4 U | 4 U | 255 | 14 B | 15 B |
| ZINC | P | 8 U | 879 | 19 B | 19 B | 1490 | 123 | 195 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL 98 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN405017I | INCCV1144 | INCCV1269 | INCCV1340 | INCCB1014 | IN510015B | IN510026B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 3 | 3 |
| ALUMINUM | P | 232 | 101000 | 1120 | | 50 U | 3850 | 791 |
| ANTIMONY | P | 50 U | | 986 | | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | | 1030 | | 60 U | 60 U | 60 U |
| BARIUM | P | 42 B | | 981 | | 1 U | 72 B | 90 B |
| BERYLLIUM | P | 2.3 B | | 260 | | 0.3 U | 3.3 B | 2.5 B |
| CADMIUM | P | 1 U | | 250 | | 1 U | 1 U | 1 U |
| CALCIUM | P | 55000 | | 26600 | 5300 | 150 U | 51400 | 56700 |
| CHROMIUM | P | 7.6 B | | 257 | | 5 U | 9.1 B | 28 |
| COBALT | P | 2 U | | 246 | | 2 U | 2 U | 2 U |
| COPPER | P | 10 U | | 253 | | 10 U | 12 B | 13 B |
| IRON | P | 20 U | 107000 | 974 | | 20 U | 3720 | 616 |
| LEAD | P | 30 U | | 2350 | | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 21700 | 50900 | | 4890 B | 10 U | 19100 | 17200 |
| MANGANESE | P | 5 U | 50200 | 251 | | 5 U | 72 | 28 |
| NICKEL | P | 6 U | | 246 | | 6 U | 11 B | 15 B |
| SELENIUM | P | 50 U | | 996 | | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | | 244 | | 6 U | 6 U | 6 U |
| SODIUM | P | 13500 | 103000 | | 5140 | 170 U | 99500 | 50600 |
| VANADIUM | P | 17 B | | 251 | | 4 U | 22 B | 17 B |
| ZINC | P | 134 | | 1470 | | 8 U | 57 | 124 |
| % SOLIDS | | | | | | | | |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013I

DRAFT DO NOT CITE

| AREA | METHOD | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| TYPE OF LOCATION | | IN510048B | IN510059B | IN510253B | IN513018E | IN513029E | IN513041E | IN513052E |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 15500 | 1140 | 304 | 344 | 312 | 372 | 616 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U |
| BARIUM | P | 241 | 114 B | 12 B | 9.7 B | 11 B | 11 B | 15 B |
| BERYLLIUM | P | 4.4 B | 2.8 B | 0.3 U | 1.8 B | 1.5 B | 1.9 B | 1.7 B |
| CADMIUM | P | 1.1 B | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| CALCIUM | P | 70600 | 66800 | 1330 B | 31500 | 30400 | 32500 | 29600 |
| CHROMIUM | P | 42 | 6.8 B | 20 | 5 U | 5.2 B | 5 U | 5 U |
| COBALT | P | 6 B | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| COPPER | P | 102 | 19 B | 78 | 10 U | 10 U | 10 U | 10 U |
| IRON | P | 17600 | 1010 | 300 | 214 | 189 | 248 | 507 |
| LEAD | P | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 24900 | 17000 | 208 B | 9380 | 9110 | 9380 | 8650 |
| MANGANESE | P | 217 | 53 | 9.7 B | 6.1 B | 5.7 B | 7.8 B | 13 B |
| NICKEL | P | 29 B | 6 U | 14 B | 6 U | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| SILVER | P | 35 | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 106000 | 46900 | 170 U | 24900 | 24700 | 25600 | 24300 |
| VANADIUM | P | 48 B | 21 B | 4 U | 13 B | 12 B | 12 B | 12 B |
| ZINC | P | 389 | 90 | 358 | 97 | 37 | 67 | 24 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | WELL P&W 2 | WELL P&W 2 |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | WELL |
| SAMPLE NUMBER | | IN513256B | INCCV1145 | INCCV1270 | INCCV1341 | INCCB1015 | IN401013I | IN401024I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | | | 2 | 2 |
| ALUMINUM | P | 50 U | 100000 | 1120 | | 50 U | 252 | 208 |
| ANTIMONY | P | 50 U | | 996 | | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | | 1010 | | 60 U | 60 U | 60 U |
| BARIUM | P | 1 U | | 989 | | 1 U | 51 B | 45 B |
| BERYLLIUM | P | 0.3 U | | 261 | | 0.3 U | 2.4 B | 2.4 B |
| CADMIUM | P | 1 U | | 253 | | 1 U | 1 U | 1 U |
| CALCIUM | P | 150 U | | 26800 | 5230 | 150 U | 50000 | 44800 |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013I

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | WELL P&W 2 | WELL P&W 2 |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | WELL |
| SAMPLE NUMBER | | IN513256B | INCCV1145 | INCCV1270 | INCCV1341 | INCCB1015 | IN401013I | IN401024I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | | | 2 | 2 |
| CHROMIUM | P | 5 U | | 257 | | 5 U | 5.5 B | 5.6 B |
| COBALT | P | 2 U | | 246 | | 2 U | 2 U | 2 U |
| COPPER | P | 10 U | | 253 | | 10 U | 10 U | 10 U |
| IRON | P | 20 U | 107000 | 974 | | 20 U | 979 | 221 |
| LEAD | P | 30 U | | 2350 | | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 10 U | 50600 | | 4710 B | 10 U | 18800 | 16600 |
| MANGANESE | P | 5 U | 50800 | 253 | | 5 U | 6.3 B | 8 B |
| NICKEL | P | 6 U | | 251 | | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | | 1010 | | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | | 239 | | 6 U | 6 U | 6 U |
| SODIUM | P | 170 U | 99700 | | 4930 B | 170 U | 7850 | 6900 |
| VANADIUM | P | 4 U | | 248 | | 4 U | 12 B | 12 B |
| ZINC | P | 8 U | | 1460 | | 8 U | 129 | 108 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL P&W 2 | SERIAL | DUPLICATE | MATRIX | MS % | TAN/WRRTF | OMRE |
| TYPE OF LOCATION | | WELL | DILUTION | | SPIKE | RECOVERY | BURN PITS | LEACH POND |
| SAMPLE NUMBER | | IN401035B | IN401035B | IN401035B | IN401035B | IN401035B | IN814136H | IN806216F |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | 7 | 5 |
| ALUMINUM | P | 50 U | 250 U | 50 U | 2050 | 103 | 858 | 431 |
| ANTIMONY | P | 50 U | 250 U | 50 U | 510 | 102 | 50 U | 50 U |
| ARSENIC | P | 60 U | 300 U | 60 U | 519 | 104 | 60 U | 60 U |
| BARIUM | P | 1 U | 5 U | 1 U | 2080 | 104 | 74 B | 14 B |
| BERYLLIUM | P | 0.3 U | 1.5 U | 0.3 U | 54 | 108 | 1.5 B | 0.3 U |
| CADMIUM | P | 1 U | 5 U | 1 U | 50 | 100 | 1 U | 1.1 B |
| CALCIUM | P | 150 U | 750 U | 150 U | 150 U | | 27700 | 1490 B |
| CHROMIUM | P | 5 U | 25 U | 5 U | 216 | 108 | 9.5 B | 6.6 B |
| COBALT | P | 2 U | 10 U | 2 U | 510 | 102 | 2 U | 2 U |
| COPPER | P | 10 U | 50 U | 10 U | 260 | 104 | 255 | 25 |
| IRON | P | 20 U | 100 U | 20 U | 1090 | 109 | 1140 | 808 |
| LEAD | P | 30 U | 150 U | 30 U | 526 | 105 | 30 U | 30 U |
| MAGNESIUM | P | 10 U | 50 U | 10 U | 10 U | | 7750 | 251 B |
| MANGANESE | P | 5 U | 25 U | 5 U | 529 | 106 | 33 | 17 |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013I

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL P&W 2 | SERIAL | DUPLICATE | MATRIX | MS % | TAN/WRRTF | OMRE |
| TYPE OF LOCATION | | WELL | DILUTION | | SPIKE | RECOVERY | BURN PITS | LEACH POND |
| SAMPLE NUMBER | | IN401035B | IN401035B | IN401035B | IN401035B | IN401035B | IN814136H | IN806216F |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | 7 | 5 |
| NICKEL | P | 6 U | 30 U | 6 U | 534 | 107 | 6 U | 12 B |
| SELENIUM | P | 50 U | 250 U | 50 U | 530 | 106 | 50 U | 50 U |
| SILVER | P | 6 U | 30 U | 6 U | 51 | 102 | 6 U | 6 U |
| SODIUM | P | 170 U | 850 U | 170 U | 170 U | | 7140 | 516 B |
| VANADIUM | P | 4 U | 20 U | 4 U | 490 | 98 | 9.5 B | 4 U |
| ZINC | P | 19 B | 40 U | 8 U | 507 | 98 | 471 | 69 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL |
| SAMPLE NUMBER | | IN807104F | INCCV1146 | INCCV1271 | INCCV1342 | INCCB1016 | INLRA2162 | INICS1747 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | | | | | | |
| ALUMINUM | P | 1180 | 99400 | 1100 | | 50 U | | 506000 |
| ANTIMONY | P | 50 U | | 1000 | | 50 U | 123 | 50 U |
| ARSENIC | P | 60 U | | 1010 | | 60 U | 493 | 60 U |
| BARIUM | P | 25 B | | 983 | | 1 U | | 10 B |
| BERYLLIUM | P | 0.3 U | | 259 | | 0.3 U | 9.8 | 4.3 B |
| CADMIUM | P | 1 U | | 251 | | 1 U | 10 | 2.3 B |
| CALCIUM | P | 3880 B | | 26500 | 5150 | 150 U | | 500000 |
| CHROMIUM | P | 8.4 B | | 254 | | 5 U | 21 | 18 |
| COBALT | P | 2 U | | 244 | | 2 U | 99 | 4.8 B |
| COPPER | P | 83 | | 250 | | 10 U | 53 | 10 B |
| IRON | P | 1460 | 106000 | 963 | | 20 U | | 222000 |
| LEAD | P | 30 U | | 2310 | | 30 U | 482 | 30 U |
| MAGNESIUM | P | 707 B | 49200 | | 4600 B | 10 U | | 514000 |
| MANGANESE | P | 29 | 51400 | 251 | | 5 U | 31 | 8.8 B |
| NICKEL | P | 8.7 B | | 250 | | 6 U | 84 | 11 B |
| SELENIUM | P | 50 U | | 1010 | | 50 U | 506 | 50 U |
| SILVER | P | 6 U | | 232 | | 6 U | 18 | 7.5 B |
| SODIUM | P | 4360 B | 97200 | | 4780 B | 170 U | | 987 B |
| VANADIUM | P | 4 U | | 243 | | 4 U | 93 | 4 U |
| ZINC | P | 240 | | 1440 | | 8 U | 43 | 8 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.7 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN4010131

| | METHOD | |
|---|---|---|
| AREA | | QA |
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1765 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ALUMINUM | P | 508000 |
| ANTIMONY | P | 50 U |
| ARSENIC | P | 60 U |
| BARIUM | P | 443 |
| BERYLLIUM | P | 449 |
| CADMIUM | P | 846 |
| CALCIUM | P | 502000 |
| CHROMIUM | P | 434 |
| COBALT | P | 404 |
| COPPER | P | 479 |
| IRON | P | 222000 |
| LEAD | P | 3910 |
| MAGNESIUM | P | 515000 |
| MANGANESE | P | 446 |
| NICKEL | P | 832 |
| SELENIUM | P | 50 U |
| SILVER | P | 852 |
| SODIUM | P | 891 B |
| VANADIUM | P | 397 |
| ZINC | P | 860 |
| % SOLIDS | | |

TABLE D.2.8 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1893 | INLCS2127 | INRAN2290 | INICV1857 | INICB1667 | INPB02222 | INPB02223 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 25100 | 8000 | 1000 B | 100 U | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | WELL 116 | WELL 98 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | SAMPLE | WELL | WELL | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | INLCS2091 | IN419013I | IN405017I | IN510253B | IN513018E | IN513029E | INCCV1147 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 2 | 2 | 3 | 3 | 3 | |
| POTASSIUM | FE | 25000 | 4300 B | 2500 B | 400 B | 3300 B | 3300 B | 1000 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | WELL P&W 2 | WELL P&W 2 | WELL P&W 2 |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | WELL | WELL | WELL |
| SAMPLE NUMBER | | INCCB1017 | IN513041E | IN513052E | IN513256B | IN401013I | IN401024I | IN401035B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 2 | 2 | 2 |
| POTASSIUM | FE | 100 U | 3600 B | 3400 B | 100 U | 1300 B | 1200 B | 100 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.8 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401013K

| AREA | METHOD | QA | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | TAN/WRRTF BURN PITS | OMRE LEACH POND | OMRE LEACH POND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | USGS-113 WELL |
| TYPE OF LOCATION | | | IN814136H | IN806216F | IN807104F | INCCV1148 | INCCB1018 | IN417011I |
| SAMPLE NUMBER | | IN401035B | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | WATER | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | UG/L | 7 | 5 | 5 | | | 2 |
| ENV PROBLEM NO | | 2 | | | | | | |
| POTASSIUM | FE | 100 U | 1900 B | 600 B | 480 B | 1000 B | 100 U | 5100 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | |
| TYPE OF LOCATION | | | | | | INCCV1149 | INCCB1019 | |
| SAMPLE NUMBER | | IN510015B | IN510026B | IN510048B | IN510059B | WATER | WATER | |
| MATRIX | | WATER | WATER | WATER | WATER | UG/L | UG/L | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | | | |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| POTASSIUM | FE | 6700 | 5600 | 11000 | 5500 | 1000 B | 100 U | |
| % SOLIDS | | | | | | | | |

TABLE D.2.9 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401035A

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | CAL TRUE | CAL FOUND |
| SAMPLE NUMBER | | IN2AA1003 | IN2AA2003 | IN03A0003 | IN2B10001 | IN2B10001 | IN2AA3003 | IN2AA4003 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ANTIMONY | F | 102 | 108 | 0.88 U | 60 | 60 | 102 | 109 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | WELL P&W 2 | DUPLICATE | WELL P&W 2 | WELL P&W 2 |
| TYPE OF LOCATION | | CAL BLANK | SAMPLE TRUE | SAMPLE | WELL | | WELL | WELL |
| SAMPLE NUMBER | | IN03A1003 | IN0710003 | IN0710003 | IN401013H | IN401013H | IN401024H | IN401035A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 2 | 2 | 2 | 2 |
| ANTIMONY | F | 0.88 U | 102 | 120 | 1 B | 1 B | 0.88 U | 0.88 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | USGS-19 | USGS-19 | USGS-27 | USGS-27 | MATRIX |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | WELL | WELL | WELL | WELL | SPIKE |
| SAMPLE NUMBER | | IN2AA5003 | IN03A2003 | IN402014H | IN402025H | IN403015H | IN403026H | IN403026H |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 | 2 |
| ANTIMONY | F | 105 | 1.1 B | 1 B | 0.88 U | 0.88 U | 0.88 U | 117 |
| % SOLIDS | | | | | | | | |

TABLE D.2.9 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN401035A

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | | | | | | | |
| TYPE OF LOCATION | | MS % RECOVERY | CONTINUING CAL FOUND | CONTINUING CAL BLANK | INITIAL CAL FOUND A | INITIAL CAL BLANK 2 | CRDL STAND TRUE | CRDL STAND FINAL |
| SAMPLE NUMBER | | IN403026H | IN2AB4003 | IN03A3003 | IN2AC2002 | IN03B0003 | IN2B20001 | IN2B20001 |
| MATRIX | | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | % | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | | |
| ANTIMONY | F | 117 | 96 | 0.88 U | 103 | 0.88 U | 60 | 60 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | | | | | | | |
| TYPE OF LOCATION | | WELL CFA-1 | WELL CFA-1 | WELL SL-1 | CONTINUING CAL FOUND | CONTINUING CAL BLANK | WELL SL-1 | ANL W-1 |
| SAMPLE NUMBER | | WELL | WELL | WELL | | | WELL | WELL |
| MATRIX | | IN414018H | IN414029H | IN415019H | IN2AC4002 | IN03B4003 | IN415020H | IN404016H |
| UNITS | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| ENV PROBLEM NO | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ANTIMONY | F | 2 | 2 | 2 | | | 2 | 2 |
| % SOLIDS | | 0.88 U | 0.88 U | 0.88 U | 93 | 0.88 U | 0.88 U | 0.88 U |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | | | | |
| TYPE OF LOCATION | | PREP BLANK | PREP BLANK 2 | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| SAMPLE NUMBER | | IN03A0003 | IN03B0003 | IN2AC5002 | IN03B5003 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| ANTIMONY | F | 0.88 U | 0.88 U | 95 | 0.88 U |
| % SOLIDS | | | | | |

TABLE D.2.10 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0004 | IN2AA1004 | IN2AA2004 | IN03A0004 | IN03B0004 | IN03A1004 | IN2AA3004 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.07 B | 0.1 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | USGS-19 WELL | USGS-19 WELL | USGS-27 WELL | USGS-27 WELL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4004 | IN0710004 | IN0710004 | IN402014H | IN402025H | IN403015H | IN403026H |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 2 | 2 | 2 | 2 |
| MERCURY | CV | 10 | 10 | 9.6 | 0.04 B | 0.03 B | 0.22 | 0.21 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | USGS-82 WELL | DUPLICATE | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2004 | IN2AA5004 | IN420016H | IN420016H | IN420016H | IN420016H | IN03A3004 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | % | UG/L |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 | |
| MERCURY | CV | 0.01 U | 9.3 | 0.04 B | 0.04 B | 1 | 96 | 0.01 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.10 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014H

| | METHOD | QA |
|---|---|---|
| AREA | | |
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND |
| SAMPLE NUMBER | | IN2AB4004 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| MERCURY | CV | 10 |
| % SOLIDS | | |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1820 | INICS1838 | INICV1894 | INICV1946 | INICV1982 | INLCS2128 | INLRA2199 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 1040 | |
| ANTIMONY | P | | | | 1000 | | 1000 | 120 |
| ARSENIC | P | | | | 1000 | | 1000 | 500 |
| BARIUM | P | | 483 | | 1000 | | 1000 | |
| BERYLLIUM | P | | 474 | | 250 | | 250 | 10 |
| CADMIUM | P | | 909 | | 246 | | 246 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 25100 | |
| CHROMIUM | P | | 513 | | 251 | | 251 | 20 |
| COBALT | P | | 534 | | 249 | | 249 | 100 |
| COPPER | P | | 534 | | 260 | | 260 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 1040 | |
| LEAD | P | | 4850 | | 2480 | | 2480 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 12800 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 252 | 30 |
| NICKEL | P | | 916 | | 242 | | 242 | 80 |
| SELENIUM | P | | | | 1000 | | 1000 | 500 |
| SILVER | P | | 934 | | 242 | | 242 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 25700 | |
| VANADIUM | P | | 475 | | 252 | | 252 | 100 |
| ZINC | P | | 973 | | 1460 | | 1460 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2291 | INRAN2325 | INICV1858 | INICV1928 | INICV1964 | INICB1668 | INLRA2181 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 100000 | 960 | | 50 U | |
| ANTIMONY | P | 10000 | | | 940 | | 50 U | 117 |
| ARSENIC | P | 20000 | | | 1040 | | 60 U | 519 |
| BARIUM | P | 5000 | | | 1000 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 251 | | 0.3 U | 9.8 |
| CADMIUM | P | 5000 | | | 253 | | 1 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 26300 | 5320 | 150 U | |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2291 | INRAN2325 | INICV1858 | INICV1928 | INICV1964 | INICB1668 | INLRA2181 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 256 | | 5 U | 20 |
| COBALT | P | 10000 | | | 247 | | 2 U | 100 |
| COPPER | P | 10000 | | | 260 | | 10 U | 53 |
| IRON | P | 12000 | 1000000 | 106000 | 959 | | 20 U | |
| LEAD | P | 20000 | | | 2390 | | 30 U | 488 |
| MAGNESIUM | P | 12000 | 500000 | 49600 | | 4840 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 49200 | 247 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 237 | | 6 U | 81 |
| SELENIUM | P | 10000 | | | 1020 | | 50 U | 500 |
| SILVER | P | 10000 | | | 248 | | 6 U | 33 |
| SODIUM | P | 25000 | 900000 | 102000 | | 5470 | 170 U | |
| VANADIUM | P | 10000 | | | 257 | | 4 U | 99 |
| ZINC | P | 6000 | | | 1480 | | 8 U | 44 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | USGS-37 WELL | USGS-19 WELL |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | | | | | |
| SAMPLE NUMBER | | INICS1784 | INICS1802 | INPB02224 | INPB02225 | INLCS2092 | IN418012I | IN402014I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| ALUMINUM | P | 512000 | 513000 | 50 U | 50 U | 960 | 249 | 209 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 978 | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1050 | 60 U | 60 U |
| BARIUM | P | 13 B | 452 | 1 U | 1 U | 997 | 143 B | 75 B |
| BERYLLIUM | P | 4.6 B | 439 | 0.32 B | 0.3 U | 251 | 3 B | 2.7 B |
| CADMIUM | P | 7 | 835 | 1 U | 1 U | 253 | 1 U | 1.1 B |
| CALCIUM | P | 496000 | 500000 | 150 U | 150 U | 26500 | 64900 | 45600 |
| CHROMIUM | P | 18 | 435 | 5 U | 5 U | 259 | 11 | 7.9 B |
| COBALT | P | 7.7 B | 407 | 2 U | 2 U | 248 | 2 U | 2.3 B |
| COPPER | P | 10 U | 501 | 10 U | 10 U | 263 | 10 U | 10 U |
| IRON | P | 223000 | 224000 | 20 U | 20 U | 965 | 94 B | 80 B |
| LEAD | P | 30 U | 4080 | 30 U | 30 U | 2410 | 30 U | 30 U |
| MAGNESIUM | P | 518000 | 517000 | 10 U | 10 U | 13500 | 16800 | 17600 |
| MANGANESE | P | 8.8 B | 437 | 5 U | 5 U | 244 | 5 U | 5 U |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014I DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | USGS-37 | USGS-19 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1784 | INICS1802 | INPB02224 | INPB02225 | INLCS2092 | IN418012I | IN402014I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| NICKEL | P | 12 B | 776 | 6 U | 6 U | 234 | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 1820 | 50 U | 50 U |
| SILVER | P | 7.9 B | 927 | 6 U | 6 U | 252 | 6 U | 6 U |
| SODIUM | P | 1250 B | 1200 B | 170 U | 240 B | 23800 | 32600 | 14500 |
| VANADIUM | P | 4 U | 424 | 4 U | 4 U | 262 | 14 B | 13 B |
| ZINC | P | 8 U | 881 | 23 | 19 B | 1490 | 265 | 50 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-19 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | WELL | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN402025I | IN501014E | INCCV1150 | INCCV1272 | INCCV1343 | INCCB1020 | IN501025E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 3 | | | | | 3 |
| ALUMINUM | P | 191 B | 115 B | 101000 | 957 | | 50 U | 124 B |
| ANTIMONY | P | 50 U | 50 U | | 925 | | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | | 1040 | | 60 U | 60 U |
| BARIUM | P | 76 B | 27 B | | 1000 | | 1 U | 27 B |
| BERYLLIUM | P | 2.6 B | 1.3 B | | 253 | | 0.3 U | 1 B |
| CADMIUM | P | 1 U | 1 U | | 254 | | 1 U | 1.4 B |
| CALCIUM | P | 46100 | 17700 | | 26800 | 5370 | 150 U | 17700 |
| CHROMIUM | P | 7.7 B | 28 | | 260 | | 5 U | 29 |
| COBALT | P | 2 U | 2 U | | 250 | | 2 U | 2 U |
| COPPER | P | 10 U | 10 U | | 263 | | 10 U | 10 U |
| IRON | P | 84 B | 55 B | 108000 | 972 | | 20 U | 67 B |
| LEAD | P | 30 U | 30 U | | 2440 | | 30 U | 30 U |
| MAGNESIUM | P | 17800 | 6680 | 49800 | | 5020 | 10 U | 6740 |
| MANGANESE | P | 5 U | 56 | 47500 | 247 | | 5 U | 61 |
| NICKEL | P | 6 U | 11 B | | 232 | | 6 U | 13 B |
| SELENIUM | P | 50 U | 50 U | | 1010 | | 50 U | 50 U |
| SILVER | P | 6 U | 6 U | | 256 | | 6 U | 6 U |
| SODIUM | P | 14800 | 4780 B | 105000 | | 5470 | 170 U | 4860 B |
| VANADIUM | P | 13 B | 11 B | | 265 | | 4 U | 11 B |
| ZINC | P | 37 | 27 | | 1490 | | 8 U | 50 |
| % SOLIDS | | | | | | | | |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014I

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TAN/WRRTF | USGS-27 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | BURN PITS | WELL |
| SAMPLE NUMBER | | IN501036E | IN501047E | IN501058E | IN501069E | IN501252B | IN815217G | IN403015I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 7 | 2 |
| ALUMINUM | P | 224 | 131 B | 610 | 115 B | 281 | 50 U | 224 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U |
| BARIUM | P | 31 B | 28 B | 52 B | 27 B | 19 B | 1 U | 76 B |
| BERYLLIUM | P | 1.5 B | 1.2 B | 1.7 B | 1.3 B | 0.4 B | 0.46 B | 2.8 B |
| CADMIUM | P | 1.5 B | 1.5 B | 2.3 B | 1 U | 1 U | 1 U | 1.1 B |
| CALCIUM | P | 18500 | 17900 | 18000 | 17600 | 390 B | 150 U | 52600 |
| CHROMIUM | P | 74 | 28 | 375 | 26 | 58 | 5 U | 9.2 B |
| COBALT | P | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 B |
| COPPER | P | 12 B | 12 B | 16 B | 10 U | 10 U | 10 U | 24 B |
| IRON | P | 222 | 73 B | 931 | 54 B | 215 | 20 U | 185 |
| LEAD | P | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 7110 | 6800 | 7440 | 6690 | 112 B | 10 U | 19300 |
| MANGANESE | P | 114 | 58 | 428 | 57 | 11 B | 5 U | 11 B |
| NICKEL | P | 13 B | 11 B | 12 B | 8.9 B | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | 6 U | 7.5 B | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 5030 | 4930 B | 4630 B | 4780 B | 308 B | 292 B | 31500 |
| VANADIUM | P | 12 B | 11 B | 15 B | 11 B | 4 U | 4 U | 16 B |
| ZINC | P | 70 | 35 | 284 | 39 | 15 B | 19 B | 39 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-27 | USGS-82 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TAN/WRRTF |
| TYPE OF LOCATION | | WELL | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | BURN PITS |
| SAMPLE NUMBER | | IN403026I | IN420016I | INCCV1151 | INCCV1273 | INCCV1344 | INCCB1021 | IN817173G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | | | | | 7 |
| ALUMINUM | P | 208 | 167 B | 101000 | 966 | | 50 U | 801 |
| ANTIMONY | P | 50 U | 50 U | | 937 | | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | | 1050 | | 60 U | 60 U |
| BARIUM | P | 73 B | 61 B | | 1010 | | 1 U | 85 B |
| BERYLLIUM | P | 2.8 B | 2.5 B | | 256 | | 0.3 U | 3 B |
| CADMIUM | P | 1 U | 1 U | | 255 | | 1 U | 2.1 B |
| CALCIUM | P | 50600 | 39100 | | 26900 | 5440 | 150 U | 72400 |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014I DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-27 | USGS-82 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TAN/WRRTF |
| TYPE OF LOCATION | | WELL | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | BURN PITS |
| SAMPLE NUMBER | | IN403026I | IN420016I | INCCV1151 | INCCV1273 | INCCV1344 | INCCB1021 | IN817173G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | | | | | 7 |
| CHROMIUM | P | 8.8 B | 10 | | 262 | | 5 U | 21 |
| COBALT | P | 2 U | 2 U | | 253 | | 2 U | 2 U |
| COPPER | P | 18 B | 10 U | | 263 | | 10 U | 107 |
| IRON | P | 178 | 296 | 108000 | 978 | | 20 U | 736 |
| LEAD | P | 30 U | 30 U | | 2450 | | 30 U | 30 U |
| MAGNESIUM | P | 18200 | 15600 | 49900 | | 5080 | 10 U | 24200 |
| MANGANESE | P | 8.8 B | 5 U | 47300 | 249 | | 5 U | 32 |
| NICKEL | P | 6 U | 6 U | | 233 | | 6 U | 8.8 B |
| SELENIUM | P | 50 U | 50 U | | 1000 | | 50 U | 50 U |
| SILVER | P | 6 U | 6 U | | 260 | | 6 U | 6 U |
| SODIUM | P | 30300 | 14300 | 106000 | | 5530 | 170 U | 23300 |
| VANADIUM | P | 16 B | 19 B | | 269 | | 4 U | 16 B |
| ZINC | P | 38 | 184 | | 1500 | | 8 U | 988 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SERIAL | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % | TAN/WRRTF |
| TYPE OF LOCATION | | DILUTION | DIFFERENCE | | RPD | SPIKE | RECOVERY | BURN PITS |
| SAMPLE NUMBER | | IN817173G | IN817173G | IN817173G | IN817173G | IN817173G | IN817173G | IN816218G |
| MATRIX | | WATER | | WATER | | WATER | | WATER |
| UNITS | | UG/L | % | UG/L | % | UG/L | % | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ALUMINUM | P | 250 U | | 825 | 24 | 2560 | 88 | 50 U |
| ANTIMONY | P | 250 U | | 50 U | | 448 | 90 | 50 U |
| ARSENIC | P | 300 U | | 60 U | | 537 | 107 | 60 U |
| BARIUM | P | 14 B | | 85 B | | 2060 | 99 | 1.4 B |
| BERYLLIUM | P | 4.1 B | | 2.9 B | | 54 | 102 | 0.3 U |
| CADMIUM | P | 5 U | | 1.8 B | | 49 | 94 | 1 U |
| CALCIUM | P | 68100 | 5.9 | 68800 | 5.1 | 69200 | | 150 U |
| CHROMIUM | P | 27 | | 20 | 1 | 221 | 100 | 5 U |
| COBALT | P | 10 U | | 2 U | | 478 | 96 | 2 U |
| COPPER | P | 112 | | 102 | 5 | 344 | 95 | 10 U |
| IRON | P | 667 | | 744 | 1.1 | 1760 | 102 | 24 B |
| LEAD | P | 150 U | | 30 U | | 537 | 107 | 30 U |
| MAGNESIUM | P | 22900 | 5.4 | 23300 | 900 | 23400 | | 17 B |
| MANGANESE | P | 36 | | 31 | 1 | 518 | 97 | 5 U |

TABLE D.2.11 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN4020141 DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SERIAL DILUTION | SD % DIFFERENCE | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN817173G | IN817173G | IN817173G | IN817173G | IN817173G | IN817173G | IN816218G |
| MATRIX | | WATER | | WATER | | WATER | | WATER |
| UNITS | | UG/L | % | UG/L | % | UG/L | % | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| NICKEL | P | 30 U | | 9.2 B | | 476 | 93 | 6 U |
| SELENIUM | P | 250 U | | 50 U | | 498 | 100 | 50 U |
| SILVER | P | 30 U | | 6 U | | 54 | 108 | 6 U |
| SODIUM | P | 25500 | 9.4 | 21900 | 1400 | 21000 | | 214 B |
| VANADIUM | P | 29 B | | 16 B | | 525 | 102 | 4 U |
| ZINC | P | 966 | 2.2 | 958 | 3.1 | 1440 | 90 | 15 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CRDL STAND FINAL | INTER CHK SOL. A FINAL | INTER CHK SOL. AB FINA |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INCCV1152 | INCCV1274 | INCCV1345 | INCCB1022 | INLRA2163 | INICS1748 | INICS1766 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 102000 | 956 | | 50 U | | 521000 | 520000 |
| ANTIMONY | P | | 927 | | 50 U | 119 | 50 U | 50 U |
| ARSENIC | P | | 1040 | | 60 U | 527 | 60 U | 60 U |
| BARIUM | P | | 1010 | | 1 U | | 13 B | 458 |
| BERYLLIUM | P | | 256 | | 0.3 U | 10 | 4.6 B | 447 |
| CADMIUM | P | | 255 | | 1 U | 10 | 7.4 | 850 |
| CALCIUM | P | | 26900 | 5410 | 150 U | | 509000 | 511000 |
| CHROMIUM | P | | 262 | | 5 U | 21 | 18 | 444 |
| COBALT | P | | 253 | | 2 U | 104 | 7.4 B | 417 |
| COPPER | P | | 262 | | 10 U | 57 | 10 U | 509 |
| IRON | P | 108000 | 980 | | 20 U | | 227000 | 227000 |
| LEAD | P | | 2460 | | 30 U | 511 | 30 U | 4210 |
| MAGNESIUM | P | 50000 | | 5070 | 10 U | | 524000 | 522000 |
| MANGANESE | P | 47400 | 249 | | 5 U | 32 | 9 B | 444 |
| NICKEL | P | | 232 | | 6 U | 80 | 12 B | 767 |
| SELENIUM | P | | 1010 | | 50 U | 504 | 50 U | 50 U |
| SILVER | P | | 257 | | 6 U | 38 | 6.2 B | 961 |
| SODIUM | P | 106000 | | 5530 | 210 B | | 1280 B | 1260 B |
| VANADIUM | P | | 268 | | 4 U | 105 | 4 U | 441 |
| ZINC | P | | 1490 | | 8 U | 50 | 8 U | 892 |
| % SOLIDS | | | | | | | | |

TABLE D.2.12 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN402014K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1895 | INLCS2129 | INRAN2292 | INICV1859 | INICB1670 | INPB02226 | INPB02227 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 25100 | 8000 | 1000 B | 100 U | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | USGS-37 | USGS-19 | USGS-19 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SAMPLE | WELL | WELL | WELL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INLCS2093 | IN418012I | IN402014I | IN402025I | IN501014E | IN501025E | IN501036E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 2 | 2 | 2 | 3 | 3 | 3 |
| POTASSIUM | FE | 28000 | 3700 B | 1500 B | 1600 B | 1000 B | 1000 B | 1200 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TAN/WRRTF |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | BURN PITS |
| SAMPLE NUMBER | | IN501047E | IN501058E | INCCV1153 | INCCB1023 | IN501069E | IN501252B | IN815217G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | 3 | 3 | 7 |
| POTASSIUM | FE | 1100 B | 1100 B | 1000 B | 100 U | 950 B | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-82 | TAN/WRRTF | USGS-27 | CONTINUING | CONTINUING | USGS-27 | TAN/WRRTF |
| TYPE OF LOCATION | | WELL | BURN PITS | WELL | CAL FOUND | CAL BLANK | WELL | BURN PITS |
| SAMPLE NUMBER | | IN420016I | IN816218G | IN403015I | INCCV1154 | INCCB1024 | IN403026I | IN817173G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 7 | 2 | | | 2 | 7 |
| POTASSIUM | FE | 4000 B | 100 U | 6400 | 1000 B | 100 U | 3400 B | 7500 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | CONTINUING | DUPLICATE | CONTINUING |
| TYPE OF LOCATION | | | CAL FOUND | RPD | CAL BLANK |
| SAMPLE NUMBER | | IN817173G | INCCV1155 | IN817173G | INCCB1025 |
| MATRIX | | WATER | WATER | | WATER |
| UNITS | | UG/L | UG/L | % | UG/L |
| ENV PROBLEM NO | | 7 | | 7 | |
| POTASSIUM | FE | 7200 | 1000 B | 300 | 100 U |
| % SOLIDS | | | | | |

TABLE D.2.13 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0005 | IN2AA1005 | IN2AA2005 | IN03A0005 | IN03B0005 | IN03A1005 | IN2AA3005 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 11 | 0.06 B | 0.05 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | WELL CFA-1 WELL | WELL CFA-1 WELL | DUPLICATE | WELL SL-1 WELL |
| TYPE OF LOCATION | | IN2AA4005 | IN0710005 | IN0710005 | IN414018H | IN414029H | IN414029H | IN415019H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 9.9 | 10 | 9.9 | 0.02 B | 0.03 B | 0.03 B | 0.02 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | WELL SL-1 WELL | ANL W-1 WELL | ANL W-1 WELL | WELL ANP-8 WELL | MATRIX SPIKE |
| TYPE OF LOCATION | | IN03A2005 | IN2AA5005 | IN415020H | IN404016H | IN404027H | IN406018H | IN406018H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | 2 | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 9.8 | 0.03 B | 0.02 B | 0.04 B | 0.02 B | 0.95 |
| % SOLIDS | | | | | | | | |

TABLE D.2.13 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016H

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MS % RECOVERY | CONTINUING CAL BLANK | CONTINUING CAL FOUND | WELL ANP-8 WELL | WELL FET-1 WELL | WELL FET-1 WELL | WELL ANP-1 WELL |
| TYPE OF LOCATION | | IN406018H | IN03A3005 | IN2AB4005 | IN406029H | IN407019H | IN407020H | IN408010H |
| SAMPLE NUMBER | | | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | % | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 2 | | | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 91 | 0.02 U | 9.9 | 0.02 B | 0.02 B | 0.02 B | 0.02 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-1 WELL | CONTINUING CAL BLANK | CONTINUING CAL FOUND | FIRE STA. WELL | FIRE STA. WELL | WELL TRA-1 WELL | WELL TRA-1 WELL |
| TYPE OF LOCATION | | IN408021H | IN03B4005 | IN2AB5005 | IN412016H | IN412027A | IN423019H | IN423020H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 2 | | | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 B | 0.02 U | 10 | 0.02 B | 0.02 B | 0.03 B | 0.02 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | | | | | |
| TYPE OF LOCATION | | IN03B5005 | IN2AC4003 | | | | | |
| SAMPLE NUMBER | | WATER | WATER | | | | | |
| MATRIX | | UG/L | UG/L | | | | | |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | | | | | |
| % SOLIDS | | | | | | | | |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016I DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1821 | INICS1839 | INICV1896 | INICV1947 | INICV1983 | INLCS2130 | INLRA2200 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 990 | | 970 | |
| ANTIMONY | P | | | | 1000 | | 990 | 120 |
| ARSENIC | P | | | | 1000 | | 1000 | 500 |
| BARIUM | P | | 483 | | 990 | | 970 | |
| BERYLLIUM | P | | 474 | | 240 | | 960 | 10 |
| CADMIUM | P | | 909 | | 244 | | 940 | 10 |
| CALCIUM | P | 476000 | 470000 | | 24900 | 5000 | 1000 B | |
| CHROMIUM | P | | 513 | | 253 | | 1030 | 20 |
| COBALT | P | | 478 | | 237 | | 1000 | 100 |
| COPPER | P | | 534 | | 271 | | 1030 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 995 | | 1020 | |
| LEAD | P | | 4850 | | 2250 | | 1010 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 1000 B | |
| MANGANESE | P | | 470 | 50000 | 256 | | 1020 | 30 |
| NICKEL | P | | 916 | | 248 | | 1020 | 80 |
| SELENIUM | P | | | | 1000 | | 990 | 500 |
| SILVER | P | | 934 | | 254 | | 990 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 860 B | |
| VANADIUM | P | | 475 | | 255 | | 1010 | 100 |
| ZINC | P | | 973 | | 1550 | | 1010 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2293 | INRAN2326 | INICV1860 | INICV1929 | INICV1965 | INICB1672 | INLRA2182 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 99500 | 1130 | | 60 U | |
| ANTIMONY | P | 10000 | | | 1080 | | 50 U | 122 |
| ARSENIC | P | 20000 | | | 1190 | | 60 U | 556 |
| BARIUM | P | 5000 | | | 992 | | 2 U | |
| BERYLLIUM | P | 1500 | | | 250 | | 0.3 U | 10 |
| CADMIUM | P | 5000 | | | 245 | | 2 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 25900 | 5000 | 200 U | |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2293 | INRAN2326 | INICV1860 | INICV1929 | INICV1965 | INICB1672 | INLRA2182 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 256 | | 6 U | 20 |
| COBALT | P | 10000 | | | 244 | | 3 U | 99 |
| COPPER | P | 10000 | | | 268 | | 10 U | 54 |
| IRON | P | 12000 | 1000000 | 102000 | 979 | | 20 U | |
| LEAD | P | 20000 | | | 2160 | | 50 U | 502 |
| MAGNESIUM | P | 12000 | 500000 | 50100 | | 4840 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 49200 | 255 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 242 | | 6 U | 82 |
| SELENIUM | P | 10000 | | | 1090 | | 60 U | 522 |
| SILVER | P | 10000 | | | 251 | | 6 U | 21 |
| SODIUM | P | 25000 | 900000 | 99900 | | 5270 | 200 U | |
| VANADIUM | P | 10000 | | | 258 | | 4 U | 99 |
| ZINC | P | 6000 | | | 1490 | | 7 U | 43 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | CFA STP | CFA STP |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | CFA STP | CFA STP |
| SAMPLE NUMBER | | INICS1785 | INICS1803 | INPB02228 | INPB02229 | INLCS2094 | IN523010E | IN523021E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 4 | 4 |
| ALUMINUM | P | 490000 | 487000 | 60 U | 60 U | 1160 | 475 | 792 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 1080 | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1150 | 60 UN | 60 UN |
| BARIUM | P | 10 B | 446 | 2 U | 2 U | 1030 | 71 B | 161 B |
| BERYLLIUM | P | 4.5 B | 446 | 0.3 U | 0.3 U | 968 | 3.2 B | 3.6 B |
| CADMIUM | P | 3.2 B | 823 | 2 U | 2 U | 891 | 2 U | 2 U |
| CALCIUM | P | 478000 | 476000 | 200 U | 200 U | 1080 B | 55000 | 61100 |
| CHROMIUM | P | 23 | 439 | 6 U | 6 U | 980 | 19 | 26 |
| COBALT | P | 26 B | 428 | 3 U | 3 U | 964 | 3 U | 3 U |
| COPPER | P | 20 B | 494 | 10 U | 10 U | 985 | 20 B | 47 |
| IRON | P | 186000 | 184000 | 20 U | 24 B | 999 | 481 | 3480 |
| LEAD | P | 50 U | 4130 | 50 U | 50 U | 990 | 50 U | 50 U |
| MAGNESIUM | P | 486000 | 483000 | 10 U | 10 U | 1010 B | 18100 | 19000 |
| MANGANESE | P | 45 | 473 | 5 U | 5 U | 993 | 19 | 77 |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN4040161 DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | CFA STP | CFA STP |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | CFA STP | CFA STP |
| SAMPLE NUMBER | | INICS1785 | INICS1803 | INPB02228 | INPB02229 | INLCS2094 | IN523010E | IN523021E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 4 | 4 |
| NICKEL | P | 22 B | 805 | 6 U | 6 U | 988 | 6 U | 9.9 B |
| SELENIUM | P | 60 U | 60 U | 60 U | 60 U | 1070 | 60 U | 60 U |
| SILVER | P | 6 U | 904 | 6 U | 6 U | 986 | 6 U | 6 U |
| SODIUM | P | 1330 B | 1290 B | 200 U | 200 U | 988 B | 46200 | 72300 |
| VANADIUM | P | 4 U | 420 | 4 U | 4 U | 965 | 16 B | 16 B |
| ZINC | P | 7 U | 886 | 7 U | 7 U | 981 | 110 | 158 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CFA STP | CFA STP | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CFA STP |
| TYPE OF LOCATION | | CFA STP | CFA STP | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | CFA STP |
| SAMPLE NUMBER | | IN523032E | IN523134C | INCCV1156 | INCCV1275 | INCCV1346 | INCCB1026 | IN523145B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 4 | 4 | | | | | 4 |
| ALUMINUM | P | 1580 | 60 U | 97900 | 1100 | | 60 U | 60 U |
| ANTIMONY | P | 50 U | 50 U | | 1070 | | 50 U | 50 U |
| ARSENIC | P | 60 UN | 60 UN | | 1120 | | 60 U | 60 UN |
| BARIUM | P | 216 | 2 U | | 960 | | 2 U | 2 U |
| BERYLLIUM | P | 3.5 B | 0.58 B | | 242 | | 0.3 U | 0.52 B |
| CADMIUM | P | 2 B | 2 U | | 238 | | 2 U | 2 U |
| CALCIUM | P | 66500 | 200 U | | 25100 | 5010 | 200 U | 200 U |
| CHROMIUM | P | 45 | 6 U | | 246 | | 6 U | 6 U |
| COBALT | P | 3 U | 3 U | | 236 | | 3 U | 3 U |
| COPPER | P | 72 | 10 U | | 258 | | 10 U | 10 U |
| IRON | P | 4640 | 20 U | 102000 | 941 | | 20 U | 20 U |
| LEAD | P | 50 U | 50 U | | 2090 | | 50 U | 50 U |
| MAGNESIUM | P | 20700 | 10 U | 49500 | | 4730 B | 10 U | 10 U |
| MANGANESE | P | 69 | 5 U | 49400 | 244 | | 5 U | 5 U |
| NICKEL | P | 9.8 B | 6 U | | 237 | | 6 U | 6 U |
| SELENIUM | P | 60 U | 60 U | | 1100 | | 60 U | 60 U |
| SILVER | P | 6 U | 6 U | | 237 | | 6 U | 6 U |
| SODIUM | P | 52100 | 200 U | 99400 | | 5040 | 200 U | 200 U |
| VANADIUM | P | 18 B | 4 U | | 246 | | 4 U | 4 U |
| ZINC | P | 189 | 13 B | | 1430 | | 7 U | 7.2 |
| % SOLIDS | | | | | | | | |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SERIAL DILUTION | DUPLICATE | MATRIX SPIKE | MS % RECOVERY | ANL W-1 WELL | ANL W-1 WELL | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN523145B | IN523145B | IN523145B | IN523145B | IN404016I | IN404027I | IN519014E |
| SAMPLE NUMBER | | WATER | WATER | WATER | | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| UNITS | | 4 | 4 | 4 | 4 | 2 | 2 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 300 U | 60 U | 1970 | 99 | 204 | 204 | 546 |
| ANTIMONY | P | 250 U | 50 U | 524 | 105 | 50 U | 50 U | 50 U |
| ARSENIC | P | 300 U | 60 U | 63 B | 63 | 60 UN | 60 UN | 60 UN |
| BARIUM | P | 10 U | 2 U | 2030 | 102 | 35 B | 35 B | 96 B |
| BERYLLIUM | P | 1.5 U | 0.5 B | 52 | 101 | 2.5 B | 2.7 B | 3.7 B |
| CADMIUM | P | 10 U | 2 U | 51 | 102 | 2 U | 2 U | 2 U |
| CALCIUM | P | 1000 U | 200 U | 200 U | | 37400 | 37400 | 118000 |
| CHROMIUM | P | 30 U | 6 U | 200 | 100 | 6 U | 6 U | 16 |
| COBALT | P | 15 U | 3 U | 486 | 97 | 3 U | 3 U | 3 U |
| COPPER | P | 50 U | 10 U | 259 | 104 | 10 U | 10 U | 10 U |
| IRON | P | 100 U | 20 U | 958 | 96 | 20 U | 20 U | 137 |
| LEAD | P | 250 U | 50 U | 504 | 101 | 50 U | 50 U | 50 U |
| MAGNESIUM | P | 50 U | 10 U | 10 U | | 13000 | 13000 | 38100 |
| MANGANESE | P | 25 U | 5 U | 504 | 101 | 5 U | 5 U | 16 |
| NICKEL | P | 30 U | 6 U | 505 | 101 | 6 U | 6 U | 6 U |
| SELENIUM | P | 300 U | 60 U | 2170 | 109 | 60 U | 60 U | 60 U |
| SILVER | P | 30 U | 6 U | 49 | 98 | 6 U | 6 U | 6 U |
| SODIUM | P | 1000 U | 200 U | 200 U | | 17500 | 17900 | 58600 |
| VANADIUM | P | 20 U | 4 U | 472 | 94 | 15 B | 14 B | 28 B |
| ZINC | P | 35 U | 7.4 | 494 | 97 | 7 U | 7.1 | 12 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | IN519025E | IN519036E | IN519047E | INCCV1157 | INCCV1276 | INCCV1347 | INCCB1027 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 3 | 3 | 3 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 3990 | 717 | 750 | 94700 | 1070 | | 60 U |
| ANTIMONY | P | 50 U | 50 U | 50 U | | 1040 | | 50 U |
| ARSENIC | P | 60 UN | 60 UN | 60 UN | | 1120 | | 60 U |
| BARIUM | P | 148 B | 102 B | 98 B | | 944 | | 2 U |
| BERYLLIUM | P | 4 B | 3.5 B | 3.7 B | | 238 | | 0.3 U |
| CADMIUM | P | 2 U | 2 U | 2 U | | 234 | | 2 U |
| CALCIUM | P | 119000 | 103000 | 117000 | | 24700 | 4950 B | 200 U |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016I DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN519025E | IN519036E | IN519047E | INCCV1157 | INCCV1276 | INCCV1347 | INCCB1027 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | | |
| CHROMIUM | P | 187 | 14 | 15 | | 242 | | 6 U |
| COBALT | P | 3 U | 3 U | 3 U | | 233 | | 3 U |
| COPPER | P | 14 B | 10 U | 10 U | | 254 | | 10 U |
| IRON | P | 3190 | 300 | 311 | 98900 | 920 | | 20 U |
| LEAD | P | 50 U | 50 U | 50 U | | 2060 | | 50 U |
| MAGNESIUM | P | 41000 | 33700 | 37500 | 48000 | | 4660 B | 10 U |
| MANGANESE | P | 138 | 29 | 20 | 48200 | 238 | | 5 U |
| NICKEL | P | 8.2 B | 6 U | 6 U | | 234 | | 6 U |
| SELENIUM | P | 60 U | 60 U | 60 U | | 1070 | | 60 U |
| SILVER | P | 7 B | 6 U | 6 U | | 231 | | 6 U |
| SODIUM | P | 68300 | 65500 | 58200 | 95200 | | 4970 B | 200 U |
| VANADIUM | P | 29 B | 20 B | 28 B | | 240 | | 4 U |
| ZINC | P | 116 | 11 B | 15 B | | 1410 | | 7 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL |
| SAMPLE NUMBER | | IN519058E | IN519069E | INCCV1158 | INCCV1277 | INCCV1348 | INCCB1028 | INLRA2164 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | | | |
| ALUMINUM | P | 830 | 678 | 92800 | 1050 | | 60 U | |
| ANTIMONY | P | 50 U | 50 U | | 1020 | | 50 U | 126 |
| ARSENIC | P | 60 UN | 60 UN | | 1110 | | 60 U | 534 |
| BARIUM | P | 103 B | 99 B | | 932 | | 2 U | |
| BERYLLIUM | P | 3.6 B | 3.4 B | | 235 | | 0.3 U | 9.4 |
| CADMIUM | P | 2 U | 2 U | | 232 | | 2 U | 9.8 |
| CALCIUM | P | 105000 | 99400 | | 24400 | 4810 B | 200 U | |
| CHROMIUM | P | 19 | 14 | | 237 | | 6 U | 19 |
| COBALT | P | 3 U | 3 U | | 230 | | 3 U | 92 |
| COPPER | P | 10 U | 10 U | | 251 | | 10 U | 52 |
| IRON | P | 400 | 270 | 97100 | 912 | | 20 U | |
| LEAD | P | 50 U | 50 U | | 2030 | | 50 U | 463 |
| MAGNESIUM | P | 34700 | 32700 | 47100 | | 4530 B | 10 U | |
| MANGANESE | P | 34 | 30 | 47400 | 237 | | 5 U | 30 |

TABLE D.2.14 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016I

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL |
| SAMPLE NUMBER | | IN519058E | IN519069E | INCCV1158 | INCCV1277 | INCCV1348 | INCCB1028 | INLRA2164 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | | | |
| NICKEL | P | 6 U | 6 U | | 230 | | 6 U | 77 |
| SELENIUM | P | 60 U | 60 U | | 1030 | | 60 U | 494 |
| SILVER | P | 6 U | 6 U | | 227 | | 6 U | 19 |
| SODIUM | P | 67400 | 63000 | 93600 | | 4950 B | 200 U | |
| VANADIUM | P | 19 B | 20 B | | 237 | | 4 U | 89 |
| ZINC | P | 15 B | 13 B | | 1390 | | 7 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1749 | INICS1767 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| ALUMINUM | P | 454000 | 458000 |
| ANTIMONY | P | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U |
| BARIUM | P | 10 B | 424 |
| BERYLLIUM | P | 4.9 B | 423 |
| CADMIUM | P | 2.2 B | 782 |
| CALCIUM | P | 449000 | 452000 |
| CHROMIUM | P | 22 | 416 |
| COBALT | P | 24 B | 406 |
| COPPER | P | 22 B | 466 |
| IRON | P | 174000 | 175000 |
| LEAD | P | 50 U | 3910 |
| MAGNESIUM | P | 452000 | 456000 |
| MANGANESE | P | 43 | 449 |
| NICKEL | P | 18 B | 775 |
| SELENIUM | P | 60 U | 60 U |
| SILVER | P | 6.8 B | 837 |
| SODIUM | P | 1240 B | 1210 B |
| VANADIUM | P | 4 U | 391 |
| ZINC | P | 7 U | 832 |
| % SOLIDS | | | |

TABLE D.2.15 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1897 | INLCS2131 | INRAN2294 | INICV1861 | INICB1675 | INPB02230 | INPB02231 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 10000 | 8000 | 1000 B | 100 U | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | QA | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CFA STP | CFA STP | DUPLICATE | ANL W-1 | ANL W-1 | CONTINUING |
| TYPE OF LOCATION | | SAMPLE | CFA STP | CFA STP | | WELL | WELL | CAL FOUND |
| SAMPLE NUMBER | | INLCS2095 | IN523134C | IN523145B | IN523145B | IN404016I | IN404027I | INCCV1159 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 4 | 4 | 4 | 2 | 2 | |
| POTASSIUM | FE | 11000 | 100 U | 100 U | 100 U | 3300 B | 3400 B | 1000 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CFA STP | CFA STP | CFA STP | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | CAL BLANK | CFA STP | CFA STP | CFA STP | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | INCCB1029 | IN523010E | IN523021E | IN523032E | INCCV1160 | INCCB1030 | IN519014E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 4 | 4 | 4 | | | 3 |
| POTASSIUM | FE | 100 U | 8800 | 11000 | 10000 | 1000 B | 100 U | 21000 |
| % SOLIDS | | | | | | | | |

TABLE D.2.15 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN404016K

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN519025E | IN519036E | IN519047E | IN519058E | IN519069E | INCCV1161 | INCCB1031 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | | |
| POTASSIUM | FE | 19000 | 18000 | 21000 | 18000 | 17000 | 1000 B | 100 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1822 | INICS1840 | INICV1898 | INICV1948 | INICV1984 | INLCS2132 | INLRA2201 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 5E+08 | 5E+08 | 100000 | 1050 | | 970 | |
| ANTIMONY | P | | | | 1000 | | 990 | 120 |
| ARSENIC | P | | | | 1000 | | 1000 | 500 |
| BARIUM | P | | 483 | | 1010 | | 970 | |
| BERYLLIUM | P | | 474 | | 250 | | 960 | 10 |
| CADMIUM | P | | 474 | | 246 | | 940 | 10 |
| CALCIUM | P | 5E+08 | 470000 | | 25100 | 5000 | 1000 B | |
| CHROMIUM | P | | 513 | | 251 | | 1030 | 20 |
| COBALT | P | | 478 | | 249 | | 1000 | 100 |
| COPPER | P | | 534 | | 260 | | 1030 | 50 |
| IRON | P | 2E+08 | 2110 | 100000 | 1040 | | 1020 | |
| LEAD | P | | 4850 | | 2480 | | 1010 | 500 |
| MAGNESIUM | P | 5E+08 | 513000 | 50000 | | 5000 | 1000 B | |
| MANGANESE | P | | 470 | 50000 | 252 | | 1020 | 30 |
| NICKEL | P | | 916 | | 242 | | 1020 | 80 |
| SELENIUM | P | | | | 1000 | | 990 | 500 |
| SILVER | P | | 934 | | 242 | | 990 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 860 B | |
| VANADIUM | P | | 475 | | 252 | | 1010 | 100 |
| ZINC | P | | 973 | | 1460 | | 1010 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2295 | INRAN2327 | INICV1862 | INICV1930 | INICV1966 | INICB1678 | INLRA2183 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 100000 | 1080 | | 50 U | |
| ANTIMONY | P | 10000 | | | 1000 | | 50 U | 111 |
| ARSENIC | P | 20000 | | | 1050 | | 60 U | 511 |
| BARIUM | P | 5000 | | | 958 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 251 | | 0.3 U | 9.9 |
| CADMIUM | P | 5000 | | | 239 | | 1 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 25200 | 5100 | 150 U | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2295 | INRAN2327 | INICV1862 | INICV1930 | INICV1966 | INICB1678 | INLRA2183 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 246 | | 5 U | 21 |
| COBALT | P | 10000 | | | 236 | | 2 U | 100 |
| COPPER | P | 10000 | | | 249 | | 10 U | 52 |
| IRON | P | 12000 | 1000000 | 107000 | 944 | | 20 U | |
| LEAD | P | 20000 | | | 2340 | | 30 U | 504 |
| MAGNESIUM | P | 12000 | 500000 | 50200 | | 4940 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 48800 | 243 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 229 | | 6 U | 80 |
| SELENIUM | P | 10000 | | | 1030 | | 50 U | 495 |
| SILVER | P | 10000 | | | 246 | | 6 U | 20 |
| SODIUM | P | 25000 | 900000 | 103000 | | 5420 | 170 U | |
| VANADIUM | P | 10000 | | | 247 | | 4 U | 99 |
| ZINC | P | 6000 | | | 1430 | | 8 U | 43 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | WELL SL-1 | WELL SL-1 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1786 | INICS1804 | INPB02232 | INPB02233 | INLCS2096 | IN415019I | IN415020I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| ALUMINUM | P | 512000 | 517000 | 50 U | 50 U | 1140 | 190 B | 175 B |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 983 | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1050 | 60 UN | 60 UN |
| BARIUM | P | 10 B | 437 | 1 U | 4.2 B | 1010 | 36 B | 33 B |
| BERYLLIUM | P | 4 B | 437 | 0.3 U | 0.48 B | 972 | 2.1 B | 2 B |
| CADMIUM | P | 4.6 B | 822 | 1 U | 1 U | 892 | 1 UN | 1 UN |
| CALCIUM | P | 492000 | 495000 | 150 U | 150 U | 1030 B | 36600 | 34400 |
| CHROMIUM | P | 18 | 431 | 5 U | 5 U | 974 | 6.5 B | 6.2 B |
| COBALT | P | 6.2 B | 401 | 2 U | 2 U | 961 | 2 U | 2 U |
| COPPER | P | 10 U | 484 | 10 U | 10 U | 978 | 10 U | 10 U |
| IRON | P | 223000 | 223000 | 20 U | 20 U | 981 | 20 U | 20 U |
| LEAD | P | 30 U | 3990 | 30 U | 30 U | 1000 | 30 U | 30 U |
| MAGNESIUM | P | 517000 | 519000 | 10 U | 10 U | 991 B | 15600 | 14700 |
| MANGANESE | P | 7.7 B | 439 | 5 U | 5 U | 989 | 5 U | 5 U |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | WELL SL-1 | WELL SL-1 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1786 | INICS1804 | INPB02232 | INPB02233 | INLCS2096 | IN415019I | IN415020I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| NICKEL | P | 8.6 B | 762 | 6 U | 6 U | 946 | 6 U | 6 U |
| SELENIUM | P | 50 U | 78 B | 50 U | 50 U | 1020 | 50 U | 50 U |
| SILVER | P | 7.1 B | 917 | 6 U | 6 U | 1010 | 6 U | 6 U |
| SODIUM | P | 1120 B | 1150 B | 178 U | 170 U | 1070 B | 18200 E | 16900 E |
| VANADIUM | P | 4 U | 413 | 4 U | 4 U | 971 | 16 B | 15 B |
| ZINC | P | 8 U | 864 | 8 U | 8 U | 987 | 12 B | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL CFA-1 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | WELL CFA-1 | WELL ANP-8 |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | WELL |
| SAMPLE NUMBER | | IN414018J | INCCV1162 | INCCV1278 | INCCV1349 | INCCB1032 | IN414029I | IN406018I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 2 | 2 |
| ALUMINUM | P | 281 | 100000 | 1090 | | 50 U | 271 | 244 |
| ANTIMONY | P | 50 U | | 996 | | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 UN | | 1060 | | 60 U | 60 UN | 60 UN |
| BARIUM | P | 75 B | | 955 | | 1 U | 77 B | 81 B |
| BERYLLIUM | P | 2.7 B | | 250 | | 0.3 U | 1.6 B | 1.4 B |
| CADMIUM | P | 1 UN | | 238 | | 1 U | 1 UN | 1 UN |
| CALCIUM | P | 60200 | | 25300 | 5040 | 150 U | 61900 | 44100 |
| CHROMIUM | P | 16 | | 246 | | 5 U | 16 | 7.1 B |
| COBALT | P | 2 U | | 236 | | 2 U | 2 U | 2 U |
| COPPER | P | 10 U | | 247 | | 10 U | 10 U | 10 U |
| IRON | P | 20 U | 107000 | 943 | | 20 U | 20 U | 26 B |
| LEAD | P | 30 U | | 2350 | | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 19200 | 50500 | | 4940 B | 10 U | 19600 | 15200 |
| MANGANESE | P | 5 U | 48000 | 242 | | 5 U | 5 U | 5 U |
| NICKEL | P | 6 U | | 228 | | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | | 997 | | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | | 248 | | 6 U | 6 U | 6 U |
| SODIUM | P | 22800 E | 104000 | | 5510 | 170 U | 22500 E | 9880 E |
| VANADIUM | P | 14 B | | 248 | | 4 U | 13 B | 13 B |
| ZINC | P | 8 U | | 1440 | | 8.8 B | 8 U | 12 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-8 | WELL FET-1 | WELL FET-1 | WELL ANP-1 | WELL ANP-1 | WELL TRA-1 | WELL TRA-1 |
| TYPE OF LOCATION | | WELL | WELL | WELL | WELL | WELL | WELL | WELL |
| SAMPLE NUMBER | | IN406029I | IN407019I | IN407020I | IN408010I | IN408021I | IN423019I | IN423020I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ALUMINUM | P | 227 | 240 | 325 | 257 | 257 | 267 | 255 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 UN | 60 UN | 60 UN | 60 UN | 60 UN | 60 UN | 60 UN |
| BARIUM | P | 85 B | 76 B | 78 B | 86 B | 85 B | 52 B | 50 B |
| BERYLLIUM | P | 1.5 B | 1.5 B | 1.1 B | 1.3 B | 1.2 B | 1.3 B | 1.4 B |
| CADMIUM | P | 1 UN | 1 UN | 1 UN | 1 UN | 1 UN | 1 UN | 1 UN |
| CALCIUM | P | 46500 | 49800 | 50000 | 50900 | 50800 | 55400 | 53800 |
| CHROMIUM | P | 6.9 B | 6.3 B | 7.2 B | 6.8 B | 7.5 B | 6.1 B | 5.4 B |
| COBALT | P | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| COPPER | P | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| IRON | P | 20 U | 20 U | 101 | 20 U | 20 U | 20 U | 20 U |
| LEAD | P | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 15900 | 14900 | 15000 | 15400 | 15400 | 20300 | 19800 |
| MANGANESE | P | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| NICKEL | P | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 10700 E | 9900 E | 9900 E | 8430 E | 8390 E | 10800 E | 10500 E |
| VANADIUM | P | 14 B | 12 B | 13 B | 12 B | 13 B | 14 B | 13 B |
| ZINC | P | 15 B | 8 U | 76 | 8 U | 8 U | 8 U | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | FIRE STA. | CONTINUING | CONTINUING | CONTINUING | CONTINUING | FIRE STA. | SERIAL |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | DILUTION |
| SAMPLE NUMBER | | IN412016I | INCCV1163 | INCCV1279 | INCCV1350 | INCCB1033 | IN412027B | IN412027B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 2 | 2 |
| ALUMINUM | P | 267 | 100000 | 1100 | | 50 U | 266 | 250 U |
| ANTIMONY | P | 50 U | | 995 | | 50 U | 50 U | 250 U |
| ARSENIC | P | 60 UN | | 1070 | | 60 U | 60 UN | 300 U |
| BARIUM | P | 70 B | | 959 | | 1 U | 71 B | 12 B |
| BERYLLIUM | P | 1.1 B | | 250 | | 0.3 U | 1.6 B | 1.5 U |
| CADMIUM | P | 1 UN | | 238 | | 1 U | 1 UN | 5 U |
| CALCIUM | P | 53400 | | 25200 | 5050 | 150 U | 56300 | 53600 |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | FIRE STA. | CONTINUING | CONTINUING | CONTINUING | CONTINUING | FIRE STA. | SERIAL |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | DILUTION |
| SAMPLE NUMBER | | IN412016I | INCCV1163 | INCCV1279 | INCCV1350 | INCCB1033 | IN412027B | IN412027B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 2 | 2 |
| CHROMIUM | P | 7.4 B | | 248 | | 5 U | 7 B | 25 U |
| COBALT | P | 2 U | | 236 | | 2 U | 2 U | 10 U |
| COPPER | P | 10 U | | 245 | | 10 U | 10 U | 50 U |
| IRON | P | 20 U | 107000 | 947 | | 20 U | 20 U | 100 U |
| LEAD | P | 30 U | | 2360 | | 30 U | 30 U | 150 U |
| MAGNESIUM | P | 18900 | 50400 | | 4990 B | 10 U | 19800 | 18100 |
| MANGANESE | P | 5 U | 47700 | 242 | | 5 U | 5 U | 25 U |
| NICKEL | P | 6 U | | 229 | | 6 U | 6 U | 30 U |
| SELENIUM | P | 50 U | | 1030 | | 50 U | 50 U | 250 U |
| SILVER | P | 6 U | | 251 | | 6 U | 6 U | 30 U |
| SODIUM | P | 11000 E | 105000 | | 5530 | 170 U | 11500 E | 9570 |
| VANADIUM | P | 15 B | | 250 | | 4 U | 15 B | 25 B |
| ZINC | P | 12 B | | 1440 | | 8 U | 8 U | 40 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DIFFERENCE | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN412027B | IN412027B | IN412027B | IN412027B | IN412027B | INCCV1164 | INCCV1280 |
| MATRIX | | | WATER | | WATER | | WATER | WATER |
| UNITS | | % | UG/L | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| ALUMINUM | P | | 271 | 5 | 2290 | 101 | 99400 | 1090 |
| ANTIMONY | P | | 50 U | | 511 | 102 | | 987 |
| ARSENIC | P | | 60 U | | 60 U | | | 1050 |
| BARIUM | P | | 88 B | | 2070 | 100 | | 951 |
| BERYLLIUM | P | | 1.3 B | | 55 | 107 | | 245 |
| CADMIUM | P | | 1 U | | 51 | 10 | | 237 |
| CALCIUM | P | 4.8 | 57500 | 2.1 | 56900 | | | 24900 |
| CHROMIUM | P | | 7.8 B | | 210 | 102 | | 245 |
| COBALT | P | | 2 U | | 485 | 97 | | 235 |
| COPPER | P | | 10 U | | 248 | 103 | | 240 |
| IRON | P | | 22 B | | 971 | 97 | 106000 | 936 |
| LEAD | P | | 30 U | | 522 | 104 | | 2340 |
| MAGNESIUM | P | 8.6 | 20100 | 300 | 20100 | | 50000 | |
| MANGANESE | P | | 5 U | | 512 | 102 | 48200 | 240 |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DIFFERENCE | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN412027B | IN412027B | IN412027B | IN412027B | IN412027B | INCCV1164 | INCCV1280 |
| MATRIX | | | WATER | | WATER | | WATER | WATER |
| UNITS | | % | UG/L | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| NICKEL | P | | 6 U | | 477 | 95 | | 228 |
| SELENIUM | P | | 50 U | | 2040 | 102 | | 1030 |
| SILVER | P | | 6 U | | 53 | 106 | | 246 |
| SODIUM | P | 17 | 11700 | 200 | 11700 | | 103000 | |
| VANADIUM | P | | 16 B | | 514 | 100 | | 245 |
| ZINC | P | | 9.6 B | | 499 | 100 | | 1430 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL |
| SAMPLE NUMBER | | INCCV1351 | INCCB1034 | INCCV1165 | INCCV1281 | INCCV1352 | INCCB1035 | INLRA2165 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | | 50 U | 100000 | 1080 | | 50 U | |
| ANTIMONY | P | | 50 U | | 978 | | 50 U | 107 |
| ARSENIC | P | | 60 U | | 1040 | | 60 U | 502 |
| BARIUM | P | | 1 U | | 954 | | 1 U | |
| BERYLLIUM | P | | 0.3 U | | 246 | | 0.3 U | 7.2 |
| CADMIUM | P | | 1 U | | 236 | | 1 U | 9.3 |
| CALCIUM | P | 5030 | 150 U | | 24900 | 5000 | 150 U | |
| CHROMIUM | P | | 5 U | | 246 | | 6.4 B | 21 |
| COBALT | P | | 2 U | | 235 | | 2 U | 98 |
| COPPER | P | | 10 U | | 241 | | 10 U | 47 |
| IRON | P | | 20 U | 107000 | 941 | | 20 U | |
| LEAD | P | | 30 U | | 2350 | | 30 U | 491 |
| MAGNESIUM | P | 4930 B | 10 U | 50400 | | 4950 B | 10 U | |
| MANGANESE | P | | 5 U | 47800 | 241 | | 5 U | 29 |
| NICKEL | P | | 6 U | | 225 | | 6 U | 73 |
| SELENIUM | P | | 50 U | | 988 | | 50 U | 477 |
| SILVER | P | | 6 U | | 250 | | 6 U | 32 |
| SODIUM | P | 5410 | 170 U | 104000 | | 5380 | 170 U | |
| VANADIUM | P | | 4 U | | 247 | | 4 U | 99 |
| ZINC | P | | 8 U | | 1430 | | 8 U | 44 |
| % SOLIDS | | | | | | | | |

TABLE D.2.16 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018I DRAFT DO NOT CITE

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1750 | INICS1768 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| ALUMINUM | P | 515000 | 515000 |
| ANTIMONY | P | 50 U | 616 |
| ARSENIC | P | 60 U | 60 U |
| BARIUM | P | 10 B | 432 |
| BERYLLIUM | P | 1 B | 433 |
| CADMIUM | P | 5.3 | 817 |
| CALCIUM | P | 494000 | 494000 |
| CHROMIUM | P | 18 | 430 |
| COBALT | P | 7.2 B | 599 |
| COPPER | P | 10 U | 475 |
| IRON | P | 222000 | 222000 |
| LEAD | P | 30 U | 3990 |
| MAGNESIUM | P | 520000 | 524000 |
| MANGANESE | P | 6.5 B | 435 |
| NICKEL | P | 6.8 B | 725 |
| SELENIUM | P | 86 B | 50 U |
| SILVER | P | 8.2 B | 946 |
| SODIUM | P | 1010 B | 1050 B |
| VANADIUM | P | 4 U | 417 |
| ZINC | P | 8 U | 866 |
| % SOLIDS | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1899 | INLCS2133 | INRAN2296 | INICV1863 | INICB1681 | INPB02234 | INPB02235 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 10000 | 8000 | 1000 B | 100 U | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | WELL SL-1 | WELL SL-1 | WELL CFA-1 | WELL CFA-1 | WELL ANP-8 | WELL ANP-8 |
| TYPE OF LOCATION | | SAMPLE | WELL | WELL | WELL | WELL | WELL | WELL |
| SAMPLE NUMBER | | INLCS2097 | IN415019I | IN415020I | IN414018J | IN414029I | IN406018I | IN406029I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 2 | 2 | 2 | 2 | 2 | 2 |
| POTASSIUM | FE | 10000 | 3400 B | 3200 B | 3500 B | 3700 B | 3100 B | 3200 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL FET-1 | WELL FET-1 | WELL ANP-1 | WELL ANP-1 | CONTINUING | CONTINUING | WELL TRA-1 |
| TYPE OF LOCATION | | WELL | WELL | WELL | WELL | CAL FOUND | CAL BLANK | WELL |
| SAMPLE NUMBER | | IN407019I | IN407020I | IN408010I | IN408021I | INCCV1166 | INCCB1036 | IN423019I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | | | 2 |
| POTASSIUM | FE | 2600 B | 2500 B | 2400 B | 2200 B | 1000 B | 100 U | 1600 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.17 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN406018K DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | | WELL TRA-1 | FIRE STA. | FIRE STA. | DUPLICATE | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | WELL | WELL | | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN423020I | IN412016I | IN412027B | IN412027B | INCCV1167 | INCCB1037 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | | |
| POTASSIUM | FE | 1600 B | 2100 B | 2300 B | 2300 B | 1000 B | 100 U |
| % SOLIDS | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1006 | IN2AA2006 | IN03A0006 | IN2B10002 | IN2B10002 | IN03A0006 | IN03B0006 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ANTIMONY | F | 102 | 103 | 0.88 U | 60 | 58 | 0.88 U | 0.88 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | ANL W-1 | WELL ANP-8 | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE | WELL | WELL | CAL TRUE | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN0710006 | IN0710006 | IN404027H | IN406018H | IN2AA3006 | IN2AA4006 | IN03A1006 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 2 | 2 | | | |
| ANTIMONY | F | 102 | 112 | 0.88 U | 0.88 U | 102 | 93 | 0.88 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-8 | WELL FET-1 | WELL FET-1 | DUPLICATE | WELL ANP-1 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | WELL | WELL | | WELL | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN406029H | IN407019H | IN407020H | IN407020H | IN408010H | IN2AA5006 | IN03A2006 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| ANTIMONY | F | 0.88 U | 0.88 U | 0.88 U | 0.88 U | 0.88 U | 101 | 0.88 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-1 | FIRE STA. | FIRE STA. | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | WELL | WELL | WELL | CAL TRUE | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN408021H | IN412016H | IN412027A | IN2AB2006 | IN03A3006 | IN2AC2004 | IN03B0006 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | | | | |
| ANTIMONY | F | 0.88 U | 0.88 U | 0.88 U | 98 | 0.88 U | 108 | 0.88 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | WELL TRA-1 | MATRIX | MS % | WELL TRA-1 | CONTINUING |
| TYPE OF LOCATION | | TRUE | FINAL | WELL | SPIKE | RECOVERY | WELL | CAL FOUND |
| SAMPLE NUMBER | | IN2B20002 | IN2B20002 | IN423019H | IN412027A | IN412027A | IN423020H | IN2AC4004 |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 | |
| ANTIMONY | F | 60 | 60 | 0.88 U | 119 | 119 | 0.88 U | 109 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK |
| SAMPLE NUMBER | | IN03B4006 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ANTIMONY | F | 0.88 U |
| % SOLIDS | | |

TABLE D.2.19 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0007 | IN2AA1007 | IN2AA2007 | IN03A0007 | IN03B0007 | IN03A1007 | IN2AA3007 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.03 B | 0.04 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | USGS-43 WELL | USGS-65 WELL | DUPLICATE | USGS-86 WELL |
| TYPE OF LOCATION | | IN2AA4007 | IN0710007 | IN0710007 | IN421017H | IN422018H | IN422018H | IN409011H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 10 | 10 | 10 | 0.03 B | 0.02 B | 0.02 B | 0.02 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | USGS-86 WELL | USGS-105 WELL | USGS-105 WELL | USGS-110 WELL | USGS-110 WELL |
| TYPE OF LOCATION | | IN03A2007 | IN2AA5007 | IN409022H | IN410014H | IN410025H | IN411015H | IN411026H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | 2 | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 0.02 B | 0.02 B | 0.02 B | 0.02 B | 0.01 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.19 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011H

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-90 | CONTINUING | CONTINUING | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | CAL BLANK | CAL FOUND | SPIKE | RECOVERY | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN416010H | IN03A3007 | IN2AB4007 | IN416010H | IN416010H | IN03B4007 | IN2AB5007 |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | 2 | 2 | | |
| MERCURY | CV | 0.02 B | 0.02 U | 10 | 0.88 | 84 | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I. DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1823 | INICS1841 | INICV1900 | INICV1949 | INICV1985 | INLCS2134 | INLRA2202 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 970 | |
| ANTIMONY | P | | | | 1000 | | 990 | 120 |
| ARSENIC | P | | | | 1000 | | 1000 | 500 |
| BARIUM | P | | 483 | | 1000 | | 970 | |
| BERYLLIUM | P | | 474 | | 250 | | 960 | 10 |
| CADMIUM | P | | 909 | | 246 | | 940 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 1000 B | |
| CHROMIUM | P | | 513 | | 251 | | 1030 | 20 |
| COBALT | P | | 478 | | 249 | | 1000 | 100 |
| COPPER | P | | 534 | | 260 | | 1030 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 1020 | |
| LEAD | P | | 4850 | | 2480 | | 1010 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 1000 B | |
| MANGANESE | P | | 470 | 50000 | 252 | | 1020 | 30 |
| NICKEL | P | | 916 | | 242 | | 1020 | 80 |
| SELENIUM | P | | | | 1000 | | 990 | 500 |
| SILVER | P | | 934 | | 242 | | 990 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 860 B | |
| VANADIUM | P | | 475 | | 252 | | 1010 | 100 |
| ZINC | P | | 973 | | 1460 | | 1010 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2297 | INRAN2328 | INICV1864 | INICV1931 | INICV1967 | INICB1682 | INLRA2184 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 99800 | 1090 | | 50 U | |
| ANTIMONY | P | 10000 | | | 1010 | | 50 U | 128 |
| ARSENIC | P | 20000 | | | 1040 | | 60 U | 513 |
| BARIUM | P | 5000 | | | 966 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 252 | | 0.41 B | 10 |
| CADMIUM | P | 5000 | | | 242 | | 1 U | 11 |
| CALCIUM | P | 20000 | 800000 | | 25300 | 5090 | 150 U | |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2297 | INRAN2328 | INICV1864 | INICV1931 | INICV1967 | INICB1682 | INLRA2184 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 246 | | 5 U | 20 |
| COBALT | P | 10000 | | | 235 | | 2 U | 100 |
| COPPER | P | 10000 | | | 248 | | 10 U | 54 |
| IRON | P | 12000 | 1000000 | 108000 | 954 | | 20 U | |
| LEAD | P | 20000 | | | 2310 | | 30 U | 494 |
| MAGNESIUM | P | 12000 | 500000 | 50300 | | 4880 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50000 | 245 | | 5 U | 31 |
| NICKEL | P | 15000 | | | 240 | | 6 U | 82 |
| SELENIUM | P | 10000 | | | 1030 | | 50 U | 503 |
| SILVER | P | 10000 | | | 241 | | 6 U | 22 |
| SODIUM | P | 25000 | 900000 | 102000 | | 5320 | 170 U | |
| VANADIUM | P | 10000 | | | 244 | | 4 U | 98 |
| ZINC | P | 6000 | | | 1420 | | 8 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | USGS-43 WELL | USGS-65 WELL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICS1787 | INICS1805 | INPB02236 | INPB02237 | INLCS2098 | IN421017I | IN422018I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| ALUMINUM | P | 512000 | 518000 | 50 U | 50 U | 1100 | 316 | 349 |
| ANTIMONY | P | 50 U | | 50 U | 50 U | 1000 | 50 U | 50 U |
| ARSENIC | P | 60 U | | 60 U | 60 U | 1040 | 60 U | 60 U |
| BARIUM | P | 10 B | 442 | 1.8 B | 1.5 B | 1020 | 90 B | 59 B |
| BERYLLIUM | P | 4.1 B | 441 | 0.64 B | 0.61 B | 987 | 3 B | 3.1 B |
| CADMIUM | P | 4.1 B | 836 | 1 U | 1 U | 909 | 1.3 B | 1 U |
| CALCIUM | P | 496000 | 501000 | 150 U | 150 U | 1060 B | 59200 | 87700 |
| CHROMIUM | P | 17 | 433 | 5 U | 5 U | 982 | 8.8 B | 252 |
| COBALT | P | 5.4 B | 404 | 2 U | 2 U | 974 | 2 U | 2 U |
| COPPER | P | 10 U | 491 | 10 U | 10 U | 997 | 10 U | 10 U |
| IRON | P | 224000 | 226000 | 20 U | 20 U | 998 | 289 | 20 U |
| LEAD | P | 30 U | 3940 | 30 U | 30 U | 986 | 30 U | 30 U |
| MAGNESIUM | P | 518000 | 523000 | 10 U | 10 U | 991 B | 17500 E | 20100 E |
| MANGANESE | P | 8.3 B | 445 | 5 U | 5 U | 1010 | 5.6 B | 5 U |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | USGS-43 | USGS-65 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WELL | WELL |
| SAMPLE NUMBER | | INICS1787 | INICS1805 | INPB02236 | INPB02237 | INLCS2098 | IN421017I | IN422018I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 2 | 2 |
| NICKEL | P | 12 B | 791 | 6 U | 6 U | 995 | 6 U | 6 U |
| SELENIUM | P | 50 U | | 50 U | 50 U | 1050 | 50 U | 50 U |
| SILVER | P | 6 U | 905 | 6 U | 6 U | 985 | 6 U | 6 U |
| SODIUM | P | 1140 B | | 170 U | 170 U | 993 B | 13100 E | 14200 E |
| VANADIUM | P | 4 U | 411 | 4 U | 4 U | 963 | 14 B | 12 B |
| ZINC | P | 8 U | 875 | 8 U | 8 U | 990 | 178 | 488 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | USGS-86 | USGS-86 |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | WELL |
| SAMPLE NUMBER | | IN522075G | INCCV1168 | INCCV1282 | INCCV1353 | INCCB1038 | IN409011I | IN409022I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | | | 2 | 2 |
| ALUMINUM | P | 50 U | 99700 | 1100 | | 50 U | 676 | 854 |
| ANTIMONY | P | 50 U | | 1000 | | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | | 1050 | | 60 U | 60 U | 60 U |
| BARIUM | P | 5.6 B | | 974 | | 1 U | 29 B | 28 B |
| BERYLLIUM | P | 0.53 B | | 254 | | 0.67 B | 2.5 B | 2.6 B |
| CADMIUM | P | 1 U | | 243 | | 1 U | 1 U | 1 U |
| CALCIUM | P | 150 U | | 25800 | 5140 | 150 U | 40200 | 39700 |
| CHROMIUM | P | 5 U | | 249 | | 5 U | 18 | 18 |
| COBALT | P | 2 U | | 239 | | 2 U | 2 U | 2 U |
| COPPER | P | 10 U | | 251 | | 10 U | 10 U | 10 U |
| IRON | P | 86 B | 107000 | 962 | | 20 U | 506 | 604 |
| LEAD | P | 30 U | | 2350 | | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 14 BE | 50000 | | 4940 B | 13 B | 9460 E | 9460 E |
| MANGANESE | P | 5 U | 50000 | 246 | | 5 U | 15 | 17 |
| NICKEL | P | 6 U | | 239 | | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | | 1030 | | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | | 245 | | 6 U | 6 U | 6 U |
| SODIUM | P | 170 UE | 102000 | | 5290 | 170 U | 14000 E | 13600 E |
| VANADIUM | P | 4 U | | 247 | | 4 U | 15 B | 15 B |
| ZINC | P | 8 U | | 1440 | | 8 U | 276 | 247 |
| % SOLIDS | | | | | | | | |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-90 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WELL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN416010I | IN504017B | IN504028B | IN504039B | IN504040B | IN504051B | IN504062B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 231 | 288 | 327 | 271 | 244 | 251 | 286 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U | 60 U |
| BARIUM | P | 42 B | 53 B | 54 B | 53 B | 51 B | 62 B | 55 B |
| BERYLLIUM | P | 2.7 B | 2.8 B | 2.9 B | 2.8 B | 2.7 B | 3 B | 2.7 B |
| CADMIUM | P | 1.4 B | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| CALCIUM | P | 47700 | 56600 | 55800 | 55900 | 53800 | 55200 | 55600 |
| CHROMIUM | P | 19 | 5.6 B | 6.6 B | 5 U | 5 U | 5 U | 5.6 B |
| COBALT | P | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| COPPER | P | 12 B | 10 U | 11 B | 10 U | 10 U | 10 U | 10 U |
| IRON | P | 159 | 35 B | 122 | 32 B | 20 U | 20 B | 66 B |
| LEAD | P | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U |
| MAGNESIUM | P | 16800 E | 20500 E | 20300 E | 20200 E | 19400 E | 20000 E | 20200 E |
| MANGANESE | P | 5 U | 5 U | 5.4 B | 5 U | 5 U | 5 U | 5 U |
| NICKEL | P | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| SILVER | P | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 11500 E | 10700 E | 10300 E | 10400 E | 9910 E | 10300 E | 10200 E |
| VANADIUM | P | 14 B | 14 B | 14 B | 14 B | 13 B | 14 B | 14 B |
| ZINC | P | 304 | 8 U | 8 U | 8 U | 8 U | 8 U | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-105 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | USGS-105 | SERIAL |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | DILUTION |
| SAMPLE NUMBER | | IN410014I | INCCV1169 | INCCV1283 | INCCV1354 | INCCB1039 | IN410025I | IN410025I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 2 | 2 |
| ALUMINUM | P | 214 | 99300 | 1060 | | 50 U | 208 | 250 U |
| ANTIMONY | P | 50 U | | 1000 | | 50 U | 50 U | 250 U |
| ARSENIC | P | 60 U | | 1040 | | 60 U | 60 U | 300 U |
| BARIUM | P | 41 B | | 971 | | 1 U | 40 B | 5 U |
| BERYLLIUM | P | 2.7 B | | 254 | | 0.55 B | 2.8 B | 5.9 |
| CADMIUM | P | 1 U | | 242 | | 1 U | 1 U | 5 U |
| CALCIUM | P | 44600 | | 25800 | 5040 | 150 U | 42100 | 39900 |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-105 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | USGS-105 | SERIAL |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WELL | DILUTION |
| SAMPLE NUMBER | | IN410014I | INCCV1169 | INCCV1283 | INCCV1354 | INCCB1039 | IN410025I | IN410025I |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | | | | 2 | 2 |
| CHROMIUM | P | 6.4 B | | 247 | | 5 U | 6.1 B | 25 U |
| COBALT | P | 2 U | | 238 | | 2 U | 2 U | 10 U |
| COPPER | P | 10 U | | 248 | | 10 U | 10 U | 50 U |
| IRON | P | 20 U | 108000 | 956 | | 20 U | 24 B | 100 U |
| LEAD | P | 30 U | | 2350 | | 30 U | 30 U | 150 U |
| MAGNESIUM | P | 16800 E | 50000 | | 4860 B | 10 U | 16000 E | 14300 |
| MANGANESE | P | 5 U | 49700 | 245 | | 5 U | 5 U | 25 U |
| NICKEL | P | 6 U | | 236 | | 6 U | 6 U | 30 U |
| SELENIUM | P | 50 U | | 1040 | | 50 U | 50 U | 250 U |
| SILVER | P | 6 U | | 241 | | 6 U | 6 U | 30 U |
| SODIUM | P | 14800 E | 102000 | | 5240 | 170 U | 14700 E | 13000 |
| VANADIUM | P | 15 B | | 245 | | 4 U | 15 B | 20 U |
| ZINC | P | 95 | | 1440 | | 8 U | 87 | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DIFFERENCE | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN410025I | IN410025I | IN410025I | IN410025I | IN410025I | INCCV1170 | INCCV1284 |
| MATRIX | | | WATER | | WATER | | WATER | WATER |
| UNITS | | % | UG/L | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| ALUMINUM | P | | 218 | 10 | 2160 | 98 | 98400 | 1080 |
| ANTIMONY | P | | 50 U | | 510 | 102 | | 1010 |
| ARSENIC | P | | 60 U | | 524 | 105 | | 1060 |
| BARIUM | P | | 39 B | | 2070 | 102 | | 968 |
| BERYLLIUM | P | | 2.8 B | | 55 | 102 | | 254 |
| CADMIUM | P | | 1 U | | 48 | 96 | | 242 |
| CALCIUM | P | 5.2 | 42600 | 1.2 | 45300 | | | 25800 |
| CHROMIUM | P | | 5.6 B | | 207 | 100 | | 247 |
| COBALT | P | | 2 U | | 472 | 94 | | 237 |
| COPPER | P | | 10 U | | 245 | 98 | | 249 |
| IRON | P | | 20 U | | 989 | 96 | 107000 | 953 |
| LEAD | P | | 30 U | | 518 | 104 | | 2340 |
| MAGNESIUM | P | 11 | 16200 | 200 | 17100 | | 49500 | |
| MANGANESE | P | | 5 U | | 495 | 99 | 49300 | 245 |

TABLE D.2.20 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DIFFERENCE | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN410025I | IN410025I | IN410025I | IN410025I | IN410025I | INCCV1170 | INCCV1284 |
| MATRIX | | | WATER | | WATER | | WATER | WATER |
| UNITS | | % | UG/L | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| NICKEL | P | | 6 U | | 471 | 94 | | 237 |
| SELENIUM | P | | 50 U | | 539 | 108 | | 1030 |
| SILVER | P | | 6 U | | 52 | 104 | | 239 |
| SODIUM | P | 12 | 14800 | 100 | 15100 | | 101000 | |
| VANADIUM | P | | 15 B | | 505 | 98 | | 246 |
| ZINC | P | | 90 | 3 | 573 | 97 | | 1430 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1355 | INCCB1040 | INLRA2166 | INICS1751 | INICS1769 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | |
| ALUMINUM | P | | 50 U | | 508000 | 509000 |
| ANTIMONY | P | | 50 U | 131 | 199 | |
| ARSENIC | P | | 60 U | 515 | 60 U | |
| BARIUM | P | | 1 U | | 8.2 B | 440 |
| BERYLLIUM | P | | 0.49 B | 11 | 4.4 B | 445 |
| CADMIUM | P | | 1 U | 10 | 3.8 B | 841 |
| CALCIUM | P | 5020 | 150 U | | 502000 | 504000 |
| CHROMIUM | P | | 5 U | 20 | 17 | 433 |
| COBALT | P | | 2 U | 100 | 6.6 B | 403 |
| COPPER | P | | 10 U | 55 | 11 B | 482 |
| IRON | P | | 20 U | | 224000 | 224000 |
| LEAD | P | | 30 U | 491 | 30 U | 3970 |
| MAGNESIUM | P | 4870 B | 10 U | | 516000 | 519000 |
| MANGANESE | P | | 5 U | 32 | 8.6 B | 443 |
| NICKEL | P | | 6 U | 83 | 6 U | 775 |
| SELENIUM | P | | 50 U | 488 | 50 U | |
| SILVER | P | | 6 U | 20 | 6.8 B | 902 |
| SODIUM | P | 5200 | 170 U | | 1110 B | |
| VANADIUM | P | | 4 U | 98 | 4 U | 411 |
| ZINC | P | | 8 U | 43 | 8 U | 864 |
| % SOLIDS | | | | | | |

TABLE D.2.21 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011K

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | QA | QA | QA | | | | |
| LOCATION | | INITIAL CAL TRUE A | LAB CONTROL SAMPLE TRUE | LINEAR RANGE | USGS-43 WELL | USGS-65 WELL | TRA 1952 WASTE POND | USGS-86 WELL |
| TYPE OF LOCATION | | INICV1901 | INLCS2135 | INRAN2298 | IN421017I | IN422018I | IN522075G | IN409011I |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | 2 | 2 | 3 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 10000 | 8000 | 2500 B | 3300 B | 100 U | 3300 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | USGS-86 WELL | USGS-90 WELL | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN409022I | IN416010I | IN504017B | IN504028B | IN504039B | IN504040B | IN504051B |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 3400 B | 2900 B | 1900 B | 1900 B | 1800 B | 1700 B | 1600 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | QA | QA | QA | QA |
| LOCATION | | TRA 1952 WASTE POND | USGS-105 WELL | USGS-105 WELL | INITIAL CAL FOUND A | CONTINUING CAL FOUND | INITIAL CAL BLANK | PREP BLANK |
| TYPE OF LOCATION | | IN504062B | IN410014I | IN410025I | INICV1865 | INCCV1171 | INICB1685 | INPB02238 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 3 | 2 | 2 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1700 B | 3000 B | 2800 B | 1000 B | 1000 B | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.21 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN409011K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | | PREP | LAB CONTROL | CONTINUING | DUPLICATE | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK | SAMPLE | CAL BLANK | | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | INPB02239 | INLCS2099 | INCCB1041 | IN410025I | INCCV1172 | INCCB1042 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 2 | | |
| POTASSIUM | FE | 230 B | 13000 | 100 U | 2800 B | 1000 B | 100 U |
| % SOLIDS | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | LINEAR RANGE |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | |
| SAMPLE NUMBER | | INICS1824 | INICS1842 | INICV1902 | INICV1950 | INICV1986 | INLCS2136 | INRAN2299 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 990 | | 970 | 10000 |
| ANTIMONY | P | | | | 1000 | | 990 | 10000 |
| ARSENIC | P | | | | 1000 | | 1000 | 20000 |
| BARIUM | P | | 483 | | 990 | | 970 | 5000 |
| BERYLLIUM | P | | 474 | | 240 | | 960 | 1500 |
| CADMIUM | P | | 909 | | 244 | | 940 | 5000 |
| CALCIUM | P | 476000 | 470000 | | 24900 | 5000 | 1000 B | 20000 |
| CHROMIUM | P | | 513 | | 253 | | 1030 | 10000 |
| COBALT | P | | 478 | | 237 | | 1000 | 10000 |
| COPPER | P | | 534 | | 271 | | 1030 | 10000 |
| IRON | P | 219000 | 211000 | 100000 | 995 | | 1020 | 12000 |
| LEAD | P | | 4850 | | 2250 | | 1010 | 20000 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 1000 B | 12000 |
| MANGANESE | P | | 470 | 50000 | 256 | | 1020 | 2000 |
| NICKEL | P | | 916 | | 248 | | 1020 | 15000 |
| SELENIUM | P | | | | 1000 | | 990 | 10000 |
| SILVER | P | | 934 | | 254 | | 990 | 10000 |
| SODIUM | P | | | 100000 | | 5000 | 860 B | 25000 |
| VANADIUM | P | | 475 | | 255 | | 1010 | 10000 |
| ZINC | P | | 973 | | 1550 | | 1010 | 6000 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | | FOUND A | FOUND B | FOUND C | BLANK | SOL. A INIT | SOL. AB INIT |
| SAMPLE NUMBER | | INRAN2329 | INICV1866 | INICV1932 | INICV1968 | INICB1688 | INICS1788 | INICS1806 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 800000 | 100000 | 1140 | | 60 U | 516000 | 518000 |
| ANTIMONY | P | | | 999 | | 50 U | 50 U | 50 U |
| ARSENIC | P | | | 1080 | | 60 U | 60 U | 60 U |
| BARIUM | P | | | 997 | | 2 U | 11 B | 454 |
| BERYLLIUM | P | | | 252 | | 0.3 U | 4.8 B | 455 |
| CADMIUM | P | | | 250 | | 2 U | 4.6 B | 845 |
| CALCIUM | P | 800000 | | 26000 | 5230 | 200 U | 495000 | 499000 |

TABLE D.2.22 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | | FOUND A | FOUND B | FOUND C | BLANK | SOL. A INIT | SOL. AB INIT |
| SAMPLE NUMBER | | INRAN2329 | INICV1866 | INICV1932 | INICV1968 | INICB1688 | INICS1788 | INICS1806 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | | | 259 | | 6 U | 18 | 444 |
| COBALT | P | | | 250 | | 3 U | 5.9 B | 417 |
| COPPER | P | | | 267 | | 10 U | 10 U | 491 |
| IRON | P | 1000000 | 104000 | 979 | | 20 U | 222000 | 223000 |
| LEAD | P | | | 2150 | | 50 U | 50 U | 4130 |
| MAGNESIUM | P | 500000 | 50600 | | 4910 B | 10 U | 527000 | 528000 |
| MANGANESE | P | 200000 | 50100 | 254 | | 5 U | 8.1 B | 447 |
| NICKEL | P | | | 249 | | 6 U | 12 B | 831 |
| SELENIUM | P | | | 1010 | | 60 U | 60 U | 60 U |
| SILVER | P | | | 244 | | 6 U | 8.2 B | 900 |
| SODIUM | P | 900000 | 103000 | | 5300 | 200 U | 791 B | 832 B |
| VANADIUM | P | | | 256 | | 4 U | 4 U | 415 |
| ZINC | P | | | 1470 | | 7 U | 7 U | 884 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PREP | PREP | LAB CONTROL | USGS-110 | USGS-110 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | BLANK | BLANK | SAMPLE | WELL | WELL | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INPB02240 | INPB02241 | INLCS2100 | IN411015I | IN411026I | IN507010E | IN507021E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 2 | 2 | 3 | 3 |
| ALUMINUM | P | 60 U | 60 U | 1120 | 204 | 211 | 680 | 1110 |
| ANTIMONY | P | 50 U | 50 U | 987 | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | 60 U | 60 U | 1040 | 60 U | 60 U | 60 U | 60 U |
| BARIUM | P | 2 U | 2 U | 1030 | 39 B | 38 B | 177 B | 893 |
| BERYLLIUM | P | 0.3 U | 0.3 U | 972 | 2.7 B | 2.7 B | 3.8 B | 6 |
| CADMIUM | P | 2 U | 2 U | 905 | 2 U | 2 U | 2 U | 2 U |
| CALCIUM | P | 200 U | 200 U | 1050 B | 36900 | 36400 | 104000 | 265000 |
| CHROMIUM | P | 6 U | 6 U | 973 | 8 B | 7.8 B | 6 U | 51 |
| COBALT | P | 3 U | 3 U | 966 | 3 U | 3 U | 3 U | 3 U |
| COPPER | P | 10 U | 10 U | 979 | 10 U | 10 U | 10 U | 12 B |
| IRON | P | 20 U | 20 U | 984 | 68 B | 53 B | 122 | 817 |
| LEAD | P | 50 U | 50 U | 985 | 50 U | 50 U | 50 U | 50 U |
| MAGNESIUM | P | 10 U | 10 U | 966 B | 16000 E | 15800 E | 4910 BE | 69300 E |
| MANGANESE | P | 5 U | 5 U | 991 | 5 U | 5 U | 5 U | 8.9 B |

TABLE D.2.22 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015I

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | USGS-110 WELL | USGS-110 WELL | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INPB02240 | INPB02241 | INLCS2100 | IN411015I | IN411026I | IN507010E | IN507021E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 2 | 2 | 3 | 3 |
| NICKEL | P | 6 U | 6 U | 1000 | 6 U | 6 U | 6 U | 15 B |
| SELENIUM | P | 60 U | 60 U | 1030 | 60 U | 60 U | 60 U | 60 U |
| SILVER | P | 6 U | 6 U | 963 | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 200 U | 200 U | 1090 B | 18100 | 18700 | 55000 | 736000 |
| VANADIUM | P | 4 U | 4 U | 938 | 18 B | 18 B | 5.2 B | 30 B |
| ZINC | P | 7 U | 7 U | 982 | 181 | 171 | 16 B | 11 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INCCV1173 | INCCV1285 | INCCV1356 | INCCB1043 | IN507043E | IN507054E | IN516011H |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| ALUMINUM | P | 101000 | 1150 | | 60 U | 179 B | 1050 | 1890 |
| ANTIMONY | P | | 1000 | | 50 U | 50 U | 50 U | 50 U |
| ARSENIC | P | | 1090 | | 60 U | 60 U | 60 U | 60 U |
| BARIUM | P | | 1000 | | 2 U | 41 B | 955 | 49 B |
| BERYLLIUM | P | | 251 | | 0.35 B | 1.6 B | 5.7 | 1.4 B |
| CADMIUM | P | | 250 | | 2 U | 2 U | 2 U | 2 U |
| CALCIUM | P | | 26200 | 5270 | 200 U | 23200 | 216000 | 8580 |
| CHROMIUM | P | | 260 | | 6 U | 6 U | 46 | 52 |
| COBALT | P | | 252 | | 3 U | 3 U | 3 U | 3.2 B |
| COPPER | P | | 269 | | 10 U | 10 U | 14 B | 140 |
| IRON | P | 105000 | 979 | | 20 U | 38 B | 762 | 6780 |
| LEAD | P | | 2150 | | 50 U | 50 U | 59 B | 50 U |
| MAGNESIUM | P | 51100 | | 4880 B | 10 U | 669 BE | 57000 E | 2740 BE |
| MANGANESE | P | 51900 | 254 | | 5 U | 5 U | 8.5 B | 44 |
| NICKEL | P | | 251 | | 6 U | 6 U | 14 B | 12 B |
| SELENIUM | P | | 1050 | | 60 U | 60 U | 60 U | 60 U |
| SILVER | P | | 243 | | 6 U | 6 U | 6 U | 6 U |
| SODIUM | P | 101000 | | 5430 | 200 U | 9090 | 634000 | 77600 |
| VANADIUM | P | | 254 | | 4 U | 4 U | 29 B | 18 B |
| ZINC | P | | 1480 | | 7 U | 9.9 B | 16 B | 59 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | SERIAL | SD % | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | DILUTION | DIFFERENCE | | RPD |
| SAMPLE NUMBER | | IN516022H | IN516044H | IN516055H | IN516055H | IN516055H | IN516055H | IN516055H |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 440 | 1050 | 1280 | 1410 | | 1180 | 8.1 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 250 U | | 50 U | |
| ARSENIC | P | 60 U | 60 U | 60 U | 300 U | | 60 U | |
| BARIUM | P | 81 B | 27 B | 80 B | 87 B | 8.8 | 74 B | |
| BERYLLIUM | P | 4.2 B | 1.2 B | 4 B | 6.3 | | 3.7 B | |
| CADMIUM | P | 2 U | 2 U | 2 U | 10 U | | 2 U | |
| CALCIUM | P | 45400 | 5220 | 40100 | 39400 | 1.7 | 37000 | 8 |
| CHROMIUM | P | 8.3 B | 26 | 15 | 30 U | | 15 | 1 |
| COBALT | P | 3 U | 3 U | 3 U | 15 U | | 3 U | |
| COPPER | P | 10 U | 73 | 13 B | 50 U | | 13 B | |
| IRON | P | 77 B | 3000 | 349 | 465 | | 348 | 1 |
| LEAD | P | 50 U | 50 U | 50 U | 250 U | | 50 U | |
| MAGNESIUM | P | 16200 E | 1640 BE | 14600 E | 12300 | 16 | 13400 | 1200 |
| MANGANESE | P | 5 U | 19 | 7.1 B | 25 U | | 6.8 B | |
| NICKEL | P | 6 U | 6.4 B | 6 U | 30 U | | 6 U | |
| SELENIUM | P | 60 U | 60 U | 60 U | 300 U | | 60 U | |
| SILVER | P | 6 U | 6 U | 6 U | 30 U | | 6 U | |
| SODIUM | P | 140000 | 82200 | 134000 | 135000 | 0.75 | 123000 | 8.6 |
| VANADIUM | P | 16 B | 11 B | 18 B | 20 U | | 16 B | |
| ZINC | P | 10 B | 28 | 12 B | 35 U | | 11 B | |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | CONTINUING | CONTINUING | CONTINUING | CONTINUING | INTER CHK |
| TYPE OF LOCATION | | SPIKE | RECOVERY | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | SOL. A FINAL |
| SAMPLE NUMBER | | IN516055H | IN516055H | INCCV1174 | INCCV1286 | INCCV1357 | INCCB1044 | INICS1752 |
| MATRIX | | WATER | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | | | |
| ALUMINUM | P | 3050 | 88 | 95300 | 1090 | | 60 U | 487000 |
| ANTIMONY | P | 467 | 93 | | 985 | | 116 | 50 U |
| ARSENIC | P | 493 | 99 | | 1030 | | 492 | 60 U |
| BARIUM | P | 2000 | 96 | | 968 | | 2 U | 11 B |
| BERYLLIUM | P | 52 | 94 | | 239 | | 10 | 5.2 |
| CADMIUM | P | 44 | 88 | | 243 | | 9.8 | 4 B |
| CALCIUM | P | 36900 | | | 25100 | 5050 | 200 U | 476000 |

TABLE D.2.22 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015I

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | INTER CHK SOL. A FINAL |
| TYPE OF LOCATION | | IN516055H | IN516055H | INCCV1174 | INCCV1286 | INCCV1357 | INCCB1044 | INICS1752 |
| SAMPLE NUMBER | | WATER | | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | 3 | 3 | | | | | |
| CHROMIUM | P | 199 | 92 | | 248 | | 19 | 17 |
| COBALT | P | 446 | 89 | | 240 | | 95 | 5.9 B |
| COPPER | P | 247 | 94 | | 257 | | 52 | 10 B |
| IRON | P | 1240 | 89 | 101000 | 934 | | 36 B | 213000 |
| LEAD | P | 454 | 91 | | 2040 | | 473 | 50 U |
| MAGNESIUM | P | 13500 | | 48500 | | 4570 B | 10 U | 500000 |
| MANGANESE | P | 468 | 92 | 51100 | 244 | | 30 | 8.3 B |
| NICKEL | P | 479 | 96 | | 247 | | 84 | 14 B |
| SELENIUM | P | 488 | 98 | | 1000 | | 481 | 60 U |
| SILVER | P | 47 | 94 | | 221 | | 16 | 7.5 B |
| SODIUM | P | 120000 | | 93500 | | 5190 | 200 U | 896 B |
| VANADIUM | P | 451 | 87 | | 235 | | 90 | 4 U |
| ZINC | P | 464 | 90 | | 1420 | | 34 | 7 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1770 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ALUMINUM | P | 484000 |
| ANTIMONY | P | 50 U |
| ARSENIC | P | 60 U |
| BARIUM | P | 436 |
| BERYLLIUM | P | 432 |
| CADMIUM | P | 807 |
| CALCIUM | P | 474000 |
| CHROMIUM | P | 419 |
| COBALT | P | 397 |
| COPPER | P | 461 |
| IRON | P | 212000 |
| LEAD | P | 3940 |
| MAGNESIUM | P | 496000 |
| MANGANESE | P | 425 |

TABLE D.2.22 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015I DRAFT DO NOT CITE

| | METHOD | |
|---|---|---|
| AREA | | QA |
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1770 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| NICKEL | P | 813 |
| SELENIUM | P | 60 U |
| SILVER | P | 818 |
| SODIUM | P | 892 B |
| VANADIUM | P | 383 |
| ZINC | P | 841 |
| % SOLIDS | | |

TABLE D.2.23 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1903 | INLCS2137 | INRAN2300 | INICV1867 | INICB1689 | INPB02242 | INPB02243 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 10000 | 8000 | 960 B | 100 U | 100 U | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | USGS-110 | USGS-110 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | SAMPLE | WELL | WELL | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | INLCS2101 | IN411015I | IN411026I | IN507010E | IN507043E | IN516011H | INCCV1175 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 2 | 2 | 3 | 3 | 3 | |
| POTASSIUM | FE | 9800 | 3500 B | 3200 B | 890 B | 200 B | 5800 | 1000 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | DUPLICATE | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INCCB1045 | IN516022H | IN516044H | IN516055H | IN516055H | IN507021E | IN507054E |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | 3 |
| POTASSIUM | FE | 100 U | 3900 B | 2800 B | 3400 B | 3200 B | 7400 | 5700 |
| % SOLIDS | | | | | | | | |

TABLE D.2.23 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN411015K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | INCCV1176 | INCCB1046 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| POTASSIUM | FE | 980 B | 100 U |
| % SOLIDS | | | |

TABLE D.2.24 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN415020H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | INITIAL CAL FOUND A | INITIAL CAL BLANK 1 | CRDL STAND TRUE | CRDL STAND FINAL | PREP BLANK | PREP BLANK 2 |
| TYPE OF LOCATION | | IN2AA1008 | IN2AA2008 | IN03A0008 | IN2B10003 | IN2B10003 | IN03A0008 | IN03B0008 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 20 | 21 | 1.1 U | 10 | 9.4 | 1.1 U | 1.1 U |
| CADMIUM | F | 4.8 | 4.6 | 0.08 U | 5 | 4.9 | 0.08 U | 0.08 U |
| LEAD | F | 39 | 41 | 0.4 U | 5 | 5.8 | 0.4 U | 0.4 U |
| SELENIUM | F | 20 | 21 | 1.2 U | 5 | 5.4 | 1.2 U | 1.2 U |
| SILVER | F | 9.7 | 10 | 0.31 U | 10 | 9.9 | 0.31 U | 0.31 U |
| THALLIUM | F | 39 | 39 | 1.2 U | 10 | 11 | 1.2 U | 1.2 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | WELL P&W 2 WELL | WELL P&W 2 WELL | CONTINUING CAL TRUE | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | IN0710008 | IN0710008 | IN401013H | IN401024H | IN2AA3008 | IN2AA4008 | IN2AA5008 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | 2 | 2 | | | |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 100 | 99 | 1.2 B | 1.1 U | 20 | 20 | |
| CADMIUM | F | 25 | 24 | 0.09 B | 0.08 U | 4.8 | 4.9 | 5 |
| LEAD | F | 100 | 107 | 2.4 B | 2.2 B | 39 | 42 | 42 |
| SELENIUM | F | 25 | 25 | 1.6 B | 1.4 B | 20 | 21 | 18 |
| SILVER | F | 5 | 4.7 | 0.31 U | 0.31 U | 9.7 | 10 | 9.6 |
| THALLIUM | F | 6.3 | 5.4 | 1.2 U | 1.2 U | 39 | 40 | 41 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL BLANK | CONTINUING CAL BLANK | INITIAL CAL FOUND A | INITIAL CAL BLANK 2 | CRDL STAND TRUE | CRDL STAND FINAL |
| TYPE OF LOCATION | | IN03A1008 | IN03A2008 | IN03A3008 | IN2AB2008 | IN03B0008 | IN2B20003 | IN2B20003 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 1.1 U | | | 21 | 1.1 U | 10 | 9.8 |
| CADMIUM | F | 0.08 U | 0.08 U | 0.08 U | | 0.08 U | 5 | 5.2 |

TABLE D.2.24 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN415020H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND |
| TYPE OF LOCATION | | CAL BLANK | CAL BLANK | CAL BLANK | FOUND A | BLANK 2 | TRUE | FINAL |
| SAMPLE NUMBER | | IN03A1008 | IN03A2008 | IN03A3008 | IN2AB2008 | IN03B0008 | IN2B20003 | IN2B20003 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| LEAD | F | 0.4 U | 0.4 U | 0.4 U | | 0.4 U | 5 | 4.9 |
| SELENIUM | F | 1.2 U | 1.2 U | 1.2 U | | | | |
| SILVER | F | 0.31 U | 0.31 U | 0.31 U | | 0.31 U | 10 | 10 |
| THALLIUM | F | 1.2 U | 1.2 U | 1.2 U | | 1.2 U | 10 | 9.6 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL P&W 2 | USGS-19 | USGS-19 | USGS-27 | USGS-27 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | WELL | WELL | WELL | WELL | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN401035A | IN402014H | IN402025H | IN403015H | IN403026H | IN03B4008 | IN2AB4008 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| ARSENIC | F | 1.1 U | 2.3 B | 2.3 B | 2.7 B | 2.8 B | 1.1 U | 22 |
| CADMIUM | F | 0.08 U | 0.13 B | 0.09 B | 0.1 B | 0.08 U | 0.08 U | 4.7 |
| LEAD | F | 0.4 U | 0.4 B | 0.6 B | 1.1 B | 1.2 B | 0.4 U | 43 |
| SELENIUM | F | 1.2 U | 1.4 B | 1.2 U | 1.9 B | 1.4 B | 1.2 U | 20 |
| SILVER | F | 0.31 U | 0.31 U | 0.31 U | 0.31 U | 0.31 U | 0.31 U | 10 |
| THALLIUM | F | 1.3 B | 1.2 U | 1.2 U | 1.2 U | 1.4 B | 1.2 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL CFA-1 | WELL CFA-1 | WELL SL-1 | WELL SL-1 | CONTINUING | CONTINUING | INITIAL CAL |
| TYPE OF LOCATION | | WELL | WELL | WELL | WELL | CAL FOUND | CAL BLANK | FOUND A |
| SAMPLE NUMBER | | IN414018H | IN414029H | IN415019H | IN415020H | IN2AB5008 | IN03B5008 | IN2AC2005 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | | | |
| ARSENIC | F | 1.1 U | 1.2 B | 2.6 B | 2.9 B | 18 | 1.1 U | 18 |
| CADMIUM | F | 0.08 U | 0.09 B | 0.09 B | 0.11 B | | 0.08 U | 4.9 |
| LEAD | F | 0.5 B | 0.4 U | 1 B | 0.9 B | | | 41 |
| SELENIUM | F | 1.5 B | 1.4 B | 1.2 U | 1.2 B | 20 | | |

TABLE D.2.24 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN415020H

DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL CFA-1 | WELL CFA-1 | WELL SL-1 | WELL SL-1 | CONTINUING CAL FOUND | CONTINUING CAL BLANK | INITIAL CAL FOUND A |
| TYPE OF LOCATION | | WELL | WELL | WELL | WELL | IN2AB5008 | IN03B5008 | IN2AC2005 |
| SAMPLE NUMBER | | IN414018H | IN414029H | IN415019H | IN415020H | WATER | WATER | WATER |
| MATRIX | | WATER | WATER | WATER | WATER | UG/L | UG/L | UG/L |
| UNITS | | UG/L | UG/L | UG/L | UG/L | | | |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | | | |
| SILVER | F | 0.31 U | 0.31 U | 0.31 U | 0.31 U | | | 9.6 |
| THALLIUM | F | 1.3 B | 1.2 U | 1.2 U | 1.2 U | | | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 3 | CRDL STAND TRUE | CRDL STAND FINAL | ANL W-1 WELL | DUPLICATE | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | IN03C0001 | IN2B30001 | IN2B30001 | IN404016H | IN404016H | IN404016H | IN404016H |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| UNITS | | | | | 2 | 2 | 2 | 2 |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 1.1 U | 10 | 9.3 | 2.5 B | 2.4 B | 26 | 120 |
| CADMIUM | F | | | | 0.08 B | 0.11 B | 5 | 98 |
| LEAD | F | | | | 0.4 U | 0.4 B | 20 | 99 |
| SELENIUM | F | | | | 1.2 U | 1.2 U | 12 | 116 |
| SILVER | F | | | | 0.31 U | 0.31 U | 9.3 B | 93 |
| THALLIUM | F | | | | 1.2 U | 1.2 U | 48 | 95 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | IN2AC4005 | IN03C7001 | IN2AC5005 |
| SAMPLE NUMBER | | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L |
| UNITS | | | | |
| ENV PROBLEM NO | | | | |
| ARSENIC | F | 22 | 1.1 U | |
| CADMIUM | F | 5.1 | | 4.9 |
| LEAD | F | 42 | | |
| SELENIUM | F | | | |
| SILVER | F | 9.9 | | |
| THALLIUM | F | 41 | | |

TABLE D.2.24 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN415020H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | | | | |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | CAL FOUND | | | | |
| SAMPLE NUMBER | | IN2AC4005 | IN03C7001 | IN2AC5005 | | | | |
| MATRIX | | WATER | WATER | WATER | | | | |
| UNITS | | UG/L | UG/L | UG/L | | | | |
| ENV PROBLEM NO | | | | | | | | |
| % SOLIDS | | | | | | | | |

TABLE D.2.25 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN423020H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1009 | IN2AA2009 | IN03A0009 | IN2B10004 | IN2B10004 | IN03A0009 | IN03B0009 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 20 | 21 | 1.1 U | 10 | 9.2 | 1.1 U | 1.1 U |
| CADMIUM | F | 4.8 | 4.9 | 0.08 U | 5 | 5.2 | 0.08 U | 0.08 U |
| LEAD | F | 39 | 41 | 0.4 U | 5 | 4.9 | 0.4 U | 0.4 U |
| SELENIUM | F | 20 | 20 | 1.2 U | 5 | 5 | 1.2 U | 1.2 U |
| SILVER | F | 9.7 | 10 | 0.31 U | 10 | 9.4 | 0.31 U | 0.3 U |
| THALLIUM | F | 39 | 42 | 1.2 U | 10 | 9.6 | 1.2 U | 1.2 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | WELL ANP-8 | CONTINUING | CONTINUING | CONTINUING | WELL FET-1 |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE | WELL | CAL TRUE | CAL FOUND | CAL BLANK | WELL |
| SAMPLE NUMBER | | IN0710009 | IN0710009 | IN406029H | IN2AA3009 | IN2AA4009 | IN03A1009 | IN407020H |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 2 | | | | 2 |
| ARSENIC | F | 100 | 106 | 2.6 B | 20 | 21 | 1.1 U | 2.6 B |
| CADMIUM | F | 25 | 24 | 0.1 B | 4.8 | 5.1 | 0.08 U | 0.16 B |
| LEAD | F | 100 | 102 | 0.5 B | 39 | 42 | 0.4 U | 0.8 B |
| SELENIUM | F | 25 | 27 | 1.3 B | 20 | 21 | 1.2 U | 1.2 U |
| SILVER | F | 5 | 4.4 | 0.31 U | 9.7 | 10 | 0.31 U | 0.31 U |
| THALLIUM | F | 6.3 | 6.9 | 1.2 U | 39 | 41 | 1.2 U | 1.2 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-1 | WELL ANP-1 | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | WELL | WELL | CAL FOUND | CAL BLANK | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN408010H | IN408021H | IN2AA5009 | IN03A2009 | IN03A3009 | IN2AB2009 | IN03B0009 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | | | | | |
| ARSENIC | F | 2.3 B | 2.2 B | 21 | 1.1 U | | 20 | 1.1 U |
| CADMIUM | F | 0.08 U | 0.08 B | 4.8 | 0.08 U | 0.08 U | | 0.08 U |

TABLE D.2.25 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN423020H

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL ANP-1 | WELL ANP-1 | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | WELL | WELL | CAL FOUND | CAL BLANK | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN408010H | IN408021H | IN2AA5009 | IN03A2009 | IN03A3009 | IN2AB2009 | IN03B0009 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | | | | | |
| LEAD | F | 0.4 U | 0.4 U | 42 | 0.4 U | 0.4 U | | 0.4 U |
| SELENIUM | F | 1.2 B | 1.3 B | 22 | 1.2 U | 1.2 U | | 1.2 U |
| SILVER | F | 0.31 U | 0.31 U | 9.7 | 0.31 U | 0.31 U | | 0.31 U |
| THALLIUM | F | 1.2 U | 1.2 U | 40 | 1.2 U | 1.2 U | | 1.2 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | ANL W-1 | WELL ANP-8 | FIRE STA. | FIRE STA. | CONTINUING |
| TYPE OF LOCATION | | TRUE | FINAL | WELL | WELL | WELL | WELL | CAL FOUND |
| SAMPLE NUMBER | | IN2B20004 | IN2B20004 | IN404027H | IN406018H | IN412016H | IN412027A | IN2AB4009 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 | |
| ARSENIC | F | 10 | 9.8 | 1.5 B | 1.6 B | 1.1 U | 1.1 U | 21 |
| CADMIUM | F | 5 | 5.1 | 0.08 U | 0.08 U | 0.46 B | 0.11 B | 5 |
| LEAD | F | 5 | 5 | 0.5 B | 0.4 U | 0.4 U | 0.4 U | 42 |
| SELENIUM | F | 5 | 5.3 | 1.2 U | 1.5 B | 1.2 U | 1.2 U | 20 |
| SILVER | F | 10 | 10 | 0.31 U | 0.31 U | 0.31 U | 0.31 U | 9.3 |
| THALLIUM | F | 10 | 10 | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 41 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND |
| TYPE OF LOCATION | | CAL BLANK | CAL BLANK | CAL BLANK | FOUND A | BLANK 3 | TRUE | FINAL |
| SAMPLE NUMBER | | IN03B4009 | IN03B5009 | IN03B6009 | IN2AC2006 | IN03C0002 | IN2B30002 | IN2B30002 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 1.1 U | | | 21 | 1.1 U | 10 | 10 |
| CADMIUM | F | 0.08 U | 0.08 U | 0.08 U | 4.5 | | | |
| LEAD | F | 0.4 U | 0.4 U | 0.4 U | 39 | | | |
| SELENIUM | F | 1.2 U | | | 19 | | | |

TABLE D.2.25 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN423020H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND |
| TYPE OF LOCATION | | CAL BLANK | CAL BLANK | CAL BLANK | FOUND A | BLANK 3 | TRUE | FINAL |
| SAMPLE NUMBER | | IN03B4009 | IN03B5009 | IN03B6009 | IN2AC2006 | IN03C0002 | IN2B30002 | IN2B30002 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| SILVER | F | 0.31 U | 0.31 U | 0.31 U | 9.6 | | | |
| THALLIUM | F | 1.2 U | 1.2 U | 1.2 U | 41 | | | |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | WELL TRA-1 | DUPLICATE | MATRIX | MS % | WELL FET-1 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | | SPIKE | RECOVERY | WELL | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN423020H | IN423020H | IN423020H | IN423020H | IN407019H | IN2AC4006 | IN2AC5006 |
| MATRIX | | WATER | WATER | WATER | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 2 | 2 | 2 | | |
| ARSENIC | F | 1.3 B | 1.2 B | 21 | 96 | 1.8 B | 20 | |
| CADMIUM | F | 0.08 U | 0.08 B | 5.2 | 104 | 0.09 B | 4.8 | 5 |
| LEAD | F | 0.4 U | 0.4 U | 20 | 99 | 0.6 B | 40 | 40 |
| SELENIUM | F | 1.5 B | 1.3 B | 11 | 110 | 1.3 B | 18 | |
| SILVER | F | 0.31 U | 0.31 U | 8.5 B | 85 | 0.31 U | 9.9 | 9.5 |
| THALLIUM | F | 1.2 U | 1.2 U | 49 | 98 | 1.2 U | 39 | 41 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | WELL TRA-1 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN423019H | IN2AD4001 | IN03C7002 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | |
| ARSENIC | F | 1.1 U | | 1.1 U |
| CADMIUM | F | 0.2 B | 5.2 | |
| LEAD | F | 0.4 U | 41 | |
| SELENIUM | F | 1.2 U | | |
| SILVER | F | 0.31 U | 9.4 | |
| THALLIUM | F | 1.2 U | 42 | |

TABLE D.2.25 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN423020H

DRAFT DO NOT CITE

| | METHOD | | | |
|---|---|---|---|---|
| AREA | | | QA | QA |
| LOCATION | | WELL TRA-1 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WELL | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN423019H | IN2AD4001 | IN03C7002 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | | |
| % SOLIDS | | | | |

TABLE D.2.26 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN501014D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0010 | IN2AA1010 | IN2AA2010 | IN03A0010 | IN03B0010 | IN03A1010 | IN2AA3010 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 9.8 | 0.06 B | 0.06 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TAN/WRRTF | DUPLICATE | MATRIX | MS % |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | BURN PITS | | SPIKE | RECOVERY |
| SAMPLE NUMBER | | IN2AA4010 | IN0710010 | IN0710010 | IN814136G | IN814136G | IN814136G | IN814136G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | | | | 7 | 7 | 7 | 7 |
| MERCURY | CV | 9.9 | 10 | 10 | 0.04 B | 0.04 B | 0.96 | 88 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN03A2010 | IN2AA5010 | IN501014D | IN501025D | IN501036D | IN501047D | IN501058D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 0.01 U | 10 | 0.13 B | 0.13 B | 0.13 B | 0.15 B | 0.26 |
| % SOLIDS | | | | | | | | |

TABLE D.2.26 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN501014D DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | WASTE POND | CAL BLANK | CAL FOUND | WASTE POND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN501069D | IN03A3010 | IN2AB4010 | IN501252A | IN815217F | IN817173F | IN816218F |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | 3 | 7 | 7 | 7 |
| MERCURY | CV | 0.13 B | 0.01 U | 9.5 | 0.2 | 0.03 B | 0.05 B | 0.03 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | CONTINUING | CONTINUING | | | |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | | | |
| SAMPLE NUMBER | | IN807104E | IN806216E | IN03B4010 | IN2AB5010 | | | |
| MATRIX | | WATER | WATER | WATER | WATER | | | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | | | |
| ENV PROBLEM NO | | 5 | 5 | | | | | |
| MERCURY | CV | 0.04 B | 0.04 B | 0.01 U | 9.6 | | | |
| % SOLIDS | | | | | | | | |

TABLE D.2.27 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0011 | IN2AA1011 | IN2AA2011 | IN03A0011 | IN03B0011 | IN03A1011 | IN2AA3011 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE | DUPLICATE RPD |
| TYPE OF LOCATION | | IN2AA4011 | IN0710011 | IN0710011 | IN502015C | IN502026C | IN502026C | IN502026C |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SEDIM | SEDIM | SEDIM | |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| UNITS | | | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 10 | 19 | 18 | 3.6 | 34 | 31 | 8.8 |
| % SOLIDS | | | | | 42.9 | 18.3 | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN502026C | IN03A2011 | IN2AA5011 | IN502037C | IN502048C | IN502059C | IN502060C |
| SAMPLE NUMBER | | SEDIM | WATER | WATER | SEDIM | SEDIM | SEDIM | SEDIM |
| MATRIX | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | 3 | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 24 | 0.01 U | 10 | 38 | 21 | 10 | 53 |
| % SOLIDS | | | | | 6.4 | 38.9 | 48.5 | 4.7 |

TABLE D.2.27 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN03A3011 | IN2AB4011 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| MERCURY | CV | 0.01 U | 11 |
| % SOLIDS | | | |

TABLE D.2.28 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1825 | INICS1843 | INICV1904 | INICV1951 | INICV1987 | INLCS2138 | INLRA2204 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND C | FOUND A | FOUND B | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2301 | INRAN2330 | INICV1969 | INICV1868 | INICV1933 | INICB1694 | INLRA2186 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | | 102000 | 1120 | 50 U | |
| ANTIMONY | P | 11000 | | | | 976 | 30 U | 118 |
| ARSENIC | P | 20000 | | | | 1020 | 60 U | 493 |
| BARIUM | P | 5000 | | | | 984 | 2 U | |
| BERYLLIUM | P | 1500 | | | | 251 | 0.3 U | 9.1 |
| CADMIUM | P | 4000 | | | | 246 | 2 U | 9.6 |
| CALCIUM | P | 20000 | 650000 | 5070 | | 26600 | 100 U | |

TABLE D.2.28 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND C | FOUND A | FOUND B | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2301 | INRAN2330 | INICV1969 | INICV1868 | INICV1933 | INICB1694 | INLRA2186 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | | 251 | 5 U | 20 |
| COBALT | P | 10000 | | | | 242 | 3 U | 98 |
| COPPER | P | 10000 | | | | 264 | 10 U | 52 |
| IRON | P | 12000 | 600000 | | 107000 | 980 | 10 U | |
| LEAD | P | 20000 | | | | 2390 | 50 U | 517 |
| MAGNESIUM | P | 11000 | 450000 | 5030 | 50500 | | 10 U | |
| MANGANESE | P | 2000 | 200000 | | 49500 | 248 | 2 U | 31 |
| NICKEL | P | 15000 | | | | 239 | 5 U | 80 |
| SELENIUM | P | 20000 | | | | 1040 | 60 U | 459 |
| SILVER | P | 10000 | | | | 251 | 5 U | 21 |
| SODIUM | P | 15000 | 600000 | 4580 B | 102000 | | 200 U | |
| VANADIUM | P | 10000 | | | | 259 | 4 U | 97 |
| ZINC | P | 6000 | | | | 1480 | 8 U | 43 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1789 | INICS1807 | INPB02244 | INPB02245 | INLCS2102 | IN502015D | IN502026D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| ALUMINUM | P | 522000 | 523000 | 50 U | 50 U | 473 | 27700 E | 18000 E |
| ANTIMONY | P | 30 U | | 30 U | 30 U | 208 | 205 N | 61 BN |
| ARSENIC | P | 95 B | | 60 U | 60 U | 900 | 111 B | 63 U |
| BARIUM | P | 14 B | 450 | 5 B | 2 U | 7.2 | 1910 | 556 |
| BERYLLIUM | P | 6 | 449 | 0.3 U | 0.3 U | 19 | 6.5 | 21 |
| CADMIUM | P | 5.3 | 834 | 2 U | 2 U | 38 | 13 | 44 |
| CALCIUM | P | 501000 | 504000 | 100 U | 100 U | 221000 | 25600 | 38300 |
| CHROMIUM | P | 19 | 442 | 5 U | 5 U | 89 | 16500 | 9080 |
| COBALT | P | 6.3 B | 420 | 3 U | 3 U | 121 | 14 B | 11 B |
| COPPER | P | 10 U | 478 | 10 U | 10 U | 7040 | 170 | 263 |
| IRON | P | 227000 | 227000 | 23 B | 10 U | 20500 | 32600 E | 30200 E |
| LEAD | P | 50 U | 4400 | 50 U | 50 U | 191 | 245 | 332 |
| MAGNESIUM | P | 528000 | 527000 | 10 U | 10 U | 131000 | 14800 | 25300 |
| MANGANESE | P | 2 U | 431 | 2 U | 2 U | 191 | 2680 | 7220 |

TABLE D.2.28 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1789 | INICS1807 | INPB02244 | INPB02245 | INLCS2102 | IN502015D | IN502026D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| NICKEL | P | 13 B | 811 | 5 U | 5 U | 51 | 111 E | 286 E |
| SELENIUM | P | 60 U | | 60 U | 60 U | 38 | 61 B | 63 U |
| SILVER | P | 6.6 B | 927 | 5 U | 5 U | 24 | 142 | 160 |
| SODIUM | P | 1860 B | | 200 U | 200 U | 724 | 1190 B | 580 B |
| VANADIUM | P | 4 U | 430 | 4 U | 4 U | 60 | 103 | 88 |
| ZINC | P | 8 U | 886 | 8 U | 8 U | 169 | 1130 | 5190 |
| % SOLIDS | | | | | | | 17.7 | 12.9 |

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INCCV1177 | INCCV1287 | INCCV1358 | INCCB1047 | IN502037D | IN502048D | IN502059D |
| MATRIX | | WATER | WATER | WATER | WATER | SEDIM | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| ALUMINUM | P | 102000 | 1100 | | 50 U | 18900 E | 15400 E | 15100 E |
| ANTIMONY | P | | 962 | | 30 U | 80 BN | 196 N | 156 N |
| ARSENIC | P | | 1010 | | 60 U | 133 U | 114 B | 71 B |
| BARIUM | P | | 982 | | 2 U | 302 B | 1440 | 2620 |
| BERYLLIUM | P | | 250 | | 0.3 U | 21 | 9.9 | 8.9 |
| CADMIUM | P | | 244 | | 2 U | 48 | 31 | 17 |
| CALCIUM | P | | 26900 | 5040 | 100 U | 17200 | 34400 | 42300 |
| CHROMIUM | P | | 249 | | 5 U | 5320 | 14100 | 13000 |
| COBALT | P | | 238 | | 3 U | 17 B | 12 B | 10 B |
| COPPER | P | | 260 | | 10 U | 252 | 354 | 213 |
| IRON | P | 107000 | 967 | | 10 U | 34300 E | 28500 E | 33800 E |
| LEAD | P | | 2370 | | 50 U | 488 | 445 | 428 |
| MAGNESIUM | P | 50500 | | 4850 B | 10 U | 16200 | 15900 | 16600 |
| MANGANESE | P | 49700 | 246 | | 2 U | 4140 | 2000 | 2500 |
| NICKEL | P | | 239 | | 5 U | 1050 E | 214 E | 104 E |
| SELENIUM | P | | 1020 | | 60 U | 133 U | 37 B | 67 B |
| SILVER | P | | 247 | | 5 U | 79 | 94 | 98 |
| SODIUM | P | 102000 | | 4480 B | 200 U | 926 B | 769 B | 706 B |
| VANADIUM | P | | 256 | | 4 U | 84 B | 85 | 73 |
| ZINC | P | | 1460 | | 8 U | 4520 | 2530 | 1620 |
| % SOLIDS | | | | | | 5.9 | 25.6 | 15.8 |

TABLE D.2.28 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015D DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | SERIAL | SD % | DUPLICATE | DUPLICATE | MATRIX | MS % |
| TYPE OF LOCATION | | WASTE POND | DILUTION | DIFFERENCE | | RPD | SPIKE | RECOVERY |
| SAMPLE NUMBER | | IN502060D | IN502060D | IN502060D | IN502060D | IN502060D | IN502060D | IN502060D |
| MATRIX | | SEDIM | SOIL | | SOIL | | SOIL | |
| UNITS | | MG/KG | MG/KG | % | MG/KG | % | MG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 22800 E | 18800 | 18 | 23400 | 2.6 | 32300 | |
| ANTIMONY | P | 87 BN | 388 U | | 78 U | | 1040 | 73 |
| ARSENIC | P | 155 U | 776 U | | 157 U | | 1420 | 109 |
| BARIUM | P | 321 B | 178 B | | 315 B | | 5720 | 104 |
| BERYLLIUM | P | 21 | 16 | | 24 | 3 | 157 | 105 |
| CADMIUM | P | 56 | 26 U | | 53 | 3 | 181 | 96 |
| CALCIUM | P | 16100 | 16300 | 1.2 | 15600 | 500 | 18200 | |
| CHROMIUM | P | 5660 | 5810 | 2.7 | 5430 | 4.1 | 6570 | |
| COBALT | P | 20 B | 39 U | | 17 B | | 1320 | 100 |
| COPPER | P | 277 | 293 | | 274 | 3 | 952 | 104 |
| IRON | P | 38400 E | 33800 | 12 | 38500 | 0.26 | 43900 | |
| LEAD | P | 531 | 646 U | | 502 B | 29 | 1940 | 108 |
| MAGNESIUM | P | 17000 | 17500 | 2.9 | 16900 | 100 | 18100 | |
| MANGANESE | P | 3910 | 3990 | 2 | 3760 | 3.9 | 5400 | 115 |
| NICKEL | P | 1160 E | 707 | 39 | 1160 | 0 | 2500 | 103 |
| SELENIUM | P | 155 U | 776 U | | 157 U | | 1430 | 110 |
| SILVER | P | 85 | 99 | | 69 | 16 | 220 | 104 |
| SODIUM | P | 997 B | 2590 U | | 837 B | | 1060 B | |
| VANADIUM | P | 95 B | 104 B | | 94 B | | 1420 | 102 |
| ZINC | P | 4980 | 5160 | 3.6 | 4610 | 7.7 | 6330 | 104 |
| % SOLIDS | | 5.2 | 5.2 | | 5.2 | | 5.2 | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCV1178 | INCCV1288 | INCCV1359 | INCCB1048 | INCCV1179 | INCCV1289 | INCCV1360 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 103000 | 1120 | | 50 U | 104000 | 1140 | |
| ANTIMONY | P | | 1010 | | 30 U | | 1010 | |
| ARSENIC | P | | 1040 | | 60 U | | 1070 | |
| BARIUM | P | | 999 | | 2 U | | 1010 | |
| BERYLLIUM | P | | 259 | | 0.3 U | | 263 | |
| CADMIUM | P | | 249 | | 2 U | | 250 | |
| CALCIUM | P | | 27300 | 5200 | 100 U | | 27600 | 5360 |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCV1178 | INCCV1288 | INCCV1359 | INCCB1048 | INCCV1179 | INCCV1289 | INCCV1360 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | | 254 | | 5 U | | 256 | |
| COBALT | P | | 242 | | 3 U | | 244 | |
| COPPER | P | | 266 | | 10 U | | 271 | |
| IRON | P | 109000 | 976 | | 10 U | 109000 | 990 | |
| LEAD | P | | 2370 | | 50 U | | 2390 | |
| MAGNESIUM | P | 51100 | | 4890 B | 10 U | 51400 | | 4980 B |
| MANGANESE | P | 52100 | 252 | | 2 U | 53100 | 255 | |
| NICKEL | P | | 248 | | 5 U | | 250 | |
| SELENIUM | P | | 1060 | | 60 U | | 1150 | |
| SILVER | P | | 251 | | 5 U | | 252 | |
| SODIUM | P | 103000 | | 4560 B | 200 U | 102000 | | 4570 B |
| VANADIUM | P | | 259 | | 4 U | | 259 | |
| ZINC | P | | 1480 | | 8 U | | 1490 | |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL |
| SAMPLE NUMBER | | INCCB1049 | INCCV1180 | INCCV1290 | INCCV1361 | INCCB1050 | INLRA2168 | INICS1753 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 50 U | 108000 | 1180 | | 50 U | | 536000 |
| ANTIMONY | P | 30 U | | 1060 | | 30 U | 138 | 30 U |
| ARSENIC | P | 60 U | | 1110 | | 60 U | 531 | 60 U |
| BARIUM | P | 2 U | | 1040 | | 2 U | | 15 B |
| BERYLLIUM | P | 0.3 U | | 272 | | 0.3 U | 10 | 6.1 |
| CADMIUM | P | 2 U | | 256 | | 2 U | 11 | 3.6 B |
| CALCIUM | P | 100 U | | 28300 | 5500 | 100 U | | 520000 |
| CHROMIUM | P | 5 U | | 263 | | 5 U | 22 | 19 |
| COBALT | P | 3 U | | 251 | | 3 U | 105 | 7.2 B |
| COPPER | P | 10 U | | 279 | | 10 U | 54 | 10 U |
| IRON | P | 10 U | 113000 | 1020 | | 10 U | | 232000 |
| LEAD | P | 50 U | | 2410 | | 50 U | 530 | 50 U |
| MAGNESIUM | P | 10 U | 53400 | | 5120 | 10 U | | 541000 |
| MANGANESE | P | 2 U | 56300 | 265 | | 2 U | 33 | 2 U |

TABLE D.2.28 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL |
| SAMPLE NUMBER | | INCCB1049 | INCCV1180 | INCCV1290 | INCCV1361 | INCCB1050 | INLRA2168 | INICS1753 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| NICKEL | P | 5 U | | 259 | | 5 U | 90 | 14 B |
| SELENIUM | P | 60 U | | 1130 | | 60 U | 539 | 60 U |
| SILVER | P | 5 U | | 258 | | 5 U | 21 | 5 B |
| SODIUM | P | 200 U | 107000 | | 4600 B | 200 U | | 1800 B |
| VANADIUM | P | 4 U | | 268 | | 4 U | 104 | 4 U |
| ZINC | P | 8 U | | 1540 | | 8 U | 81 | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1771 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ALUMINUM | P | 523000 |
| ANTIMONY | P | |
| ARSENIC | P | |
| BARIUM | P | 453 |
| BERYLLIUM | P | 452 |
| CADMIUM | P | 840 |
| CALCIUM | P | 512000 |
| CHROMIUM | P | 444 |
| COBALT | P | 419 |
| COPPER | P | 481 |
| IRON | P | 228000 |
| LEAD | P | 4360 |
| MAGNESIUM | P | 530000 |
| MANGANESE | P | 438 |
| NICKEL | P | 827 |
| SELENIUM | P | |
| SILVER | P | 918 |
| SODIUM | P | |
| VANADIUM | P | 425 |
| ZINC | P | 885 |
| % SOLIDS | | |

TABLE D.2.29 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502015K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1905 | INLCS2139 | INRAN2302 | INICV1869 | INICB1697 | INPB02246 | INPB02247 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 980 B | 100 U | 0.25 | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | DUPLICATE |
| TYPE OF LOCATION | | SAMPLE | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | |
| SAMPLE NUMBER | | INLCS2103 | IN502026D | IN502037D | IN502048D | IN502059D | IN502060D | IN502060D |
| MATRIX | | SOIL | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | 3 |
| POTASSIUM | FE | 280 | 3000 B | 3100 B | 2700 | 2700 B | 3900 B | 3900 B |
| % SOLIDS | | | 12.9 | 5.9 | 25.6 | 15.8 | 5.2 | 5.2 |

| AREA | METHOD | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | INCCV1181 | INCCB1051 | IN502015D | INCCV1182 | INCCB1052 |
| MATRIX | | WATER | WATER | SEDIM | WATER | WATER |
| UNITS | | UG/L | UG/L | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | | |
| POTASSIUM | FE | 1100 B | 100 U | 4700 | 1000 B | 100 U |
| % SOLIDS | | | | 17.7 | | |

TABLE D.2.30 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN502060C

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN502015C | IN502026C | IN502037C | IN502048C | IN502059C | IN502060C |
| MATRIX | | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 |
| CHROMIUM | P | 6600 N | 5300 N | 3900 N | 6400 N | 1500 N | 3400 N |
| % SOLIDS | | 41.1 | 13.3 | 6.9 | 31.1 | 53.7 | 5.6 |

TABLE D.2.31 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0012 | IN2AA1012 | IN2AA2012 | IN03A0012 | IN03B0012 | IN03A1012 | IN2AA3012 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG\KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.02 B | 0.02 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN2AA4012 | IN0710012 | IN0710012 | IN506020B | IN512039B | IN518013D | IN518035D |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 11 | 19 | 20 | 0.04 | 0.06 | 0.05 | 0.04 |
| % SOLIDS | | | | | 93.1 | 83.5 | 95.2 | 95.1 |

| AREA | METHOD | QA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE |
| TYPE OF LOCATION | | IN03A2012 | IN2AA5012 | IN506031B | IN509023C | IN509023C | IN509023C | IN509023C |
| SAMPLE NUMBER | | WATER | WATER | SOIL | SOIL | SOIL | | SOIL |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | % | MG/KG |
| UNITS | | | | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 0.04 B | 0.05 | 0.05 | 0 | 0.33 |
| % SOLIDS | | | | 93.6 | 94.7 | 94.7 | | |

TABLE D.2.31 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016C DRAFT DO NOT CITE

| AREA | METHOD | QA | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MS % RECOVERY | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN509023C | IN509034C | IN503016C | IN03A3012 | IN2AB4012 | IN503027C | IN503038C |
| MATRIX | | | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | % | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | 3 | 3 |
| MERCURY | CV | 122 | 0.07 | 0.05 | 0.01 U | 10 | 0.05 B | 0.09 |
| % SOLIDS | | | 77.3 | 96.4 | | | 81.7 | 77.5 |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | | |
| SAMPLE NUMBER | | IN03B4012 | IN2AB5012 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| MERCURY | CV | 0.01 U | 10 |
| % SOLIDS | | | |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1826 | INICS1844 | INICV1906 | INICV1952 | INICV1988 | INLCS2140 | INLRA2205 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2303 | INRAN2331 | INICV1870 | INICV1934 | INICV1970 | INICB1698 | INLRA2187 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 10000 | 101000 | 1090 | | 50 U | |
| ANTIMONY | P | 11000 | | | 950 | | 30 U | 104 |
| ARSENIC | P | 20000 | | | 983 | | 60 U | 490 |
| BARIUM | P | 5000 | | | 963 | | 2 U | |
| BERYLLIUM | P | 1500 | | | 245 | | 0.3 U | 9.7 |
| CADMIUM | P | 4000 | | | 239 | | 2 U | 8.9 |
| CALCIUM | P | 20000 | 650000 | | 25800 | 5140 | 100 U | |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2303 | INRAN2331 | INICV1870 | INICV1934 | INICV1970 | INICB1698 | INLRA2187 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 246 | | 5 U | 20 |
| COBALT | P | 10000 | | | 236 | | 3 U | 98 |
| COPPER | P | 10000 | | | 261 | | 10 U | 52 |
| IRON | P | 12000 | 600000 | 107000 | 941 | | 10 U | |
| LEAD | P | 20000 | | | 2320 | | 50 U | 473 |
| MAGNESIUM | P | 11000 | 450000 | 50100 | | 4850 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50000 | 239 | | 2 U | 30 |
| NICKEL | P | 15000 | | | 232 | | 5 U | 81 |
| SELENIUM | P | 20000 | | | 983 | | 60 U | 492 |
| SILVER | P | 10000 | | | 244 | | 5 U | 18 |
| SODIUM | P | 15000 | 600000 | 103000 | | 4650 B | 200 U | |
| VANADIUM | P | 10000 | | | 255 | | 4 U | 42 B |
| ZINC | P | 6000 | | | 1440 | | 8 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1790 | INICS1808 | INPB02248 | INPB02249 | INLCS2104 | IN515010D | IN515021D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| ALUMINUM | P | 509000 | 511000 | 50 U | 59 | 527 | 22700 | 14400 |
| ANTIMONY | P | 30 U | | 30 U | 30 U | 241 | 4.9 UN | 7.2 BN |
| ARSENIC | P | 60 U | | 60 U | 60 U | 962 | 9.8 U | 9.4 U |
| BARIUM | P | 14 B | 445 | 3.4 B | 5.7 B | 7.9 | 219 | 146 |
| BERYLLIUM | P | 6.3 | 442 | 0.3 U | 0.3 U | 20 | 2 E | 1.7 E |
| CADMIUM | P | 2 U | 823 | 2 U | 2 U | 39 | 0.47 B | 0.46 B |
| CALCIUM | P | 487000 | 489000 | 100 U | 100 U | 214000 | 40400 | 71300 |
| CHROMIUM | P | 18 | 437 | 5 U | 5 U | 90 | 57 E | 29 E |
| COBALT | P | 5.2 B | 411 | 3 U | 3 U | 128 | 11 | 7.1 B |
| COPPER | P | 10 U | 477 | 10 U | 10 U | 7280 | 38 | 21 |
| IRON | P | 222000 | 222000 | 37 B | 40 B | 22700 | 29900 | 17800 |
| LEAD | P | 50 U | 4340 | 50 U | 50 U | 197 | 12 B | 7.9 U |
| MAGNESIUM | P | 516000 | 517000 | 13 B | 10 U | 128000 | 12900 E | 11800 E |
| MANGANESE | P | 2 U | 423 | 2 U | 2 U | 190 | 625 E | 297 E |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1790 | INICS1808 | INPB02248 | INPB02249 | INLCS2104 | IN515010D | IN515021D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| NICKEL | P | 11 B | 800 | 5 U | 5 U | 55 | 42 | 27 |
| SELENIUM | P | 60 U | | 60 U | 60 U | 37 | 9.8 U | 9.4 U |
| SILVER | P | 7.4 B | 895 | 5 U | 5 U | 26 | 0.91 B | 0.79 U |
| SODIUM | P | 1750 B | | 412 B | 683 B | 710 | 885 | 736 B |
| VANADIUM | P | 4 U | 424 | 4 U | 4 U | 60 | 53 E | 36 E |
| ZINC | P | 8 U | 874 | 19 B | 154 | 187 | 91 | 61 |
| % SOLIDS | | | | | | | 82.4 | 83.6 |

| AREA | METHOD | QA | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | SERIAL | SD % |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | DILUTION | DIFFERENCE |
| SAMPLE NUMBER | | INCCV1183 | INCCV1291 | INCCV1362 | INCCB1053 | IN512017C | IN512017C | IN512017C |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| ALUMINUM | P | 100000 | 1090 | | 50 U | 20900 | 21300 | 1.9 |
| ANTIMONY | P | | 966 | | 30 U | 4.9 UN | 90 | |
| ARSENIC | P | | 994 | | 60 U | 9.8 U | 49 U | |
| BARIUM | P | | 976 | | 2 U | 272 | 288 | 5.9 |
| BERYLLIUM | P | | 246 | | 0.3 U | 2.1 E | 3.8 | 81 |
| CADMIUM | P | | 242 | | 2 U | 0.6 B | 1.6 U | |
| CALCIUM | P | | 26300 | 5120 | 100 U | 49700 | 51800 | 4.2 |
| CHROMIUM | P | | 246 | | 5 U | 39 E | 45 | 15 |
| COBALT | P | | 237 | | 3 U | 11 | 10 | |
| COPPER | P | | 262 | | 10 U | 29 | 30 | |
| IRON | P | 105000 | 952 | | 10 U | 26600 | 28400 | 6.8 |
| LEAD | P | | 2310 | | 50 U | 17 B | 41 U | |
| MAGNESIUM | P | 49800 | | 4750 B | 10 U | 12200 E | 13500 | 11 |
| MANGANESE | P | 51000 | 242 | | 2 U | 553 E | 429 | 22 |
| NICKEL | P | | 237 | | 5 U | 40 | 22 | |
| SELENIUM | P | | 1010 | | 60 U | 9.8 U | 49 U | |
| SILVER | P | | 240 | | 5 U | 0.98 B | 4.1 U | |
| SODIUM | P | 100000 | | 4500 B | 200 U | 805 B | 495 B | |
| VANADIUM | P | | 251 | | 4 U | 52 E | 64 | 23 |
| ZINC | P | | 1450 | | 8 U | 119 | 129 | 8.4 |
| % SOLIDS | | | | | | 81.6 | 81.6 | |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN512017C | IN512017C | IN512017C | IN512017C | IN515032D | IN512028C | IN512039C |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | % | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 23000 | 9.6 | 23400 | | 16400 | 14500 | 19900 |
| ANTIMONY | P | 4.9 U | | 20 | 23 | 7.4 BN | 5.5 BN | 4.9 BN |
| ARSENIC | P | 9.8 U | | 86 | 104 | 13 B | 11 B | 11 B |
| BARIUM | P | 282 | 3.6 | 587 | 95 | 191 | 214 | 261 |
| BERYLLIUM | P | 2.1 | 0 | 10 | 95 | 1.9 E | 1.8 E | 2 E |
| CADMIUM | P | 0.68 B | | 7.6 | 84 | 0.78 B | 0.5 B | 0.78 B |
| CALCIUM | P | 49500 | 0.4 | 49500 | | 98600 | 75500 | 66900 |
| CHROMIUM | P | 43 | 9.8 | 72 | 100 | 37 E | 30 E | 37 E |
| COBALT | P | 11 | 0 | 84 | 88 | 6.6 B | 7.9 B | 9.1 |
| COPPER | P | 29 | 0 | 67 | 93 | 21 | 20 | 24 |
| IRON | P | 27500 | 3.3 | 27300 | | 18300 | 19000 | 23300 |
| LEAD | P | 18 B | | 95 | 94 | 10 B | 12 B | 13 B |
| MAGNESIUM | P | 12400 | 1.6 | 12400 | | 13900 E | 13000 E | 12900 E |
| MANGANESE | P | 574 | 3.7 | 646 | 112 | 473 E | 650 E | 695 E |
| NICKEL | P | 42 | 4.9 | 117 | 93 | 29 | 31 | 37 |
| SELENIUM | P | 9.8 U | | 73 | 88 | 9.4 U | 9.6 U | 9.5 U |
| SILVER | P | 1.2 B | | 8.7 | 92 | 0.89 B | 0.84 B | 0.92 B |
| SODIUM | P | 877 | 72 | 693 B | | 647 B | 654 B | 708 B |
| VANADIUM | P | 59 | 13 | 135 | 100 | 43 E | 42 E | 51 E |
| ZINC | P | 122 | 2.5 | 194 | 90 | 91 | 85 | 103 |
| % SOLIDS | | 81.6 | | 81.6 | | 85.3 | 82.8 | 84.1 |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN518013E | IN518035E | IN506020C | INCCV1184 | INCCV1292 | INCCV1363 | INCCB1054 |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | | |
| ALUMINUM | P | 8330 | 6900 | 14100 | 100000 | 1120 | | 50 U |
| ANTIMONY | P | 4.2 UN | 5.6 BN | 5.7 BN | | 989 | | 30 U |
| ARSENIC | P | 8.4 U | 8.4 U | 8.5 U | | 986 | | 60 U |
| BARIUM | P | 141 | 151 | 191 | | 980 | | 2 U |
| BERYLLIUM | P | 1.1 E | 1.1 E | 1.4 E | | 246 | | 0.3 U |
| CADMIUM | P | 0.28 U | 0.28 U | 0.28 U | | 244 | | 2 U |
| CALCIUM | P | 13500 | 22900 | 6880 | | 26300 | 5180 | 100 U |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D

DRAFT DO NOT CITE

| AREA | METHOD | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND | QA CONTINUING CAL BLANK |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | IN518013E | IN518035E | IN506020C | INCCV1184 | INCCV1292 | INCCV1363 | INCCB1054 |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | WATER | WATER | WATER | WATER |
| MATRIX | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 3 | 3 | 3 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 25 E | 21 E | 34 E | | 248 | | 5 U |
| COBALT | P | 5.3 B | 3.9 B | 7.9 | | 237 | | 3 U |
| COPPER | P | 16 | 17 | 27 | | 263 | | 10 U |
| IRON | P | 15100 | 12500 | 22500 | 105000 | 953 | | 10 U |
| LEAD | P | 7.6 B | 7 U | 12 B | | 2320 | | 50 U |
| MAGNESIUM | P | 5600 E | 4380 E | 7250 E | 50000 | | 4750 B | 10 U |
| MANGANESE | P | 215 E | 173 E | 429 E | 52300 | 244 | | 2 U |
| NICKEL | P | 23 | 18 | 32 | | 244 | | 5 U |
| SELENIUM | P | 8.4 U | 8.4 U | 8.5 U | | 1020 | | 60 U |
| SILVER | P | 0.7 U | 0.7 U | 0.71 U | | 238 | | 5 U |
| SODIUM | P | 425 B | 299 B | 306 B | 98300 | | 4680 B | 200 U |
| VANADIUM | P | 38 E | 34 E | 45 E | | 249 | | 4 U |
| ZINC | P | 52 | 49 | 84 | | 1450 | | 8 U |
| % SOLIDS | | 94.7 | 94.9 | 93.7 | | | | |

| AREA | METHOD | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN506031C | IN509012D | IN509023D | IN509034D | IN503016D | IN503027D | IN503038D |
| SAMPLE NUMBER | | SOIL | SEDIM | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 23800 | 34400 | 8920 | 25000 | 9790 | 26400 | 20000 |
| ANTIMONY | P | 5.3 UN | 7.1 BN | 5.2 BN | 5.3 UN | 4.5 BN | 6.7 BN | 5.1 BN |
| ARSENIC | P | 11 B | 10 U | 8.4 U | 11 B | 8.4 U | 10 U | 9.9 U |
| BARIUM | P | 283 | 547 | 178 | 325 | 179 | 378 | 271 |
| BERYLLIUM | P | 2.1 E | 2.8 E | 1.2 E | 2.4 E | 1.3 E | 2.2 E | 1.9 E |
| CADMIUM | P | 0.44 B | 0.35 U | 0.28 U | 0.44 B | 0.28 U | 0.33 U | 0.4 B |
| CALCIUM | P | 8610 | 24300 | 12600 | 43400 | 19800 | 33000 | 61400 |
| CHROMIUM | P | 43 E | 61 E | 30 E | 55 E | 36 E | 48 E | 33 E |
| COBALT | P | 13 | 18 | 4.9 B | 12 | 5.7 B | 12 | 12 |
| COPPER | P | 42 | 52 | 17 | 39 | 18 | 30 | 27 |
| IRON | P | 32700 | 46300 | 16100 | 32800 | 18000 | 31800 | 27000 |
| LEAD | P | 26 B | 34 B | 7 U | 26 B | 7 U | 16 B | 8.2 U |
| MAGNESIUM | P | 11600 E | 18500 E | 4580 E | 11900 E | 5310 E | 12800 E | 12500 E |
| MANGANESE | P | 728 E | 1080 E | 209 E | 631 E | 252 E | 648 E | 594 E |

TABLE D.2.32 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016D

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN506031C | IN509012D | IN509023D | IN509034D | IN503016D | IN503027D | IN503038D |
| MATRIX | | SOIL | SEDIM | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| NICKEL | P | 49 | 59 | 20 | 46 | 23 | 44 | 39 |
| SELENIUM | P | 11 U | 10 U | 8.4 U | 10 U | 8.4 U | 10 U | 9.9 U |
| SILVER | P | 1 B | 1.9 | 0.7 U | 1.3 B | 0.7 U | 1.3 B | 1 B |
| SODIUM | P | 362 B | 1240 | 537 B | 1520 | 455 B | 1110 | 1600 |
| VANADIUM | P | 67 E | 95 E | 39 E | 79 E | 39 E | 70 E | 46 E |
| ZINC | P | 142 | 197 | 50 | 151 | 53 | 109 | 66 |
| % SOLIDS | | 74.8 | 75.9 | 94.3 | 76.1 | 96 | 80.3 | 80.7 |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1185 | INCCV1293 | INCCV1364 | INCCB1055 | INLRA2169 | INICS1754 | INICS1772 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 100000 | 1100 | | 50 U | | 512000 | 517000 |
| ANTIMONY | P | | 974 | | 30 U | 142 | 30 U | 30 U |
| ARSENIC | P | | 992 | | 60 U | 495 | 60 U | 60 U |
| BARIUM | P | | 973 | | 2 U | | 14 B | 445 |
| BERYLLIUM | P | | 246 | | 0.3 U | 9.2 | 6.4 | 444 |
| CADMIUM | P | | 240 | | 2 U | 9.8 | 2 U | 826 |
| CALCIUM | P | | 26200 | 5120 | 100 U | | 492000 | 493000 |
| CHROMIUM | P | | 246 | | 5 U | 20 | 19 | 438 |
| COBALT | P | | 235 | | 3 U | 97 | 5.6 B | 412 |
| COPPER | P | | 263 | | 10 U | 52 | 10 U | 483 |
| IRON | P | 105000 | 954 | | 10 U | | 221000 | 222000 |
| LEAD | P | | 2290 | | 50 U | 486 | 50 U | 4330 |
| MAGNESIUM | P | 49800 | | 4770 B | 10 U | | 521000 | 525000 |
| MANGANESE | P | 51500 | 243 | | 2 U | 30 | 2 U | 427 |
| NICKEL | P | | 238 | | 5 U | 84 | 9.6 B | 810 |
| SELENIUM | P | | 1000 | | 60 U | 514 | 60 U | 60 U |
| SILVER | P | | 240 | | 5 U | 20 | 6.9 B | 889 |
| SODIUM | P | 99700 | | 4560 B | 200 U | | 1750 B | 1780 B |
| VANADIUM | P | | 251 | | 4 U | 96 | 4 U | 423 |
| ZINC | P | | 1450 | | 8 U | 42 | 8 U | 879 |
| % SOLIDS | | | | | | | | |

TABLE D.2.33 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1907 | INLCS2141 | INRAN2304 | INICV1871 | INICB1701 | INPB02250 | INPB02251 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 1000 B | 100 U | 0.27 | 0.3 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | WASTE POND | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | INLCS2105 | INCCV1186 | INCCB1056 | IN512039C | INCCV1187 | INCCB1057 | IN515010D |
| MATRIX | | SOIL | WATER | WATER | SOIL | WATER | WATER | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | | | | 3 | | | 3 |
| POTASSIUM | FE | 330 | 990 B | 100 U | 3600 | 990 B | 100 U | 3200 |
| % SOLIDS | | | | | 84.1 | | | 82.4 |

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | DUPLICATE | DUPLICATE | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | | RPD | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN515021D | IN512017C | IN512017C | IN512017C | IN515032D | IN512028C | IN518013E |
| MATRIX | | SOIL | SOIL | SOIL | | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | % | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| POTASSIUM | FE | 2200 | 3300 | 3900 | 600 | 3200 | 2500 | 1500 |
| % SOLIDS | | 83.6 | 81.6 | 81.6 | | 85.3 | 82.8 | 94.7 |

TABLE D.2.33 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503016K

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN518035E | IN506020C | INCCV1188 | INCCB1058 | IN506031C | IN509023D | IN503016D |
| MATRIX | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | | | 3 | 3 | 3 |
| POTASSIUM | FE | 1300 | 2100 | 990 B | 100 U | 3400 | 1700 | 1900 |
| % SOLIDS | | 94.9 | 93.7 | | | 74.8 | 94.3 | 96 |

| AREA | METHOD | | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK | |
| SAMPLE NUMBER | | IN503027D | IN503038D | IN509012D | IN509034D | INCCV1189 | INCCB1059 | |
| MATRIX | | SOIL | SOIL | SEDIM | SOIL | WATER | WATER | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| POTASSIUM | FE | 3900 | 2000 | 8300 | 4700 | 960 B | 100 U | |
| % SOLIDS | | 80.3 | 80.7 | 75.9 | 76.1 | | | |

TABLE D.2.34 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050F

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0013 | IN2AA1013 | IN2AA2013 | IN03A0013 | IN03B0013 | IN03A1013 | IN2AA3013 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.06 B | 0.04 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE | MATRIX SPIKE |
| TYPE OF LOCATION | | IN2AA4013 | IN0710013 | IN0710013 | IN506053E | IN503050F | IN503050F | IN503050F |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 11 | 10 | 10 | 0.04 BN | 0.04 BN | 0.04 B | 2.5 N |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | MS % RECOVERY | CONTINUING CAL BLANK | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | IN503050F | IN03A2013 | IN2AA5013 |
| SAMPLE NUMBER | | | WATER | WATER |
| MATRIX | | % | UG/L | UG/L |
| UNITS | | 3 | | |
| ENV PROBLEM NO | | | | |
| MERCURY | CV | 244 | 0.01 U | 10 |
| % SOLIDS | | | | |

TABLE D.2.35 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050G

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1827 | INICS1845 | INICV1908 | INICV1953 | INICV1989 | INLCS2142 | INLRA2206 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 1040 | |
| ANTIMONY | P | | | | 1000 | | 10000 | 120 |
| ARSENIC | P | | | | 1000 | | 10000 | 500 |
| BARIUM | P | | 483 | | 1000 | | 1000 | |
| BERYLLIUM | P | | 474 | | 250 | | 250 | 10 |
| CADMIUM | P | | 909 | | 246 | | 246 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 25100 | |
| CHROMIUM | P | | 513 | | 251 | | 251 | 20 |
| COBALT | P | | 478 | | 249 | | 249 | 100 |
| COPPER | P | | 534 | | 260 | | 260 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 1040 | |
| LEAD | P | | 4850 | | 2480 | | 2480 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 12800 | |
| MANGANESE | P | | 470 | 50800 | 252 | | 252 | 30 |
| NICKEL | P | | 916 | | 242 | | 242 | 80 |
| SELENIUM | P | | | | 1000 | | 10000 | 500 |
| SILVER | P | | 934 | | 242 | | 242 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 25700 | |
| VANADIUM | P | | 475 | | 252 | | 252 | 100 |
| ZINC | P | | 973 | | 1460 | | 1460 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2305 | INRAN2332 | INICV1872 | INICV1935 | INICV1971 | INICB1702 | INLRA2188 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 98500 | 1090 | | 50 U | |
| ANTIMONY | P | 11000 | | | 954 | | 30 U | 121 |
| ARSENIC | P | 20000 | | | 986 | | 60 U | 482 |
| BARIUM | P | 5000 | | | 972 | | 2 U | |
| BERYLLIUM | P | 1500 | | | 249 | | 0.3 U | 9.3 |
| CADMIUM | P | 4000 | | | 245 | | 2 U | 11 |
| CALCIUM | P | 20000 | 650000 | | 26100 | 5140 | 100 U | |

TABLE D.2.35 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050G

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | INICV1872 | INICV1935 | INICV1971 | INICB1702 | INLRA2188 |
| SAMPLE NUMBER | | INRAN2305 | INRAN2332 | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | WATER | WATER | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | UG/L | UG/L | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 248 | | 5 U | 21 |
| COBALT | P | 10000 | | | 238 | | 3 U | 98 |
| COPPER | P | 10000 | | | 263 | | 10 U | 53 |
| IRON | P | 12000 | 600000 | 104000 | 957 | | 10 U | |
| LEAD | P | 20000 | | | 2300 | | 50 U | 471 |
| MAGNESIUM | P | 11000 | 450000 | 48800 | | 4730 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50400 | 244 | | 2 U | 30 |
| NICKEL | P | 15000 | | | 234 | | 5 U | 82 |
| SELENIUM | P | 20000 | | | 1050 | | 60 U | 527 |
| SILVER | P | 10000 | | | 240 | | 5 U | 21 |
| SODIUM | P | 15000 | 600000 | 100000 | | 4990 B | 200 U | |
| VANADIUM | P | 10000 | | | 251 | | 4 U | 97 |
| ZINC | P | 6000 | | | 1440 | | 8 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | PM-2A TANK TANK | PM-2A TANK TANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICS1791 | INICS1809 | INPB02252 | INPB02253 | INLCS2106 | IN827653A | IN827664A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| ALUMINUM | P | 508000 | 510000 | 50 U | 50 U | 1120 | 285 | 271 |
| ANTIMONY | P | 30 U | | 30 U | 30 U | 9580 | 30 U | 30 U |
| ARSENIC | P | 60 U | | 60 U | 60 U | 9980 | 60 U | 60 U |
| BARIUM | P | 15 B | 460 | 2 U | 2 U | 999 | 61 B | 12 B |
| BERYLLIUM | P | 6.2 | 446 | 0.3 U | 0.3 U | 262 | 2.3 B | 0.3 U |
| CADMIUM | P | 4.9 B | 861 | 2 U | 2 U | 249 | 2 U | 2 U |
| CALCIUM | P | 489000 | 491000 | 100 U | 100 U | 26700 | 59700 | 1260 B |
| CHROMIUM | P | 20 | 443 | 5 U | 5 U | 257 | 18 | 6.2 B |
| COBALT | P | 6.5 B | 418 | 3 U | 3 U | 243 | 3 U | 3 U |
| COPPER | P | 10 U | 481 | 10 U | 10 U | 270 | 13 B | 49 |
| IRON | P | 222000 | 223000 | 20 B | 25 B | 980 | 103 | 237 |
| LEAD | P | 50 U | 4260 | 50 U | 50 U | 2310 | 50 U | 50 U |
| MAGNESIUM | P | 515000 | 529000 | 10 U | 10 U | 13600 | 21900 | 207 B |
| MANGANESE | P | 2 U | 425 | 2 U | 2 U | 247 | 3.2 B | 6.4 B |

TABLE D.2.35 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050G

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | TANK | TANK |
| SAMPLE NUMBER | | INICS1791 | INICS1809 | INPB02252 | INPB02253 | INLCS2106 | IN827653A | IN827664A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| NICKEL | P | 16 B | 816 | 5 U | 5 U | 246 | 5 U | 5 U |
| SELENIUM | P | 60 U | | 60 U | 60 U | 9900 | 60 U | 60 U |
| SILVER | P | 6.6 B | 890 | 5 U | 5 U | 245 | 5 U | 5 U |
| SODIUM | P | 2090 B | | 200 U | 200 U | 22700 | 18800 | 200 U |
| VANADIUM | P | 4 U | 418 | 4 U | 4 U | 256 | 17 B | 4 U |
| ZINC | P | 8 U | 888 | 9.2 B | 9.1 B | 1480 | 338 | 78 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | SERIAL |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | DILUTION |
| SAMPLE NUMBER | | IN506053F | INCCV1190 | INCCV1294 | INCCV1365 | INCCB1060 | IN503050G | IN503050G |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | | | 3 | 3 |
| ALUMINUM | P | 314 | 100000 | 1110 | | 50 U | 50 U | 250 U |
| ANTIMONY | P | 30 U | | 976 | | 30 U | 30 U | 150 U |
| ARSENIC | P | 60 U | | 996 | | 60 U | 60 U | 300 U |
| BARIUM | P | 5.4 B | | 984 | | 2 U | 2 U | 10 U |
| BERYLLIUM | P | 0.3 U | | 250 | | 0.3 U | 0.3 U | 1.5 U |
| CADMIUM | P | 2 U | | 246 | | 2 U | 2 U | 10 U |
| CALCIUM | P | 501 B | | 26300 | 5200 | 100 U | 105 B | 500 U |
| CHROMIUM | P | 5 U | | 251 | | 5 U | 5 U | 25 U |
| COBALT | P | 3 U | | 240 | | 3 U | 3 U | 15 U |
| COPPER | P | 10 U | | 265 | | 10 U | 10 U | 50 U |
| IRON | P | 214 | 106000 | 967 | | 10 U | 26 B | 50 U |
| LEAD | P | 50 U | | 2300 | | 50 U | 50 U | 250 U |
| MAGNESIUM | P | 150 B | 49500 | | 4780 B | 10 U | 19 B | 50 U |
| MANGANESE | P | 4 B | 51400 | 245 | | 2 U | 2 U | 10 U |
| NICKEL | P | 5 U | | 241 | | 5 U | 5 U | 25 U |
| SELENIUM | P | 60 U | | 1040 | | 60 U | 60 U | 300 U |
| SILVER | P | 5 U | | 243 | | 5 U | 5 U | 25 U |
| SODIUM | P | 200 U | 101000 | | 4970 B | 200 U | 200 U | 1000 U |
| VANADIUM | P | 4 U | | 252 | | 4 U | 4 U | 20 U |
| ZINC | P | 58 | | 1450 | | 8 U | 33 | 40 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.35 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050G

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | | | | | INCCV1191 | INCCV1295 | INCCV1366 |
| SAMPLE NUMBER | | IN503050G | IN503050G | IN503050G | IN503050G | WATER | WATER | WATER |
| MATRIX | | WATER | | WATER | | UG/L | UG/L | UG/L |
| UNITS | | UG/L | % | UG/L | % | | | |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| ALUMINUM | P | 50 U | | 2040 | 102 | 99000 | 1110 | |
| ANTIMONY | P | 30 U | | 494 | 99 | | 962 | |
| ARSENIC | P | 60 U | | 513 | 103 | | 982 | |
| BARIUM | P | 2 U | | 2040 | 102 | | 982 | |
| BERYLLIUM | P | 0.3 U | | 52 | 104 | | 248 | |
| CADMIUM | P | 2 U | | 50 | 100 | | 245 | |
| CALCIUM | P | 105 B | | 103 B | | | 26200 | 5230 |
| CHROMIUM | P | 5 U | | 210 | 105 | | 249 | |
| COBALT | P | 3 U | | 507 | 101 | | 238 | |
| COPPER | P | 10 U | | 269 | 108 | | 265 | |
| IRON | P | 25 B | | 1030 | 100 | 105000 | 958 | |
| LEAD | P | 50 U | | 516 | 103 | | 2270 | |
| MAGNESIUM | P | 18 B | | 16 B | | 49200 | | 4720 B |
| MANGANESE | P | 2 U | | 511 | 102 | 52100 | 245 | |
| NICKEL | P | 5 U | | 510 | 102 | | 241 | |
| SELENIUM | P | 60 U | | 533 | 107 | | 1050 | |
| SILVER | P | 5 U | | 52 | 104 | | 238 | |
| SODIUM | P | 200 U | | 200 U | | 98800 | | 4840 B |
| VANADIUM | P | 4 U | | 487 | 97 | | 248 | |
| ZINC | P | 31 | 1 | 522 | 98 | | 1450 | |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CRDL STAND FINAL | INTER CHK SOL. A FINAL | INTER CHK SOL. AB FINA |
| TYPE OF LOCATION | | INCCB1061 | INLRA2170 | INICS1755 | INICS1773 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | |
| ENV PROBLEM NO | | | | | |
| ALUMINUM | P | 50 U | | 507000 | 505000 |
| ANTIMONY | P | 30 U | 124 | 40 | |
| ARSENIC | P | 60 U | 467 | 60 U | |
| BARIUM | P | 2 U | | 15 B | 444 |
| BERYLLIUM | P | 0.3 U | 9.3 | 6 | 440 |
| CADMIUM | P | 2 U | 10 | 4.4 B | 823 |
| CALCIUM | P | 100 U | | 487000 | 485000 |

TABLE D.2.35 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050G

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1061 | INLRA2170 | INICS1755 | INICS1773 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | P | 5 U | 20 | 19 | 437 |
| COBALT | P | 3 U | 100 | 6.8 B | 414 |
| COPPER | P | 10 U | 52 | 10 U | 477 |
| IRON | P | 10 U | | 220000 | 219000 |
| LEAD | P | 50 U | 495 | 50 U | 4190 |
| MAGNESIUM | P | 10 U | | 514000 | 513000 |
| MANGANESE | P | 2 U | 31 | 2 U | 423 |
| NICKEL | P | 5 U | 84 | 16 B | 805 |
| SELENIUM | P | 60 U | 519 | 60 U | |
| SILVER | P | 5 U | 20 | 9.1 B | 869 |
| SODIUM | P | 200 U | | 2060 B | |
| VANADIUM | P | 4 U | 96 | 4 U | 408 |
| ZINC | P | 8 U | 42 | 106 | 862 |
| % SOLIDS | | | | | |

TABLE D.2.36 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN503050K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | LAB CONTROL SAMPLE TRUE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL BLANK | PREP BLANK | PREP BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICV1909 | INLCS2143 | INRAN2306 | INICV1873 | INICB1705 | INPB02254 | INPB02255 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 10000 | 8000 | 970 B | 100 U | 150 B | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | TRA 1952 | TRA 1952 | DUPLICATE | LAB CONTROL SAMPLE | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | TANK | TANK | WASTE POND | WASTE POND | | | |
| SAMPLE NUMBER | | IN827653A | IN827664A | IN506053F | IN503050G | IN503050G | INLCS2107 | INCCV1192 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 3 | 3 | 3 | | |
| POTASSIUM | FE | 3400 B | 100 | 100 | 150 B | 100 U | 9900 | 990 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | |
| SAMPLE NUMBER | | INCCB1062 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| POTASSIUM | FE | 100 U |
| % SOLIDS | | |

TABLE D.2.37 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN504017A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0014 | IN2AA1014 | IN2AA2014 | IN03A0014 | IN03B0014 | IN03A1014 | IN2AA3014 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 9.9 | 0.03 B | 0.03 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4014 | IN0710014 | IN0710014 | IN522075F | IN504017A | IN504028A | IN504028A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 9.8 | 10 | 10 | 0.02 B | 0.03 B | 0.03 B | 0.03 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2014 | IN2AA5014 | IN504039A | IN504040A | IN504051A | IN504051A | IN504051A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 0.02 U | 9.8 | 0.02 B | 0.03 B | 0.03 B | 0.98 | 92 |
| % SOLIDS | | | | | | | | |

TABLE D.2.37 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN504017A

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN504062A | IN03A3014 | IN2AB4013 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | |
| MERCURY | CV | 0.03 B | 0.02 U | 9.9 |
| % SOLIDS | | | | |

TABLE D.2.38 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018B DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0015 | IN2AA1015 | IN2AA2015 | IN03A0015 | IN03B0015 | IN03A1015 | IN2AA3015 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.01 B | 0.01 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN2AA4015 | IN0710015 | IN0710015 | IN520017C | IN520028C | IN520039C | IN520040C |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 19 | 19 | 0.18 | 0.42 | 0.09 | 0.23 |
| % SOLIDS | | | | | 58.5 | 82.2 | 57.8 | 59.5 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN03A2015 | IN2AA5015 | IN520051C | IN520062C | IN505018B | IN505029B | IN505030B |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 0.02 U | 10 | 0.17 | 0.07 | 0.55 | 0.66 | 0.24 |
| % SOLIDS | | | | 68.2 | 57 | 80.4 | 79.8 | 68.4 |

TABLE D.2.38 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018B

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | DUPLICATE | DUPLICATE |
| TYPE OF LOCATION | | WASTE POND | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | | RPD |
| SAMPLE NUMBER | | IN505041B | IN03A3015 | IN2AB4014 | IN505052B | IN505063B | IN505063B | IN505063B |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 3 | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 1.2 | 0.02 U | 9.9 | 0.52 | 0.35 | 0.34 | 2.9 |
| % SOLIDS | | 61.8 | | | 60.8 | 63.2 | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SPIKE | RECOVERY | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN505063B | IN505063B | IN03B4015 | IN2AB5014 |
| MATRIX | | SOIL | | WATER | WATER |
| UNITS | | MG/KG | % | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | |
| MERCURY | CV | 0.64 | 107 | 0.02 U | 10 |
| % SOLIDS | | | | | |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | LAB CONTROL |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | SAMPLE TRUE |
| SAMPLE NUMBER | | INICS1828 | INICS1846 | INICV1910 | INICV1954 | INICV1990 | INLCS2144 | INLCS2145 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | 325 |
| ANTIMONY | P | | | | 1000 | | 211 | 211 |
| ARSENIC | P | | | | 1000 | | 917 | 917 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | 4.8 |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 19 |
| CADMIUM | P | | 909 | | 246 | | 45 | 45 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | 196000 |
| CHROMIUM | P | | 513 | | 251 | | 100 | 100 |
| COBALT | P | | 478 | | 249 | | 144 | 144 |
| COPPER | P | | 534 | | 260 | | 6910 | 6910 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | 22400 |
| LEAD | P | | 4850 | | 2480 | | 236 | 236 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | 118000 |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 208 |
| NICKEL | P | | 916 | | 242 | | 61 | 61 |
| SELENIUM | P | | | | 1000 | | 39 | 39 |
| SILVER | P | | 934 | | 242 | | 22 | 22 |
| SODIUM | P | | | 100000 | | 5000 | 50 | 50 |
| VANADIUM | P | | 475 | | 252 | | 66 | 66 |
| ZINC | P | | 973 | | 1460 | | 187 | 187 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | TRUE | | | FOUND A | FOUND B | FOUND C | BLANK |
| SAMPLE NUMBER | | INLRA2207 | INRAN2307 | INRAN2333 | INICV1874 | INICV1936 | INICV1972 | INICB1706 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | | 10000 | 800000 | 98100 | 1100 | | 50 U |
| ANTIMONY | P | 120 | 10000 | | | 988 | | 50 U |
| ARSENIC | P | 500 | 20000 | | | 1050 | | 60 U |
| BARIUM | P | | 5000 | | | 968 | | 1 U |
| BERYLLIUM | P | 10 | 1500 | | | 251 | | 0.3 U |
| CADMIUM | P | 10 | 5000 | | | 240 | | 1 U |
| CALCIUM | P | | 20000 | 800000 | | 25700 | 5160 | 150 U |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | TRUE | | | FOUND A | FOUND B | FOUND C | BLANK |
| SAMPLE NUMBER | | INLRA2207 | INRAN2307 | INRAN2333 | INICV1874 | INICV1936 | INICV1972 | INICB1706 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 20 | 10000 | | | 249 | | 5 U |
| COBALT | P | 100 | 10000 | | | 239 | | 2 U |
| COPPER | P | 50 | 10000 | | | 251 | | 10 U |
| IRON | P | | 12000 | 1000000 | 105000 | 953 | | 20 U |
| LEAD | P | 500 | 20000 | | | 2340 | | 30 U |
| MAGNESIUM | P | | 12000 | 500000 | 49600 | | 4850 B | 10 U |
| MANGANESE | P | 30 | 2000 | 200000 | 49300 | 246 | | 5 U |
| NICKEL | P | 80 | 15000 | | | 235 | | 6 U |
| SELENIUM | P | 500 | 10000 | | | 967 | | 50 U |
| SILVER | P | 20 | 10000 | | | 246 | | 6 U |
| SODIUM | P | | 25000 | 900000 | 102000 | | 5070 | 170 U |
| VANADIUM | P | 100 | 10000 | | | 251 | | 4 U |
| ZINC | P | 40 | 6000 | | | 1460 | | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 |
| TYPE OF LOCATION | | INITIAL | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND |
| SAMPLE NUMBER | | INLRA2189 | INICS1792 | INICS1810 | INPB02256 | INPB02257 | INLCS2108 | IN520017D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | 3 |
| ALUMINUM | P | | 514000 | 516000 | 55 B | 50 U | 493 | 16100 |
| ANTIMONY | P | 126 | 50 U | | 50 U | 50 U | 208 | 17 UN |
| ARSENIC | P | 511 | 60 U | | 60 U | 60 U | 948 | 0.2 U |
| BARIUM | P | | 10 B | 441 | 2.5 B | 2.3 B | 7 | 186 |
| BERYLLIUM | P | 10 | 4 B | 442 | 0.3 U | 0.3 U | 19 | 2.2 |
| CADMIUM | P | 10 | 1.9 B | 824 | 1 U | 1 U | 39 | 0.83 B |
| CALCIUM | P | | 492000 | 497000 | 150 U | 150 U | 220000 | 46300 |
| CHROMIUM | P | 20 | 18 | 436 | 5 U | 5 U | 91 | 52 |
| COBALT | P | 99 | 5.6 B | 404 | 2 U | 2 U | 128 | 7.5 B |
| COPPER | P | 51 | 10 U | 488 | 10 U | 10 U | 7080 | 36 |
| IRON | P | | 222000 | 222000 | 20 U | 20 U | 20600 | 20200 |
| LEAD | P | 496 | 30 U | 4010 | 30 U | 30 U | 188 | 20 B |
| MAGNESIUM | P | | 518000 | 517000 | 10 U | 10 U | 131000 | 13000 |
| MANGANESE | P | 31 | 7.7 B | 441 | 5 U | 5 U | 201 | 233 E |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 |
| TYPE OF LOCATION | | INITIAL | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND |
| SAMPLE NUMBER | | INLRA2189 | INICS1792 | INICS1810 | INPB02256 | INPB02257 | INLCS2108 | IN520017D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | 3 |
| NICKEL | P | 80 | 12 B | 787 | 6 U | 6 U | 54 | 27 |
| SELENIUM | P | 493 | 50 U | | 50 U | 50 U | 39 | 17 U |
| SILVER | P | 19 | 6.1 B | 920 | 6 U | 6 U | 24 | 2.8 B |
| SODIUM | P | | 1110 B | | 170 U | 170 U | 544 | 667 B |
| VANADIUM | P | 98 | 4 U | 418 | 4 U | 4 U | 62 | 39 E |
| ZINC | P | 48 | 8 U | 876 | 8 U | 8 U | 175 | 170 |
| % SOLIDS | | | | | | | | 40.6 |

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN520028D | IN520039D | INCCV1193 | INCCV1296 | INCCV1367 | INCCB1063 | IN520040D |
| MATRIX | | SEDIM | SEDIM | WATER | WATER | WATER | WATER | SEDIM |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | | | | | 3 |
| ALUMINUM | P | 13600 | 10300 | 101000 | 1120 | | 50 U | 14200 |
| ANTIMONY | P | 8.6 UN | 11 UN | | 1000 | | 50 U | 10 UN |
| ARSENIC | P | 10 U | 13 U | | 1070 | | 60 U | 12 U |
| BARIUM | P | 149 | 122 | | 981 | | 1.1 B | 149 |
| BERYLLIUM | P | 1.6 | 1.6 | | 253 | | 0.3 U | 1.7 |
| CADMIUM | P | 1.1 | 0.43 B | | 242 | | 1 U | 0.35 B |
| CALCIUM | P | 55400 | 60900 | | 26500 | 5190 | 150 U | 40200 |
| CHROMIUM | P | 956 | 24 | | 253 | | 5 U | 48 |
| COBALT | P | 6.1 B | 5 B | | 241 | | 2 U | 6.5 B |
| COPPER | P | 30 | 13 | | 252 | | 10 U | 21 |
| IRON | P | 15500 | 13100 | 106000 | 970 | | 20 U | 17600 |
| LEAD | P | 9.4 B | 9.5 B | | 2380 | | 30 U | 12 B |
| MAGNESIUM | P | 14700 | 13900 | 50500 | | 4900 B | 10 U | 11600 |
| MANGANESE | P | 244 E | 238 E | 50200 | 248 | | 5 U | 202 E |
| NICKEL | P | 20 | 17 | | 238 | | 6 U | 22 |
| SELENIUM | P | 8.6 U | 11 U | | 980 | | 50 U | 10 U |
| SILVER | P | 8.6 | 3.4 | | 251 | | 6 U | 9.6 |
| SODIUM | P | 614 B | 542 B | 105000 | | 5170 | 170 U | 570 B |
| VANADIUM | P | 31 E | 29 E | | 255 | | 4 U | 33 E |
| ZINC | P | 272 | 65 | | 1460 | | 12 B | 113 |
| % SOLIDS | | 74.9 | 64.5 | | | | | 61.3 |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

| AREA | METHOD | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | IN520051D | IN520062D | IN818016E | IN818027E | IN818038E | IN818049E | IN522019D |
| TYPE OF LOCATION | | SEDIM | SEDIM | SOIL | SOIL | SOIL | SOIL | SOIL |
| SAMPLE NUMBER | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| MATRIX | | 3 | 3 | 7 | 7 | 7 | 7 | 3 |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 22300 | 10200 | 13000 | 13300 | 12300 | 12000 | 21900 |
| ANTIMONY | P | 8.3 UN | 11 UN | 7.4 UN | 7.2 UN | 7.4 UN | 6.9 UN | 9.5 UN |
| ARSENIC | P | 10 U | 13 U | 8.9 U | 8.6 U | 8.9 U | 8.3 U | 11 U |
| BARIUM | P | 242 | 130 | 172 | 220 | 203 | 174 | 186 |
| BERYLLIUM | P | 1.9 | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 | 2 |
| CADMIUM | P | 0.88 | 0.43 B | 0.42 B | 0.39 B | 0.31 B | 0.29 B | 1.9 |
| CALCIUM | P | 32500 | 60400 | 68100 | 73200 | 80200 | 64600 | 32400 |
| CHROMIUM | P | 718 | 25 | 18 | 21 | 20 | 17 | 86 |
| COBALT | P | 7.8 B | 4.9 B | 6.3 B | 6.6 B | 7.1 B | 6.2 B | 7.2 B |
| COPPER | P | 37 | 13 | 17 | 20 | 17 | 14 | 59 |
| IRON | P | 23400 | 12600 | 15200 | 15300 | 15200 | 14900 | 23800 |
| LEAD | P | 14 B | 7.2 B | 7.9 B | 9.1 B | 6.6 B | 8.1 B | 14 B |
| MAGNESIUM | P | 13100 | 14500 | 12700 | 15200 | 15700 | 14000 | 11800 |
| MANGANESE | P | 260 E | 261 E | 419 E | 421 E | 393 E | 414 E | 374 E |
| NICKEL | P | 25 | 16 | 21 | 28 | 30 | 20 | 25 |
| SELENIUM | P | 8.3 U | 11 U | 7.4 U | 7.2 U | 7.4 U | 6.9 U | 9.5 U |
| SILVER | P | 3.3 | 4.2 | 1.2 B | 1.2 B | 1 B | 0.88 B | 153 |
| SODIUM | P | 747 B | 590 B | 2230 | 1720 | 2780 | 1330 | 631 B |
| VANADIUM | P | 36 E | 27 E | 27 E | 31 E | 29 E | 28 E | 37 E |
| ZINC | P | 224 | 68 | 61 | 57 | 52 | 56 | 134 |
| % SOLIDS | | 77.4 | 60.9 | 92.2 | 91.8 | 91.7 | 94.3 | 63.3 |

| AREA | METHOD | TRA 1952 WASTE POND | TRA 1952 WASTE POND | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND | QA CONTINUING CAL BLANK | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | IN522020D | IN522031D | INCCV1194 | INCCV1297 | INCCV1368 | INCCB1064 | IN522042D |
| TYPE OF LOCATION | | SOIL | SOIL | WATER | WATER | WATER | WATER | SOIL |
| SAMPLE NUMBER | | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG |
| MATRIX | | 3 | 3 | | | | | 3 |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 14500 | 13900 | 101000 | 1110 | | 50 U | 14500 |
| ANTIMONY | P | 8.9 UN | 8.1 UN | | 994 | | 50 U | 9.4 UN |
| ARSENIC | P | 11 U | 9.7 U | | 1070 | | 60 U | 11 U |
| BARIUM | P | 151 | 273 | | 982 | | 1 U | 209 |
| BERYLLIUM | P | 1.7 | 1.5 | | 253 | | 0.3 U | 1.7 |
| CADMIUM | P | 1 | 1.5 | | 242 | | 1 U | 0.5 B |
| CALCIUM | P | 74700 | 42700 | | 26600 | 5200 | 150 U | 69500 |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN522020D | IN522031D | INCCV1194 | INCCV1297 | INCCV1368 | INCCB1064 | IN522042D |
| MATRIX | | SOIL | SOIL | WATER | WATER | WATER | WATER | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | | | | | 3 |
| CHROMIUM | P | 54 | 50 | | 252 | | 5 U | 82 |
| COBALT | P | 6.9 B | 5.8 B | | 241 | | 2 U | 6.6 B |
| COPPER | P | 32 | 50 | | 252 | | 10 U | 59 |
| IRON | P | 17500 | 17100 | 106000 | 970 | | 20 U | 17000 |
| LEAD | P | 10 B | 15 B | | 2360 | | 30 U | 23 B |
| MAGNESIUM | P | 11600 | 9420 | 50500 | | 4860 B | 10 U | 14600 |
| MANGANESE | P | 348 E | 298 E | 51100 | 249 | | 5 U | 304 E |
| NICKEL | P | 22 | 20 | | 238 | | 6 U | 29 |
| SELENIUM | P | 8.9 U | 8.1 U | | 985 | | 50 U | 9.4 U |
| SILVER | P | 150 | 138 | | 247 | | 6 U | 1.4 B |
| SODIUM | P | 799 B | 567 B | 102000 | | 5270 | 170 U | 821 B |
| VANADIUM | P | 32 E | 34 E | | 252 | | 4 U | 33 E |
| ZINC | P | 135 | 139 | | 1460 | | 8 U | 122 |
| % SOLIDS | | 72.9 | 74.6 | | | | | 67.9 |

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | SERIAL | SD % | DUPLICATE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | DILUTION | DIFFERENCE | | RPD | SPIKE |
| SAMPLE NUMBER | | IN522053D | IN522064D | IN522064D | IN522064D | IN522064D | IN522064D | IN522064D |
| MATRIX | | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | % | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ALUMINUM | P | 13300 | 17200 | 17400 | 1.2 | 18400 | 6.7 | 16400 |
| ANTIMONY | P | 9.2 UN | 9.1 UN | 46 U | | 9.1 U | | 25 |
| ARSENIC | P | 11 U | 11 U | 55 U | | 11 U | | 90 |
| BARIUM | P | 164 | 164 | 168 | 2.4 | 178 | 14 | 544 |
| BERYLLIUM | P | 1.7 | 1.7 | 2.7 | | 1.8 | 0.1 | 11 |
| CADMIUM | P | 0.23 B | 0.43 B | 0.91 U | | 0.39 B | | 8.8 |
| CALCIUM | P | 72300 | 22500 | 23000 | 2.2 | 21100 | 6.4 | 18700 |
| CHROMIUM | P | 20 | 25 | 30 | | 27 | 7.7 | 58 |
| COBALT | P | 5.9 B | 8 B | 9.4 | | 8.6 B | | 95 |
| COPPER | P | 13 | 20 | 21 | | 21 | 1 | 65 |
| IRON | P | 14700 | 20600 | 21400 | 3.9 | 21800 | 5.7 | 21100 |
| LEAD | P | 8.7 B | 14 B | 27 U | | 14 B | | 106 |
| MAGNESIUM | P | 14800 | 11400 | 12100 | 6.1 | 11500 | 0.87 | 10500 |
| MANGANESE | P | 348 E | 565 E | 497 | 12 | 633 | 11 | 741 |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | SERIAL | SD % | DUPLICATE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | DILUTION | DIFFERENCE | | RPD | SPIKE |
| SAMPLE NUMBER | | IN522053D | IN522064D | IN522064D | IN522064D | IN522064D | IN522064D | IN522064D |
| MATRIX | | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | % | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| NICKEL | P | 20 | 28 | 5.5 U | | 30 | 2 | 113 |
| SELENIUM | P | 9.2 U | 9.1 U | 46 U | | 9.1 U | | 90 |
| SILVER | P | 1.1 U | 1.1 B | 5.5 U | | 1.1 U | | 10 |
| SODIUM | P | 704 B | 577 B | 496 B | | 618 B | | 531 B |
| VANADIUM | P | 31 E | 36 E | 45 | 25 | 39 | 3 | 124 |
| ZINC | P | 55 | 88 | 95 | 8 | 106 | 19 | 175 |
| % SOLIDS | | 73.2 | 69.6 | 69.6 | | 69.6 | | 69.6 |

| AREA | METHOD | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MS % | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RECOVERY | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN522064D | IN505018C | IN505029C | IN505030C | IN505041C | INCCV1195 | INCCV1298 |
| MATRIX | | | SEDIM | SEDIM | SEDIM | SEDIM | WATER | WATER |
| UNITS | | % | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | | |
| ALUMINUM | P | | 6240 | 5980 | 6240 | 16200 | 99200 | 1100 |
| ANTIMONY | P | 26 | 15 UN | 11 UN | 12 UN | 21 UN | | 981 |
| ARSENIC | P | 95 | 18 U | 14 U | 14 U | 25 U | | 1050 |
| BARIUM | P | 99 | 109 | 90 | 117 | 202 | | 969 |
| BERYLLIUM | P | 98 | 1.4 B | 1.1 B | 1.2 | 3 | | 251 |
| CADMIUM | P | 88 | 0.73 B | 0.32 B | 0.27 B | 0.7 B | | 239 |
| CALCIUM | P | | 13800 | 12700 | 20100 | 150000 | | 26300 |
| CHROMIUM | P | 87 | 38 | 32 | 30 | 89 | | 249 |
| COBALT | P | 92 | 5.5 B | 6.4 B | 4.5 B | 11 B | | 238 |
| COPPER | P | 94 | 58 | 42 | 40 | 79 | | 250 |
| IRON | P | | 13100 | 13500 | 12100 | 29000 | 105000 | 957 |
| LEAD | P | 97 | 41 B | 25 B | 23 B | 60 B | | 2330 |
| MAGNESIUM | P | | 7540 | 6400 | 10400 | 29100 | 49700 | |
| MANGANESE | P | | 221 E | 171 E | 154 E | 596 E | 50700 | 247 |
| NICKEL | P | 89 | 22 | 23 | 18 | 40 | | 236 |
| SELENIUM | P | 95 | 15 U | 11 U | 12 U | 21 U | | 992 |
| SILVER | P | 94 | 3.6 | 1.9 B | 1.8 B | 3.9 B | | 246 |
| SODIUM | P | | 206 B | 197 B | 264 B | 713 B | 102000 | |
| VANADIUM | P | 93 | 28 E | 30 E | 36 E | 66 E | | 249 |
| ZINC | P | 92 | 100 | 71 | 74 | 157 | | 1450 |
| % SOLIDS | | | 43.1 | 62.4 | 58.8 | 33.8 | | |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCV1369 | INCCB1065 | IN505052C | IN505063C | INCCV1196 | INCCV1299 | INCCV1370 |
| MATRIX | | WATER | WATER | SEDIM | SEDIM | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | | | |
| ALUMINUM | P | | 50 U | 5980 | 5210 | 99300 | 1110 | |
| ANTIMONY | P | | 50 U | 15 UN | 13 UN | | 992 | |
| ARSENIC | P | | 60 U | 18 U | 15 U | | 1050 | |
| BARIUM | P | | 1 U | 129 | 89 | | 973 | |
| BERYLLIUM | P | | 0.5 U | 1.4 B | 1.4 | | 252 | |
| CADMIUM | P | | 1 U | 0.47 B | 1.2 | | 240 | |
| CALCIUM | P | 5160 | 150 U | 25800 | 56600 | | 26300 | 5120 |
| CHROMIUM | P | | 5 U | 64 | 38 | | 249 | |
| COBALT | P | | 2 U | 5.5 B | 4.4 B | | 238 | |
| COPPER | P | | 10 U | 87 | 59 | | 250 | |
| IRON | P | | 20 U | 12000 | 12300 | 105000 | 958 | |
| LEAD | P | | 30 U | 108 | 36 B | | 2340 | |
| MAGNESIUM | P | 4830 B | 10 U | 15300 | 11900 | 49900 | | 4780 B |
| MANGANESE | P | | 5 U | 147 E | 149 E | 50800 | 248 | |
| NICKEL | P | | 6 U | 19 | 20 | | 239 | |
| SELENIUM | P | | 50 U | 16 B | 13 U | | 972 | |
| SILVER | P | | 6 U | 6.1 | 3.3 | | 245 | |
| SODIUM | P | 5220 | 170 U | 319 B | 321 B | 103000 | | 5190 |
| VANADIUM | P | | 4 U | 44 E | 34 E | | 250 | |
| ZINC | P | | 8 U | 119 | 97 | | 1450 | |
| % SOLIDS | | | | 42.8 | 56.1 | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1066 | INLRA2171 | INICS1756 | INICS1774 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| ALUMINUM | P | 50 U | | 507000 | 511000 |
| ANTIMONY | P | 50 U | 122 | 50 U | |
| ARSENIC | P | 60 U | 502 | 60 U | |
| BARIUM | P | 1.1 B | | 9.7 B | 439 |
| BERYLLIUM | P | 0.3 U | 9.8 | 3.9 B | 439 |
| CADMIUM | P | 1 U | 9.7 | 1 U | 819 |
| CALCIUM | P | 150 U | | 498000 | 499000 |

TABLE D.2.39 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1066 | INLRA2171 | INICS1756 | INICS1774 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | P | 5 U | 20 | 18 | 434 |
| COBALT | P | 2 U | 98 | 7.2 B | 402 |
| COPPER | P | 10 U | 50 | 10 U | 485 |
| IRON | P | 20 U | | 219000 | 219000 |
| LEAD | P | 30 U | 494 | 30 U | 3960 |
| MAGNESIUM | P | 10 U | | 510000 | 513000 |
| MANGANESE | P | 5 U | 30 | 8 B | 442 |
| NICKEL | P | 6 U | 80 | 11 B | 793 |
| SELENIUM | P | 50 U | 481 | 50 U | |
| SILVER | P | 6 U | 21 | 7.8 B | 900 |
| SODIUM | P | 170 U | | 1140 B | |
| VANADIUM | P | 4 U | 96 | 4 U | 413 |
| ZINC | P | 8 U | 43 | 8 U | 873 |
| % SOLIDS | | | | | |

TABLE D.2.40 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | FOUND A | TRUE A | SAMPLE TRUE | | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1875 | INICV1911 | INLCS2146 | INRAN2308 | INICB1709 | INPB02258 | INPB02259 |
| MATRIX | | WATER | WATER | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 1000 B | 50 | 8000 | 100 U | 0.1 | 0.13 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | INLCS2109 | INCCV1197 | INCCB1067 | IN505018C | IN505029C | IN505030C | INCCV1198 |
| MATRIX | | SOIL | WATER | WATER | SEDIM | SEDIM | SEDIM | WATER |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | |
| POTASSIUM | FE | 210 | 1000 B | 100 U | 1200 B | 960 B | 1.3 | 1000 B |
| % SOLIDS | | | | | 43.1 | 62.4 | 58.8 | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INCCB1068 | IN505041C | IN505052C | IN505063C | IN520017D | IN520028D | IN520039D |
| MATRIX | | WATER | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | 3 |
| POTASSIUM | FE | 100 U | 1800 B | 1300 B | 970 B | 3900 | 3500 | 2500 |
| % SOLIDS | | | 33.8 | 42.8 | 56.1 | 40.6 | 74.9 | 64.5 |

TABLE D.2.40 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN505018K DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TAN/WRRTF | CONTINUING | CONTINUING | TAN/WRRTF |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | BURN PITS | CAL FOUND | CAL BLANK | BURN PITS |
| SAMPLE NUMBER | | IN520040D | IN520051D | IN520062D | IN818016E | INCCV1199 | INCCB1069 | IN818027E |
| MATRIX | | SEDIM | SEDIM | SEDIM | SOIL | WATER | WATER | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 7 | | | 7 |
| POTASSIUM | FE | 3600 | 6600 | 3900 | 2900 | 980 B | 100 U | 2600 |
| % SOLIDS | | 61.3 | 77.4 | 60.9 | 92.2 | | | 91.8 |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN818038E | IN818049E | IN522019D | IN522020D | IN522031D | IN522042D | IN522053D |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 3 | 3 | 3 | 3 | 3 |
| POTASSIUM | FE | 1900 | 2400 | 5100 | 2900 | 2800 | 3000 | 2600 |
| % SOLIDS | | 91.7 | 94.3 | 63.3 | 72.9 | 74.6 | 67.9 | 73.2 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | DUPLICATE | CONTINUING | DUPLICATE | CONTINUING | | |
| TYPE OF LOCATION | | WASTE POND | | CAL FOUND | RPD | CAL BLANK | | |
| SAMPLE NUMBER | | IN522064D | IN522064D | INCCV1200 | IN522064D | INCCB1070 | | |
| MATRIX | | SOIL | SOIL | WATER | | WATER | | |
| UNITS | | MG/KG | MG/KG | UG/L | % | UG/L | | |
| ENV PROBLEM NO | | 3 | 3 | | 3 | | | |
| POTASSIUM | FE | 3500 | 4200 | 1000 B | 700 | 100 U | | |
| % SOLIDS | | 69.6 | 69.6 | | | | | |

TABLE D.2.41 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN506053E DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1016 | IN2AA2016 | IN03A0016 | IN2B10005 | IN2B10005 | IN03A0016 | IN03B0016 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 27 | 0.82 U | 10 | 10 | 0.82 U | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | TRA 1952 | DUPLICATE | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE | WASTE POND | | CAL TRUE | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN0710016 | IN0710016 | IN506053E | IN506053E | IN2AA3016 | IN2AA4016 | IN03A1016 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | | | |
| CHROMIUM | F | 100 | 105 | 1.6 B | 0.82 U | 25 | 26 | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SPIKE | RECOVERY | WASTE POND | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN506053E | IN506053E | IN503050F | IN2AA5016 | IN03A2016 | IN2AB4015 | IN03A3016 |
| MATRIX | | WATER | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | | |
| CHROMIUM | F | 21 | 99 | 0.82 U | 26 | 0.82 U | 27 | 0.82 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.42 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN507010D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0017 | IN2AA1017 | IN2AA2017 | IN03A0017 | IN03B0017 | IN03A1017 | IN2AA3017 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.06 B | 0.05 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TRA 1952 | TRA 1952 | TRA 1952 | DUPLICATE |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | WASTE POND | WASTE POND | WASTE POND | |
| SAMPLE NUMBER | | IN2AA4017 | IN0710017 | IN0710017 | IN507010D | IN507021D | IN507043D | IN507043D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 10 | 10 | 3.4 | 13 | 0.4 | 0.39 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | RPD | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN507043D | IN03A2017 | IN2AA5017 | IN507054D | IN516011G | IN516022G | IN516044G |
| MATRIX | | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | % | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 2.5 | 0.02 U | 10 | 7.4 | 1.3 | 0.42 | 0.52 |
| % SOLIDS | | | | | | | | |

TABLE D.2.42 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN507010D

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | MATRIX | MS % | CONTINUING | CONTINUING | | |
| TYPE OF LOCATION | | WASTE POND | SPIKE | RECOVERY | CAL BLANK | CAL FOUND | | |
| SAMPLE NUMBER | | IN516055G | IN516055G | IN516055G | IN03A3017 | IN2AB4016 | | |
| MATRIX | | WATER | WATER | | WATER | WATER | | |
| UNITS | | UG/L | UG/L | % | UG/L | UG/L | | |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | | |
| MERCURY | CV | 0.4 | 1.8 | 100 | 0.02 U | 10 | | |
| % SOLIDS | | | | | | | | |

TABLE D.2.43 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN508011C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0018 | IN2AA1018 | IN2AA2018 | IN03A0018 | IN03B0018 | IN03A1018 | IN2AA3018 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.01 B | 0.01 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4018 | IN0710018 | IN0710018 | IN508011C | IN508022C | IN508044C | IN508055C |
| MATRIX | | WATER | SOIL | SOIL | SEDIM | SEDIM | SEDIM | SEDIM |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 19 | 20 | 43 | 91 | 31 | 34 |
| % SOLIDS | | | | | 76.3 | 61.7 | 77.9 | 76 |

| AREA | METHOD | QA | QA | QA | QA | | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | DUPLICATE | DUPLICATE RPD | TRA 1952 WASTE POND | MATRIX SPIKE | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2018 | IN2AA5018 | IN508055C | IN508055C | IN517012D | IN517012D | IN517023D |
| MATRIX | | WATER | WATER | SEDIM | | SEDIM | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | MG/KG | % | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 0.02 U | 10 | 30 | 11 | 4.1 | 5.2 | 1.7 |
| % SOLIDS | | | | | | 83.5 | | 82.7 |

TABLE D.2.43 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN508011C

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN517045D | IN517056D | IN03A3018 | IN2AB4017 |
| MATRIX | | SEDIM | SEDIM | WATER | WATER |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | |
| MERCURY | CV | 3.6 | 0.95 | 0.02 U | 10 |
| % SOLIDS | | 82 | 81.4 | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN2AA1019 | IN2AA2019 | IN03A0019 | IN2B10006 | IN2B10006 | IN505018B | IN505029B |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| CHROMIUM | F | 25 | 26 | 0.82 U | 10 | 10 | 44 | 16 |
| % SOLIDS | | | | | | | 80.4 | 79.8 |

| AREA | METHOD | | | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL TRUE | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN505030B | IN505041B | IN2AA3019 | IN2AA4019 | IN03A1019 | IN505052B | IN505063B |
| MATRIX | | SEDIM | SEDIM | WATER | WATER | WATER | SEDIM | SEDIM |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | | | | 3 | 3 |
| CHROMIUM | F | 29 | 65 | 25 | 27 | 1 B | 95 | 37 |
| % SOLIDS | | 68.4 | 61.8 | | | | 60.8 | 63.2 |

| AREA | METHOD | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE | MATRIX | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | | RPD | SPIKE | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN505063B | IN505063B | IN505063B | IN508011C | IN508044C | IN2AA5019 | IN03A2019 |
| MATRIX | | SEDIM | | SEDIM | SEDIM | SEDIM | WATER | WATER |
| UNITS | | MG/KG | % | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | | |
| CHROMIUM | F | 39 | 5.3 | 44 | 2.9 | 1.9 | 26 | 0.9 B |
| % SOLIDS | | | | | 76.3 | 77.9 | | |

TABLE D.2.44 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN508055C DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | PREP | PREP | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | WASTE POND | BLANK | BLANK 2 | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN508055C | IN03A0019 | IN03B0019 | IN2AB4018 | IN03A3019 | IN2AC2007 | IN03B0019 |
| MATRIX | | SEDIM | SOIL | SOIL | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | | | | |
| CHROMIUM | F | 2.6 | 0.16 U | 0.16 U | 25 | 0.82 U | 26 | 0.82 U |
| % SOLIDS | | 76 | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | LAB CONTROL | LAB CONTROL | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | TRUE | FINAL | SAMPLE TRUE | SAMPLE | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN2B20005 | IN2B20005 | IN0710019 | IN0710019 | IN2AC4007 | IN03B4019 | IN508022C |
| MATRIX | | WATER | WATER | SOIL | SOIL | WATER | WATER | SEDIM |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | | | | | | | 3 |
| CHROMIUM | F | 10 | 10 | 17 | 8.9 | 27 | 0.82 U | 9.8 |
| % SOLIDS | | | | | | | | 61.7 |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN2AC5007 | IN03B5019 | IN2AD4002 | IN03B6019 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | F | 26 | 0.82 U | 26 | 0.82 U |
| % SOLIDS | | | | | |

TABLE D.2.45 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN509012 DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | CAL TRUE | CAL FOUND |
| SAMPLE NUMBER | | IN2AA1020 | IN2AA2020 | IN03A0020 | IN2B10007 | IN2B10007 | IN2AA3020 | IN2AA4020 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 27 | 0.82 U | 10 | 10 | 25 | 24 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | CAL BLANK | SAMPLE TRUE | SAMPLE | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN03A1020 | IN0710020 | IN0710020 | IN2AA5020 | IN03A2020 | IN2AB2019 | IN03B0020 |
| MATRIX | | WATER | SOIL | SOIL | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 0.82 U | 17 | 10 | 27 | 0.9 B | 27 | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | CONTINUING | CONTINUING | DUPLICATE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | TRUE | FINAL | CAL FOUND | CAL BLANK | | RPD | SPIKE |
| SAMPLE NUMBER | | IN2B20006 | IN2B20006 | IN2AB4019 | IN03B4020 | IN509012C | IN509012C | IN509012C |
| MATRIX | | WATER | WATER | WATER | WATER | SEDIM | | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| CHROMIUM | F | 10 | 10 | 27 | 0.9 U | 47 | 16 | 65 |
| % SOLIDS | | | | | | | | |

TABLE D.2.45 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN509012

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PREP BLANK | PREP BLANK 2 | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TRA 1952 WASTE POND | | |
| TYPE OF LOCATION | | IN03A0020 | IN03B0020 | IN2AB5019 | IN03B5020 | IN509012C | | |
| SAMPLE NUMBER | | SOIL | SOIL | WATER | WATER | SEDIM | | |
| MATRIX | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | | |
| UNITS | | | | | | 3 | | |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 0.16 U | 0.16 U | 25 | 0.9 U | 55 | | |
| % SOLIDS | | | | | | 74 | | |

TABLE D.2.46 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN509012C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0001 | IN2AA1001 | IN2AA2001 | IN03A0001 | IN03B0001 | IN03A1001 | IN2AA3001 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.02 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | WASTE POND | | RPD | SPIKE |
| SAMPLE NUMBER | | IN2AA4001 | IN0710001 | IN0710001 | IN509012C | IN509012C | IN509012C | IN509012C |
| MATRIX | | WATER | SOIL | SOIL | SEDIM | SEDIM | | SEDIM |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 19 | 19 | 0.18 | 0.18 | 0 | 0.39 |
| % SOLIDS | | | | | 74 | | | |

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RECOVERY | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN509012C | IN03A2001 | IN2AA5001 |
| MATRIX | | | WATER | WATER |
| UNITS | | % | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | |
| MERCURY | CV | 96 | 0.01 U | 10 |
| % SOLIDS | | | | |

TABLE D.2.47 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN509034C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | INITIAL CAL FOUND A | INITIAL CAL BLANK 1 | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | CRDL STAND TRUE | CRDL STAND FINAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA1021 | IN2AA2021 | IN03A0021 | IN0710021 | IN0710021 | IN2B10008 | IN2B10008 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 26 | 0.82 U | 17 | 9.3 | 10 | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | CONTINUING CAL TRUE | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN506020B | IN512039B | IN518013D | IN518035D | IN2AA3021 | IN2AA4021 | IN03A1021 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| CHROMIUM | F | 28 | 32 | 16 | 12 | 25 | 24 | 0.82 U |
| % SOLIDS | | 93.1 | 83.5 | 95.2 | 95.1 | | | |

| AREA | METHOD | QA | QA | QA | QA | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL FOUND A | INITIAL CAL BLANK 2 | CRDL STAND TRUE | CRDL STAND FINAL | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AB2020 | IN03B0021 | IN2B20007 | IN2B20007 | IN506031B | IN509023C | IN509023C |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| CHROMIUM | F | 26 | 0.82 U | 10 | 11 | 74 | 28 | 28 |
| % SOLIDS | | | | | | 93.6 | 94.7 | |

TABLE D.2.47 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN509034C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | MATRIX | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | RPD | SPIKE | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN509023C | IN509023C | IN2AB4020 | IN03B4021 | IN509034C | IN503016C | IN503027C |
| MATRIX | | | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | % | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | | | 3 | 3 | 3 |
| CHROMIUM | F | 0 | 27 | 25 | 1.2 B | 48 | 20 | 24 |
| % SOLIDS | | | | | | 77.3 | 96.4 | 81.7 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | PREP | PREP | CONTINUING | CONTINUING | | |
| TYPE OF LOCATION | | WASTE POND | BLANK | BLANK 2 | CAL FOUND | CAL BLANK | | |
| SAMPLE NUMBER | | IN503038C | IN03A0021 | IN03B0021 | IN2AB5020 | IN03B5021 | | |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | | |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | | |
| ENV PROBLEM NO | | 3 | | | | | | |
| CHROMIUM | F | 38 | 0.3 B | 0.16 U | 25 | 1.6 B | | |
| % SOLIDS | | 77.5 | | | | | | |

TABLE D.2.48 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN510015A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0022 | IN2AA1022 | IN2AA2022 | IN0710022 | IN0710022 | IN03A1022 | IN2AA3022 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 9.7 | 10 | 10 | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE | DUPLICATE RPD | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4022 | IN510015A | IN510026A | IN510026A | IN510026A | IN510048A | IN510059A |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 0.02 B | 0.42 | 0.44 | 4.7 | 0.04 B | 0.14 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | CONTINUING CAL BLANK | CONTINUING CAL FOUND | MATRIX SPIKE | MS % RECOVERY | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN510253A | IN03A2022 | IN2AA5022 | IN510253A | IN510253A | IN513018D | IN513029D |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 0.08 B | 0.02 U | 9.7 | 1.2 | 105 | 0.04 B | 0.03 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.48 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN510015A

DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | PREP | PREP |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | CAL BLANK | CAL FOUND | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN513041D | IN513052D | IN513256A | IN03A3022 | IN2AB4021 | IN03A0022 | IN03B0022 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | | | | |
| MERCURY | CV | 0.02 B | 0.03 B | 0.03 B | 0.02 U | 9.7 | 0.04 B | 0.03 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.49 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN511016B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0023 | IN2AA1023 | IN2AA2023 | IN03A0023 | IN03B0023 | IN03A1023 | IN2AA3023 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | IN2AA4023 | IN0710023 | IN0710023 | IN511016B | IN511027B | IN511049B | IN511050B |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SEDIM | SEDIM | SEDIM | SEDIM |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 9.9 | 19 | 19 | 0.08 | 0.13 | 1.7 | 0.13 |
| % SOLIDS | | | | | 72.9 | 67.6 | 46.4 | 70.3 |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE |
| TYPE OF LOCATION | | IN03A2023 | IN2AA5023 | IN514019C | IN514020C | IN514042C | IN514053C | IN514053C |
| SAMPLE NUMBER | | WATER | WATER | SEDIM | SEDIM | SEDIM | SEDIM | SEDIM |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 0.04 B | 0.03 B | 0.03 B | 0.04 B | 0.04 B |
| % SOLIDS | | | | 70.6 | 73.8 | 72.6 | 77.8 | |

TABLE D.2.49 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN511016B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SPIKE | RECOVERY | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN514053C | IN514053C | IN03A3023 | IN2AB4022 |
| MATRIX | | SEDIM | | WATER | WATER |
| UNITS | | MG/KG | % | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | |
| MERCURY | CV | 26 | 85 | 0.01 U | 9.8 |
| % SOLIDS | | | | | |

TABLE D.2.50 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN511016K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1912 | INLCS2147 | INRAN2309 | INICV1876 | INICB1724 | INPB02260 | INPB02261 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 990 B | 100 U | 0.1 U | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | INLCS2110 | INCCV1201 | INCCB1071 | INCCV1202 | INCCB1072 | IN811019B | IN811020B |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 5 | 5 |
| POTASSIUM | FE | 210 | 990 B | 100 U | 990 B | 100 U | 1800 | 2500 |
| % SOLIDS | | | | | | | 96.1 | 95 |

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN803019B | INCCV1203 | INCCB1073 | IN803020B | IN803031B | IN803042B | IN803053B |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | 5 | 5 | 5 | 5 |
| POTASSIUM | FE | 3300 | 990 B | 100 U | 3500 | 3300 | 2800 | 2900 |
| % SOLIDS | | 91.2 | | | 93.2 | 95.2 | 94.6 | 94.6 |

TABLE D.2.50 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN511016K DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL FOUND |
| SAMPLE NUMBER | | IN810018B | IN810029B | IN819051B | IN819062B | IN819073B | IN819084B | INCCV1204 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 7 | 7 | 7 | 7 | |
| POTASSIUM | FE | 1800 | 1600 | 1900 | 2200 | 2300 | 3300 | 990 B |
| % SOLIDS | | 94.8 | 95.2 | 95.6 | 94.8 | 95.1 | 94.8 | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | INCCB1074 | IN511027C | IN511049C | IN511050C | IN804010C | IN804021C | IN804032C |
| MATRIX | | WATER | SEDIM | SEDIM | SEDIM | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 5 | 5 | 5 |
| POTASSIUM | FE | 100 U | 3500 | 5000 | 3300 | 2500 | 3100 | 3100 |
| % SOLIDS | | | 76 | 54.8 | 64 | 91.8 | 94 | 92.8 |

| AREA | METHOD | QA | QA | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE | OMRE | CONTINUING | CONTINUING | OMRE | TRA 1952 |
| TYPE OF LOCATION | | | RPD | LEACH POND | CAL FOUND | CAL BLANK | LEACH POND | WASTE POND |
| SAMPLE NUMBER | | IN804032C | IN804032C | IN804054C | INCCV1205 | INCCB1075 | IN804065C | IN511016C |
| MATRIX | | SOIL | | SOIL | WATER | WATER | SOIL | SEDIM |
| UNITS | | MG/KG | % | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | 5 | 3 |
| POTASSIUM | FE | 3100 | 0 | 3300 | 990 B | 100 U | 3400 | 5300 |
| % SOLIDS | | 92.8 | | 90 | | | 85.2 | 69.7 |

TABLE D.2.50 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN511016K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN804043C | INCCV1206 | INCCB1076 |
| MATRIX | | SOIL | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | | |
| POTASSIUM | FE | 4600 | 1000 B | 100 U |
| % SOLIDS | | 90.4 | | |

TABLE D.2.51 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN512017B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0024 | IN2AA1024 | IN2AA2024 | IN03A0024 | IN03B0024 | IN03A1024 | IN2AA3024 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4024 | IN0710024 | IN0710024 | IN512017B | IN515010C | IN515021C | IN515032C |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 19 | 18 | 0.05 | 0.04 B | 0.03 B | 0.04 B |
| % SOLIDS | | | | | 81.4 | 85.5 | 83.9 | 86.5 |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TRA 1952 WASTE POND | DUPLICATE | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2024 | IN2AA5024 | IN512028B | IN512028B | IN512028B | IN512028B | IN03A3024 |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | | WATER |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | % | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | |
| MERCURY | CV | 0.01 U | 10 | 0.04 B | 0.04 B | 0.34 | 107 | 0.01 U |
| % SOLIDS | | | | 82.7 | 82.2 | | | |

TABLE D.2.51 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN512017B

DRAFT DO NOT CITE

| | METHOD | |
|---|---|---|
| AREA | | QA |
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND |
| SAMPLE NUMBER | | IN2AB4023 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| MERCURY | CV | 10 |
| % SOLIDS | | |

TABLE D.2.52 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN513018D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | INITIAL CAL FOUND A | INITIAL CAL BLANK 1 | CRDL STAND TRUE | CRDL STAND FINAL | PREP BLANK | PREP BLANK 2 |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA1025 | IN2AA2025 | IN03A0025 | IN2B10009 | IN2B10009 | IN03A0025 | IN03B0025 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 28 | 0.82 U | 10 | 10 | 0.82 U | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TRA 1952 WASTE POND | CONTINUING CAL TRUE | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN0710025 | IN0710025 | IN510015A | IN2AA3025 | IN2AA4025 | IN03A1025 | IN510026A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | | | | 3 |
| CHROMIUM | F | 50 | 46 | 5.8 B | 25 | 23 | 0.82 U | 2 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 WASTE POND | TRA 1952 WASTE POND | DUPLICATE | TRA 1952 WASTE POND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | INITIAL CAL FOUND A |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN510048A | IN510059A | IN510059A | IN510253A | IN2AA5025 | IN03A2025 | IN2AB2024 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| CHROMIUM | F | 19 | 3.4 B | 2.9 B | 31 | 25 | 0.82 U | 26 |
| % SOLIDS | | | | | | | | |

TABLE D.2.52 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN513018D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | CRDL STAND | CRDL STAND | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | BLANK 2 | TRUE | FINAL | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | IN03B0025 | IN2B20008 | IN2B20008 | IN513052D | IN513018D | IN513029D | IN2AB4024 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | |
| CHROMIUM | F | 0.82 U | 10 | 11 | 3.1 B | 2.5 B | 2.6 B | 27 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | QA | QA | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | MATRIX | MS % | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | SPIKE | RECOVERY | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | IN03B4025 | IN513041D | IN513052D | IN513052D | IN501014D | IN501025D | IN2AB5024 |
| MATRIX | | WATER | WATER | WATER | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | |
| CHROMIUM | F | 0.82 U | 2.4 B | 24 | 104 | 30 | 33 | 27 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | CAL BLANK | FOUND A | BLANK 3 | TRUE | FINAL |
| SAMPLE NUMBER | | IN03B5025 | IN2AC4008 | IN03B6025 | IN2AD2003 | IN03C0003 | IN2B30003 | IN2B30003 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 0.82 U | 27 | 0.82 U | 26 | 0.82 U | 10 | 9.9 |
| % SOLIDS | | | | | | | | |

TABLE D.2.52 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN513018D DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | TRA 1952 |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FOUND A | BLANK 4 | TRUE | FINAL | WASTE POND |
| SAMPLE NUMBER | | IN2AD4003 | IN03C7003 | IN2AE2001 | IN03D0001 | IN2B40001 | IN2B40001 | IN501047D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | 3 |
| CHROMIUM | F | 23 | 0.82 U | 27 | 0.82 U | 10 | 10 | 25 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN501069D | IN501252A | IN03D1001 | IN2AE4001 | IN501036D | IN513256D | IN501058D |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | 3 | 3 | 3 |
| CHROMIUM | F | 26 | 36 | 0.82 U | 24 | 93 | 0.9 B | 253 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN2AE5001 | IN03D1101 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| CHROMIUM | F | 25 | 0.82 U |
| % SOLIDS | | | |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1829 | INICS1847 | INICV1913 | INICV1955 | INICV1991 | INLCS2148 | INLRA2208 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2310 | INRAN2334 | INICV1877 | INICV1937 | INICV1973 | INICB1727 | INLRA2190 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 99800 | 1090 | | 50 U | |
| ANTIMONY | P | 10000 | | | 997 | | 50 U | 109 |
| ARSENIC | P | 20000 | | | 1040 | | 60 U | 503 |
| BARIUM | P | 5000 | | | 981 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 252 | | 0.3 U | 9.6 |
| CADMIUM | P | 5000 | | | 243 | | 1 U | 8.9 |
| CALCIUM | P | 20000 | 800000 | | 25700 | 5210 | 150 U | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2310 | INRAN2334 | INICV1877 | INICV1937 | INICV1973 | INICB1727 | INLRA2190 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 247 | | 5 U | 19 |
| COBALT | P | 10000 | | | 240 | | 2 U | 96 |
| COPPER | P | 10000 | | | 257 | | 10 U | 53 |
| IRON | P | 12000 | 1000000 | 106000 | 960 | | 20 U | |
| LEAD | P | 20000 | | | 2350 | | 30 U | 475 |
| MAGNESIUM | P | 12000 | 500000 | 49200 | | 4820 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50200 | 246 | | 5 U | 30 |
| NICKEL | P | 15000 | | | 237 | | 6 U | 77 |
| SELENIUM | P | 10000 | | | 1050 | | 50 U | 490 |
| SILVER | P | 10000 | | | 244 | | 6 U | 25 |
| SODIUM | P | 25000 | 900000 | 99200 | | 4880 B | 170 U | |
| VANADIUM | P | 10000 | | | 252 | | 4 U | 97 |
| ZINC | P | 6000 | | | 1460 | | 8 U | 44 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1793 | INICS1811 | INPB02262 | INPB02263 | INLCS2111 | IN514019D | IN514020D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| ALUMINUM | P | 516000 | 516000 | 50 U | 50 U | 454 | 19200 | 23900 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 255 | 9.6 UN | 10 UN |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1050 | 12 U | 12 U |
| BARIUM | P | 9.3 B | 445 | 1 U | 1 U | 6.3 | 218 | 265 |
| BERYLLIUM | P | 3.8 B | 441 | 0.3 U | 0.33 B | 19 | 2.2 | 2.4 |
| CADMIUM | P | 1 U | 823 | 1 U | 1 U | 38 | 0.88 B | 1 |
| CALCIUM | P | 490000 | 495000 | 150 U | 150 U | 211000 | 97500 * | 94500 * |
| CHROMIUM | P | 15 | 432 | 5 U | 5 U | 88 | 32 | 40 |
| COBALT | P | 7.2 B | 402 | 2 U | 2 U | 130 | 9.7 | 12 |
| COPPER | P | 10 U | 498 | 10 U | 10 U | 7090 | 30 | 33 |
| IRON | P | 224000 | 225000 | 20 U | 20 U | 23400 | 23400 | 26900 |
| LEAD | P | 30 U | 4030 | 30 U | 30 U | 192 | 13 B | 17 B |
| MAGNESIUM | P | 519000 | 518000 | 10 U | 10 U | 125000 | 16300 | 17300 |
| MANGANESE | P | 7.1 B | 437 | 5 U | 5 U | 194 | 851 N | 1080 N |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | INICS1793 | INICS1811 | INPB02262 | INPB02263 | INLCS2111 | IN514019D | IN514020D |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| NICKEL | P | 8.5 B | 782 | 6 U | 6 U | 56 | 41 | 49 |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 39 | 9.6 U | 10 U |
| SILVER | P | 6 U | 911 | 6 U | 6 U | 22 | 1.5 B | 1.2 U |
| SODIUM | P | 1290 B | 1240 B | 170 U | 170 U | 560 | 546 B | 602 B |
| VANADIUM | P | 4 U | 416 | 4 U | 4 U | 61 | 45 | 56 |
| ZINC | P | 8 U | 874 | 8 U | 8 U | 189 | 126 | 143 |
| % SOLIDS | | | | | | | 66.8 | 62.3 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TRA 1952 | TAN/TSF |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | WASTE POND | LEACH FLD |
| SAMPLE NUMBER | | IN514042D | INCCV1207 | INCCV1300 | INCCV1371 | INCCB1077 | IN514053D | IN820010C |
| MATRIX | | SEDIM | WATER | WATER | WATER | WATER | SEDIM | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | | | | | 3 | 8 |
| ALUMINUM | P | 16900 | 100000 | 1090 | | 50 U | 14300 | 13700 |
| ANTIMONY | P | 10 UN | | 1010 | | 50 U | 9.2 UN | 7.4 UN |
| ARSENIC | P | 12 U | | 1050 | | 60 U | 11 U | 12 B |
| BARIUM | P | 188 | | 981 | | 1 U | 181 | 182 |
| BERYLLIUM | P | 2.1 | | 250 | | 0.38 B | 1.8 | 1.7 |
| CADMIUM | P | 0.84 B | | 242 | | 1 U | 0.52 B | 0.59 B |
| CALCIUM | P | 102000 * | | 26000 | 5130 | 150 U | 88000 * | 82100 * |
| CHROMIUM | P | 28 | | 247 | | 5 U | 28 | 26 |
| COBALT | P | 8 B | | 240 | | 2 U | 7.9 B | 7 B |
| COPPER | P | 26 | | 254 | | 10 U | 22 | 23 |
| IRON | P | 21200 | 106000 | 961 | | 27 B | 18800 | 18200 |
| LEAD | P | 9.9 B | | 2340 | | 30 U | 11 B | 10 B |
| MAGNESIUM | P | 16300 | 49200 | | 4660 B | 10 U | 14400 | 16300 |
| MANGANESE | P | 393 N | 51800 | 245 | | 5 U | 527 N | 467 N |
| NICKEL | P | 35 | | 237 | | 6 U | 31 | 28 |
| SELENIUM | P | 10 U | | 1060 | | 50 U | 9.2 U | 7.4 U |
| SILVER | P | 1.3 U | | 237 | | 6 U | 1.1 U | 0.88 U |
| SODIUM | P | 588 B | 97500 | | 4790 B | 170 U | 512 B | 475 B |
| VANADIUM | P | 41 | | 245 | | 4 U | 42 | 39 |
| ZINC | P | 113 | | 1450 | | 8 U | 88 | 85 |
| % SOLIDS | | 64 | | | | | 74.5 | 89.2 |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN820021C | IN820032C | IN820043C | IN820054C | IN820065C | IN808014B | IN808025B |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | 8 | 5 | 5 |
| ALUMINUM | P | 17400 | 17800 | 15100 | 17200 | 19300 | 15900 | 19500 |
| ANTIMONY | P | 7.9 UN | 8.1 UN | 7.6 UN | 8 UN | 7.7 UN | 7.9 UN | 7.6 UN |
| ARSENIC | P | 9.5 U | 9.7 U | 9.5 B | 9.6 U | 10 B | 9.5 U | 9.1 U |
| BARIUM | P | 211 | 219 | 199 | 221 | 244 | 283 | 290 |
| BERYLLIUM | P | 1.9 | 1.9 | 1.8 | 1.9 | 2 | 1.7 | 1.8 |
| CADMIUM | P | 0.71 B | 0.71 B | 0.72 B | 0.68 B | 0.67 B | 0.29 B | 0.15 B |
| CALCIUM | P | 68000 * | 74900 * | 93100 * | 74000 * | 74600 * | 63400 * | 39800 * |
| CHROMIUM | P | 31 | 32 | 29 | 31 | 34 | 24 | 30 |
| COBALT | P | 8.8 | 8.7 | 7.3 B | 9.5 | 9.8 | 7.9 B | 9.4 |
| COPPER | P | 30 | 32 | 25 | 31 | 34 | 20 | 23 |
| IRON | P | 25200 | 23900 | 19600 | 24300 | 25600 | 20900 | 27700 |
| LEAD | P | 15 B | 16 B | 10 B | 16 B | 17 B | 11 B | 9.6 B |
| MAGNESIUM | P | 11900 | 12800 | 12100 | 13400 | 14000 | 12200 | 12800 |
| MANGANESE | P | 544 N | 613 N | 482 N | 558 N | 588 N | 430 N | 514 N |
| NICKEL | P | 34 | 35 | 30 | 35 | 37 | 22 | 27 |
| SELENIUM | P | 7.9 U | 8.1 U | 7.6 U | 8 U | 7.7 U | 7.9 U | 7.6 U |
| SILVER | P | 0.95 U | 1.1 B | 0.91 U | 1.1 B | 0.93 U | 0.95 U | 0.91 U |
| SODIUM | P | 532 B | 532 B | 559 B | 551 B | 540 B | 2250 | 1390 |
| VANADIUM | P | 45 | 48 | 45 | 48 | 55 | 38 | 45 |
| ZINC | P | 117 | 131 | 96 | 111 | 123 | 53 | 68 |
| % SOLIDS | | 85.8 | 85.7 | 89.1 | 87.4 | 86.1 | 84.7 | 88 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN808036B | INCCV1208 | INCCV1301 | INCCV1372 | INCCB1078 | IN808047B | IN808058B |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | | | 5 | 5 |
| ALUMINUM | P | 17600 | 97800 | 1070 | | 50 U | 16500 | 18800 |
| ANTIMONY | P | 7.6 UN | | 996 | | 50 U | 7.5 UN | 7.4 UN |
| ARSENIC | P | 9.1 U | | 1050 | | 60 U | 8.9 U | 8.9 U |
| BARIUM | P | 262 | | 972 | | 1 U | 215 | 231 |
| BERYLLIUM | P | 1.9 | | 250 | | 0.3 U | 1.6 | 1.8 |
| CADMIUM | P | 0.37 B | | 241 | | 1 U | 0.26 B | 0.42 B |
| CALCIUM | P | 81700 * | | 25800 | 5050 | 150 U | 33000 * | 44000 * |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN808036B | INCCV1208 | INCCV1301 | INCCV1372 | INCCB1078 | IN808047B | IN808058B |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | | | 5 | 5 |
| CHROMIUM | P | 26 | | 245 | | 5 U | 27 | 26 |
| COBALT | P | 9.6 | | 237 | | 2 U | 8.3 | 8.5 |
| COPPER | P | 24 | | 253 | | 10 U | 23 | 27 |
| IRON | P | 23800 | 104000 | 957 | | 20 U | 22800 | 24600 |
| LEAD | P | 6.3 B | | 2340 | | 30 U | 6.5 B | 6.7 B |
| MAGNESIUM | P | 11600 | 48000 | | 4640 B | 10 U | 12100 | 9470 |
| MANGANESE | P | 602 N | 50400 | 244 | | 5 U | 482 N | 545 N |
| NICKEL | P | 26 | | 234 | | 6 U | 25 | 26 |
| SELENIUM | P | 7.6 U | | 1050 | | 50 U | 7.5 U | 7.4 U |
| SILVER | P | 0.98 B | | 236 | | 6 U | 0.89 U | 0.97 B |
| SODIUM | P | 1940 | 96400 | | 4790 B | 170 U | 1710 | 1520 |
| VANADIUM | P | 39 | | 245 | | 4 U | 41 | 39 |
| ZINC | P | 67 | | 1450 | | 8 U | 67 | 78 |
| % SOLIDS | | 89.3 | | | | | 91.1 | 93.3 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | SERIAL | SD % |
| TYPE OF LOCATION | | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | DILUTION | DIFFERENCE |
| SAMPLE NUMBER | | IN822012C | IN822023C | IN822034C | IN822045C | IN822056C | IN822056C | IN822056C |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| ALUMINUM | P | 17800 | 9290 | 9320 | 10700 | 9090 | 9250 | 1.8 |
| ANTIMONY | P | 7 UN | 7.6 UN | 7.1 UN | 7.5 UN | 7.6 UN | 38 U | |
| ARSENIC | P | 8.4 U | 9.1 U | 8.5 U | 9.1 U | 9.1 U | 45 U | |
| BARIUM | P | 92 | 157 | 140 | 111 | 145 | 146 | 0.69 |
| BERYLLIUM | P | 0.98 | 1.2 | 1.1 | 1 | 1.2 | 1.8 | |
| CADMIUM | P | 0.64 B | 0.42 B | 0.32 B | 0.4 B | 0.22 B | 0.76 U | |
| CALCIUM | P | 7670 * | 21700 * | 31100 * | 14400 * | 16500 * | 16700 | 1.2 |
| CHROMIUM | P | 21 | 22 | 19 | 18 | 21 | 22 | |
| COBALT | P | 4.3 B | 5.1 B | 4.6 B | 4.2 B | 5.6 B | 6.2 B | |
| COPPER | P | 17 | 17 | 16 | 14 | 22 | 22 | |
| IRON | P | 11900 | 15300 | 13700 | 12600 | 17800 | 18100 | 1.7 |
| LEAD | P | 13 B | 23 B | 6.8 B | 6.4 B | 10 B | 23 U | |
| MAGNESIUM | P | 4290 | 5660 | 12200 | 4040 | 4840 | 4710 | 2.7 |
| MANGANESE | P | 237 N | 213 N | 198 N | 291 N | 245 N | 253 | 3.3 |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D DRAFT DO NOT CITE

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | SERIAL | SD % |
| TYPE OF LOCATION | | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | DILUTION | DIFFERENCE |
| SAMPLE NUMBER | | IN822012C | IN822023C | IN822034C | IN822045C | IN822056C | IN822056C | IN822056C |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| NICKEL | P | 20 | 22 | 20 | 19 | 23 | 4.5 U | |
| SELENIUM | P | 7 U | 7.6 U | 7.1 U | 7.5 U | 7.6 U | 38 U | |
| SILVER | P | 0.84 U | 0.91 U | 0.85 U | 0.91 U | 0.91 U | 4.5 U | |
| SODIUM | P | 256 B | 306 B | 289 B | 284 B | 261 B | 279 B | |
| VANADIUM | P | 23 | 33 | 29 | 22 | 30 | 30 | |
| ZINC | P | 64 | 66 | 61 | 49 | 62 | 62 | 0 |
| % SOLIDS | | 95 | 95 | 94.7 | 94.1 | 92 | 92 | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE | MATRIX | MS % | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | | RPD | SPIKE | RECOVERY | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN822056C | IN822056C | IN822056C | IN822056C | INCCV1209 | INCCV1302 | INCCV1373 |
| MATRIX | | SOIL | | SOIL | | WATER | WATER | WATER |
| UNITS | | MG/KG | % | MG/KG | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | | | |
| ALUMINUM | P | 8940 | 1.7 | 10600 | | 100000 | 1080 | |
| ANTIMONY | P | 7.6 U | | 26 | 35 | | 981 | |
| ARSENIC | P | 9.1 U | | 78 | 105 | | 1050 | |
| BARIUM | P | 143 | 2 | 435 | 97 | | 969 | |
| BERYLLIUM | P | 1.2 | 0 | 8.4 | 97 | | 250 | |
| CADMIUM | P | 0.28 B | | 6.8 | 89 | | 241 | |
| CALCIUM | P | 11600 | 35 | 17900 | | | 25900 | 5090 |
| CHROMIUM | P | 21 | 0 | 51 | 100 | | 246 | |
| COBALT | P | 5 B | | 75 | 94 | | 239 | |
| COPPER | P | 19 | 15 | 55 | 89 | | 253 | |
| IRON | P | 16500 | 7.6 | 17900 | | 106000 | 960 | |
| LEAD | P | 9.2 B | | 83 | 99 | | 2380 | |
| MAGNESIUM | P | 4540 | 6.4 | 5280 | | 49200 | | 4820 B |
| MANGANESE | P | 253 | 3.2 | 401 | 211 | 49900 | 244 | |
| NICKEL | P | 23 | 0 | 89 | 89 | | 229 | |
| SELENIUM | P | 7.6 U | | 80 | 108 | | 1020 | |
| SILVER | P | 0.91 U | | 7.7 | 104 | | 244 | |
| SODIUM | P | 253 B | | 322 B | | 101000 | | 4790 B |
| VANADIUM | P | 32 | 3 | 115 | 116 | | 251 | |
| ZINC | P | 62 | 0 | 133 | 96 | | 1450 | |
| % SOLIDS | | 92 | | 92 | | | | |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCB1079 | IN822067C | IN822078C | IN822089C | IN822090C | INCCV1210 | INCCV1303 |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | 8 | 8 | 8 | 8 | | |
| ALUMINUM | P | 50 U | 9920 | 10300 | 9370 | 8920 | 99300 | 1070 |
| ANTIMONY | P | 50 U | 7.3 UN | 7.1 UN | 7.5 UN | 7.4 UN | | 987 |
| ARSENIC | P | 60 U | 8.8 U | 8.5 U | 9 U | 8.9 U | | 1060 |
| BARIUM | P | 1 U | 148 | 116 | 142 | 133 | | 976 |
| BERYLLIUM | P | 0.3 U | 1.2 | 1.1 | 1.3 | 1.2 | | 253 |
| CADMIUM | P | 1 U | 0.27 B | 0.29 B | 0.23 B | 0.33 B | | 241 |
| CALCIUM | P | 150 U | 24100 * | 8080 * | 43100 * | 35600 * | | 26100 |
| CHROMIUM | P | 5 U | 22 | 22 | 22 | 19 | | 249 |
| COBALT | P | 2 U | 6.2 B | 5.9 B | 5.7 B | 4.9 B | | 240 |
| COPPER | P | 10 U | 19 | 25 | 23 | 15 | | 256 |
| IRON | P | 20 U | 16500 | 21200 | 20900 | 13800 | 105000 | 971 |
| LEAD | P | 30 U | 7.7 B | 7.2 B | 7.4 B | 5.4 B | | 2390 |
| MAGNESIUM | P | 10 U | 8920 | 4160 | 4950 | 7960 | 48700 | |
| MANGANESE | P | 5 U | 244 N | 350 N | 271 N | 193 N | 48300 | 246 |
| NICKEL | P | 6 U | 24 | 26 | 32 | 20 | | 228 |
| SELENIUM | P | 50 U | 7.3 U | 7.1 U | 7.5 U | 7.4 U | | 1020 |
| SILVER | P | 6 U | 0.88 U | 0.85 U | 0.9 U | 0.89 U | | 248 |
| SODIUM | P | 170 U | 331 B | 299 B | 341 B | 318 B | 102000 | |
| VANADIUM | P | 4 U | 32 | 38 | 32 | 29 | | 256 |
| ZINC | P | 8 U | 67 | 59 | 61 | 59 | | 1460 |
| % SOLIDS | | | 92.8 | 91.8 | 91.2 | 94.2 | | |

| AREA | METHOD | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1374 | INCCB1080 | INLRA2172 | INICS1757 | INICS1775 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | |
| ALUMINUM | P | | 50 U | | 508000 | 517000 |
| ANTIMONY | P | | 50 U | 119 | 50 U | 166 |
| ARSENIC | P | | 60 U | 515 | 60 U | 60 U |
| BARIUM | P | | 1 U | | 9.8 B | 437 |
| BERYLLIUM | P | | 0.3 U | 9.7 | 3.9 B | 441 |
| CADMIUM | P | | 1 U | 41 | 2.4 B | 813 |
| CALCIUM | P | 5070 | 150 U | | 492000 | 495000 |

TABLE D.2.53 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCV1374 | INCCB1080 | INLRA2172 | INICS1757 | INICS1775 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | |
| CHROMIUM | P | | 5 U | 18 | 15 | 433 |
| COBALT | P | | 2 U | 98 | 6 B | 405 |
| COPPER | P | | 10 U | 54 | 10 U | 492 |
| IRON | P | | 20 U | | 220000 | 222000 |
| LEAD | P | | 30 U | 500 | 30 U | 4090 |
| MAGNESIUM | P | 4820 B | 10 U | | 511000 | 521000 |
| MANGANESE | P | | 5 U | 31 | 7.2 B | 435 |
| NICKEL | P | | 6 U | 77 | 11 B | 746 |
| SELENIUM | P | | 50 U | 477 | 50 U | 50 U |
| SILVER | P | | 6 U | 33 | 6 U | 938 |
| SODIUM | P | 4740 B | 170 U | | 1230 B | 1270 B |
| VANADIUM | P | | 4 U | 98 | 4 U | 426 |
| ZINC | P | | 8 U | 43 | 8 U | 872 |
| % SOLIDS | | | | | | |

TABLE D.2.54 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1914 | INLCS2149 | INRAN2311 | INICV1878 | INICB1728 | INPB02264 | INPB02265 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 990 B | 100 U | 0.1 U | 0.2 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | INLCS2112 | INCCV1211 | INCCB1081 | INCCV1212 | INCCB1082 | INCCV1213 | INCCB1083 |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 260 | 990 B | 100 U | 1000 B | 100 U | 990 B | 100 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TAN/TSF | TAN/TSF | TAN/TSF |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | LEACH FLD | LEACH FLD | LEACH FLD |
| SAMPLE NUMBER | | IN514019D | IN514020D | IN514042D | IN514053D | IN820010C | IN820021C | IN820032C |
| MATRIX | | SEDIM | SEDIM | SEDIM | SEDIM | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 8 | 8 | 8 |
| POTASSIUM | FE | 3700 | 4200 | 3000 | 2600 | 2400 | 3100 | 3500 |
| % SOLIDS | | 66.8 | 62.3 | 64 | 74.5 | 89.2 | 85.8 | 85.7 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | TAN/TSF | TAN/TSF | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH FLD | LEACH FLD | LEACH FLD | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN820043C | IN820054C | IN820065C | INCCV1214 | INCCB1084 | IN808014B | IN808025B |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 8 | 8 | 8 | | | 5 | 5 |
| POTASSIUM | FE | 3000 | 3000 | 3300 | 990 B | 100 U | 3000 | 3900 |
| % SOLIDS | | 89.1 | 87.4 | 86.1 | | | 84.7 | 88 |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD |
| SAMPLE NUMBER | | IN808036B | IN808047B | IN808058B | IN822012C | IN822023C | IN822034C | IN822045C |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | 8 | 8 | 8 | 8 |
| POTASSIUM | FE | 3400 | 3300 | 4400 | 1100 | 1600 | 1600 | 1200 |
| % SOLIDS | | 89.3 | 91.1 | 93.3 | 95 | 95 | 94.7 | 94.1 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | CONTINUING | CONTINUING | DUPLICATE | DUPLICATE | TAN/TSF | TAN/TSF |
| TYPE OF LOCATION | | LEACH FLD | CAL FOUND | CAL BLANK | | RPD | LEACH FLD | LEACH FLD |
| SAMPLE NUMBER | | IN822056C | INCCV1215 | INCCB1085 | IN822056C | IN822056C | IN822067C | IN822078C |
| MATRIX | | SOIL | WATER | WATER | SOIL | | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 8 | | | 8 | 8 | 8 | 8 |
| POTASSIUM | FE | 1400 | 990 B | 100 U | 1600 | 200 | 1600 | 1500 |
| % SOLIDS | | 92 | | | 92 | | 92.8 | 91.8 |

TABLE D.2.54 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514019K

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | TAN/TSF | TAN/TSF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | LEACH FLD | LEACH FLD | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN822089C | IN822090C | INCCV1216 | INCCB1086 |
| MATRIX | | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 8 | 8 | | |
| POTASSIUM | FE | 1600 | 1500 | 990 B | 100 U |
| % SOLIDS | | 91.2 | 94.2 | | |

TABLE D.2.55 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514053C

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CRDL STAND |
| TYPE OF LOCATION | | WASTE POND | TRUE A | FOUND A | BLANK 1 | BLANK | BLANK 2 | TRUE |
| SAMPLE NUMBER | | IN514020C | IN2AA1026 | IN2AA2026 | IN03A0026 | IN03A0026 | IN03B0026 | IN2B10010 |
| MATRIX | | SEDIM | WATER | WATER | WATER | SOIL | SOIL | WATER |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | 3 | | | | | | |
| CHROMIUM | F | 27 | 25 | 26 | 0.82 U | 0.16 U | 0.16 U | 10 |
| % SOLIDS | | 73.8 | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | LAB CONTROL | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | FINAL | SAMPLE TRUE | SAMPLE | CAL TRUE | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN2B10010 | IN0710026 | IN0710026 | IN2AA3026 | IN2AA4026 | IN03A1026 | IN517012D |
| MATRIX | | WATER | SOIL | SOIL | WATER | WATER | WATER | SEDIM |
| UNITS | | UG/L | MG/KG | MG/KG | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | | | | | | | 3 |
| CHROMIUM | F | 10 | 17 | 8.9 | 25 | 27 | 0.82 U | 17 |
| % SOLIDS | | | | | | | | 83.5 |

| AREA | METHOD | | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN517023D | IN2AA5026 | IN03A2026 | IN517045D | IN517056D | IN2AB4025 | IN03A3026 |
| MATRIX | | SEDIM | WATER | WATER | SEDIM | SEDIM | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | | | 3 | 3 | | |
| CHROMIUM | F | 19 | 26 | 0.82 U | 23 | 17 | 26 | 0.82 U |
| % SOLIDS | | 82.7 | | | 82 | 81.4 | | |

TABLE D.2.55 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN514053C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | FOUND A | BLANK 2 | TRUE | FINAL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN2AC2009 | IN03B0026 | IN2B20009 | IN2B20009 | IN511027B | IN511049B | IN511016B |
| MATRIX | | WATER | WATER | WATER | WATER | SEDIM | SEDIM | SEDIM |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 | 3 |
| CHROMIUM | F | 25 | 0.82 U | 10 | 8.7 | 29 | 39 | 35 |
| % SOLIDS | | | | | | 67.6 | 46.4 | 72.9 |

| AREA | METHOD | QA | QA | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | TRA 1952 |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK | WASTE POND |
| SAMPLE NUMBER | | IN2AC4009 | IN03B4026 | IN511050B | IN514019C | IN2AC5009 | IN03B5026 | IN514042C |
| MATRIX | | WATER | WATER | SEDIM | SEDIM | WATER | WATER | SEDIM |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | | | 3 |
| CHROMIUM | F | 27 | 0.82 U | 30 | 27 | 25 | 0.82 U | 29 |
| % SOLIDS | | | | 70.3 | 70.6 | | | 72.6 |

| AREA | METHOD | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX | CONTINUING | CONTINUING | |
| TYPE OF LOCATION | | WASTE POND | | RPD | SPIKE | CAL FOUND | CAL BLANK | |
| SAMPLE NUMBER | | IN514053C | IN514053C | IN514053C | IN514053C | IN2AD4004 | IN03B6026 | |
| MATRIX | | SEDIM | SEDIM | | SEDIM | WATER | WATER | |
| UNITS | | MG/KG | MG/KG | % | MG/KG | UG/L | UG/L | |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | | |
| CHROMIUM | F | 20 | 20 | 1.5 | 25 | 24 | 0.82 U | |
| % SOLIDS | | 77.8 | | | | | | |

TABLE D.2.56 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN515010C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1027 | IN2AA2027 | IN03A0027 | IN2B10011 | IN2B10011 | IN03A0027 | IN03B0027 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 27 | 0.82 U | 10 | 9.4 | 0.26 B | 0.32 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE | CAL TRUE | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN0711001 | IN0711001 | IN2AA3027 | IN2AA4027 | IN03A1027 | IN2AB2026 | IN03B0027 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 17 | 10 | 25 | 25 | 0.82 U | 26 | 0.9 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | TRUE | FINAL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | IN2B20010 | IN2B20010 | IN512017B | IN515010C | IN515021C | IN515032C | IN2AB4026 |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | |
| CHROMIUM | F | 10 | 11 | 22 | 74 | 33 | 38 | 25 |
| % SOLIDS | | | | 81.3 | 85.5 | 83.9 | 86.5 | |

TABLE D.2.56 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN515010C

DRAFT DO NOT CITE

| AREA | METHOD | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | DUPLICATE | DUPLICATE | MATRIX | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | | RPD | SPIKE | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN03B4027 | IN512028B | IN512028B | IN512028B | IN512028B | IN2AB5026 | IN03B5027 |
| MATRIX | | WATER | SOIL | SOIL | | SOIL | WATER | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | % | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | | |
| CHROMIUM | F | 0.9 B | 29 | 28 | 1.1 | 29 | 25 | 0.82 U |
| % SOLIDS | | | 82.7 | | | | | |

TABLE D.2.57 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN519014D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0028 | IN2AA1028 | IN2AA2028 | IN0710027 | IN0710027 | IN03A1028 | IN2AA3028 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 10 | 11 | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | PREP BLANK | PREP BLANK 2 | TRA 1952 WASTE POND | DUPLICATE | TRA 1952 WASTE POND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4028 | IN03A0028 | IN03B0028 | IN519014D | IN519025D | IN519025D | IN03A2028 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 | |
| MERCURY | CV | 10 | 0.05 B | 0.04 B | 0.03 B | 0.04 B | 0.04 B | 0.02 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA5028 | IN519036D | IN519036D | IN519036D | IN519047D | IN519058D | IN519069D |
| MATRIX | | WATER | WATER | WATER | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | % | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 0.04 B | 1.2 | 116 | 0.04 B | 0.04 B | 0.03 B |
| % SOLIDS | | | | | | | | |

TABLE D.2.57 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN519014D

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CFA STP | CONTINUING | CONTINUING | CFA STP | CFA STP | CFA STP | CFA STP |
| TYPE OF LOCATION | | CFA STP | CAL BLANK | CAL FOUND | CFA STP | CFA STP | CFA STP | CFA STP |
| SAMPLE NUMBER | | IN523010D | IN03A3028 | IN2AB4027 | IN523021D | IN523032D | IN523134B | IN523145A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 4 | | | 4 | 4 | 4 | 4 |
| MERCURY | CV | 0.08 B | 0.02 U | 10 | 0.17 | 0.14 | 0.02 B | 0.02 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN03B4028 | IN2AB5027 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| MERCURY | CV | 0.02 U | 11 |
| % SOLIDS | | | |

TABLE D.2.58 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522019C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0029 | IN2AA1029 | IN2AA2029 | IN03A0029 | IN03B0029 | IN03A1029 | IN2AA3029 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.01 B | 0.01 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | BURN PITS | BURN PITS | BURN PITS | CAL BLANK |
| SAMPLE NUMBER | | IN2AA4029 | IN0710028 | IN0710028 | IN818016D | IN818027D | IN818038D | IN03A2029 |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | 7 | 7 | 7 | |
| MERCURY | CV | 10 | 19 | 19 | 0.02 B | 0.02 B | 0.06 | 0.02 U |
| % SOLIDS | | | | | 91.7 | 91.1 | 91.1 | |

| AREA | METHOD | QA | | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | DUPLICATE | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | | CAL FOUND | BURN PITS | | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | | IN2AA5029 | IN818049D | IN818049D | IN522019C | IN522020C | IN522031C | IN522042C |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 3 | 3 | 3 | 3 |
| MERCURY | CV | 10 | 0.02 B | 0.02 B | 0.04 B | 0.06 | 0.06 B | 0.14 |
| % SOLIDS | | | 93.7 | | 62.4 | 78.4 | 71.5 | 71.8 |

TABLE D.2.58 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522019C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN03A3029 | IN2AB4028 | IN522053C | IN522064C | IN805011B | IN805022B | IN805033B |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 5 | 5 | 5 |
| MERCURY | CV | 0.02 U | 10 | 0.02 B | 0.02 B | 0.02 B | 0.02 B | 0.01 B |
| % SOLIDS | | | | 70.8 | 70.8 | 90.9 | 85.8 | 89.3 |

| AREA | METHOD | | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | MATRIX | MS % |
| TYPE OF LOCATION | | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | LEACH POND | SPIKE | RECOVERY |
| SAMPLE NUMBER | | IN805044B | IN03B4029 | IN2AB5028 | IN805055B | IN805066B | IN805066B | IN805066B |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 5 | | | 5 | 5 | 5 | 5 |
| MERCURY | CV | 0.02 B | 0.02 U | 10 | 0.02 B | 0.02 B | 0.22 | 89 |
| % SOLIDS | | 84.5 | | | 85.4 | 86.8 | | |

| AREA | METHOD | QA | QA |
|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN03B5029 | IN2AC4010 |
| MATRIX | | WATER | WATER |
| UNITS | | UG/L | UG/L |
| ENV PROBLEM NO | | | |
| MERCURY | CV | 0.02 U | 10 |
| % SOLIDS | | | |

TABLE D.2.59 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522064C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1030 | IN2AA2030 | IN03A0030 | IN2B10012 | IN2B10012 | IN03A0030 | IN03B0030 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 26 | 0.82 U | 10 | 10 | 0.16 U | 0.16 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE | CAL TRUE | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN0710029 | IN0710029 | IN2AA3030 | IN2AA4030 | IN03A1030 | IN2AB2029 | IN03B0030 |
| MATRIX | | SOIL | SOIL | WATER | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 17 | 8.3 | 25 | 24 | 0.82 U | 25 | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | TRUE | FINAL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | IN2B20011 | IN2B20011 | IN522019C | IN522020C | IN522031C | IN522042C | IN2AB4029 |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 3 | |
| CHROMIUM | F | 10 | 9.4 | 66 | 31 | 39 | 51 | 24 |
| % SOLIDS | | | | 62.4 | 78.4 | 71.5 | 69.8 | |

TABLE D.2.59 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522064C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | TRA 1952 | DUPLICATE |
| TYPE OF LOCATION | | CAL BLANK | FOUND A | BLANK 3 | TRUE | FINAL | WASTE POND | |
| SAMPLE NUMBER | | IN03B4030 | IN2AC2011 | IN03C0004 | IN2B30004 | IN2B30004 | IN522064C | IN522064C |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 3 | 3 |
| CHROMIUM | F | 0.82 U | 26 | 0.82 U | 10 | 10 | 23 | 24 |
| % SOLIDS | | | | | | | 70.8 | |

| AREA | METHOD | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | MATRIX | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RPD | SPIKE | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN522064C | IN522064C | IN522053C | IN2AC4011 | IN03C7004 |
| MATRIX | | | SOIL | SOIL | WATER | WATER |
| UNITS | | % | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | | |
| CHROMIUM | F | 6.4 | 26 | 15 | 25 | 0.82 U |
| % SOLIDS | | | | 70.8 | | |

TABLE D.2.60 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522075F

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | BLANK | BLANK 2 |
| SAMPLE NUMBER | | IN2AA1031 | IN2AA2031 | IN03A0030 | IN2B10013 | IN2B10013 | IN03A0030 | IN03B0031 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | F | 25 | 26 | 0.82 U | 10 | 10 | 0.82 U | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | LAB CONTROL | TRA 1952 | DUPLICATE | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | SAMPLE TRUE | SAMPLE' | WASTE POND | | CAL TRUE | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN0710030 | IN0710030 | IN522075F | IN522075F | IN2AA3031 | IN2AA4031 | IN03A1030 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 3 | 3 | | | |
| CHROMIUM | F | 100 | 102 | 0.82 U | 0.82 U | 25 | 25 | 0.82 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN504017A | IN504028A | IN504039A | IN504040A | IN504051A | IN2AA5031 | IN03A2030 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | | |
| CHROMIUM | F | 3 B | 6.2 B | 6.3 B | 3.3 B | 3.3 B | 24 | 0.82 U |
| % SOLIDS | | | | | | | | |

TABLE D.2.60 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN522075F

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | WASTE POND | WASTE POND | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 | TRUE |
| SAMPLE NUMBER | | IN507010D | IN507043D | IN2AB4030 | IN03A3030 | IN2AC2012 | IN03B0031 | IN2B20012 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 3 | 3 | | | | | |
| CHROMIUM | F | 4.6 B | 3 B | 24 | 0.82 U | 26 | 0.82 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | TRA 1952 | TRA 1952 | MATRIX | MS % | TRA 1952 | CONTINUING |
| TYPE OF LOCATION | | FINAL | WASTE POND | WASTE POND | SPIKE | RECOVERY | WASTE POND | CAL FOUND |
| SAMPLE NUMBER | | IN2B20012 | IN504062A | IN507021D | IN507043D | IN507043D | IN507054D | IN2AC4012 |
| MATRIX | | WATER | WATER | WATER | WATER | | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 | |
| CHROMIUM | F | 9.8 | 5.4 B | 90 | 23 | 98 | 44 | 26 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN03B4031 | IN516011G | IN516022G | IN516044G | IN516055G | IN03B5031 | IN2AC5012 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | | |
| CHROMIUM | F | 0.82 U | 8.8 B | 5.3 B | 30 | 7.5 B | 0.82 U | 25 |
| % SOLIDS | | | | | | | | |

TABLE D.2.61 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0034 | IN2AA1035 | IN2AA2035 | IN03A0034 | IN03B0035 | IN03A1034 | IN2AA3035 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | IN2AA4035 | IN0710034 | IN0710034 | IN816092G | IN816105G | IN816116G | IN816127G |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 10 | 19 | 19 | 0.08 | 0.05 | 0.07 | 0.06 |
| % SOLIDS | | | | | 94.5 | 96.8 | 76.8 | 79.9 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | IN03A2034 | IN2AA5035 | IN816138G | IN816150G | IN816161G | IN816183G | IN816207G |
| SAMPLE NUMBER | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | 7 | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 0.06 | 0.05 B | 0.1 | 0.04 B | 0.04 |
| % SOLIDS | | | | 95.2 | 96.5 | 89.4 | 84.4 | 97.3 |

TABLE D.2.61 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017C

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | LEACH POND | | SPIKE |
| SAMPLE NUMBER | | IN801017C | IN03A3034 | IN2AB4034 | IN801028C | IN801039C | IN801039C | IN801039C |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | 5 | 5 | 5 | 5 |
| MERCURY | CV | 0.03 B | 0.01 U | 10 | 0.05 | 0.03 B | 0.03 B | 0.23 |
| % SOLIDS | | 92.7 | | | 92.1 | 91.5 | | |

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | MS % | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RECOVERY | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN801039C | IN03B4035 | IN2AB5034 |
| MATRIX | | | WATER | WATER |
| UNITS | | % | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | | |
| MERCURY | CV | 100 | 0.01 U | 9.8 |
| % SOLIDS | | | | |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1830 | INICS1848 | INICV1915 | INICV1956 | INICV1992 | INLCS2150 | INLRA2209 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2312 | INRAN2335 | INICV1879 | INICV1938 | INICV1974 | INICB1735 | INLRA2191 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 100000 | 1070 | | 50 U | |
| ANTIMONY | P | 10000 | | | 1000 | | 50 U | 109 |
| ARSENIC | P | 20000 | | | 1060 | | 60 U | 490 |
| BARIUM | P | 5000 | | | 987 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 253 | | 0.3 U | 9.1 |
| CADMIUM | P | 5000 | | | 243 | | 1 U | 9.3 |
| CALCIUM | P | 20000 | 800000 | | 26200 | 5220 | 150 U | |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2312 | INRAN2335 | INICV1879 | INICV1938 | INICV1974 | INICB1735 | INLRA2191 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 251 | | 5 U | 19 |
| COBALT | P | 10000 | | | 241 | | 2 U | 93 |
| COPPER | P | 10000 | | | 257 | | 10 U | 50 |
| IRON | P | 12000 | 1000000 | 108000 | 964 | | 20 U | |
| LEAD | P | 20000 | | | 2370 | | 30 U | 470 |
| MAGNESIUM | P | 12000 | 500000 | 49500 | | 4850 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 49900 | 248 | | 5 U | 29 |
| NICKEL | P | 15000 | | | 233 | | 6 U | 75 |
| SELENIUM | P | 10000 | | | 1080 | | 50 U | 490 |
| SILVER | P | 10000 | | | 249 | | 6 U | 33 |
| SODIUM | P | 25000 | 900000 | 102000 | | 5090 | 170 U | |
| VANADIUM | P | 10000 | | | 256 | | 4 U | 94 |
| ZINC | P | 6000 | | | 1470 | | 8 U | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | INICS1794 | INICS1812 | INPB02266 | INPB02267 | INLCS2113 | IN814012E | IN814023E |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| ALUMINUM | P | 517000 | 521000 | 50 U | 50 U | 454 | 17600 | 20000 |
| ANTIMONY | P | 50 U | 50 U | 50 U | 50 U | 233 | 7.7 UN | 7.7 UN |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 1030 | 11 B | 12 B |
| BARIUM | P | 9.4 B | 442 | 9 B | 1 U | 6.3 | 212 | 221 |
| BERYLLIUM | P | 3.8 B | 439 | 0.3 U | 0.3 U | 19 | 1.9 E | 2 E |
| CADMIUM | P | 1.8 B | 815 | 1.6 B | 1 U | 38 | 1.3 | 1.4 |
| CALCIUM | P | 494000 | 499000 | 150 U | 150 U | 212000 | 99600 | 102000 |
| CHROMIUM | P | 17 | 433 | 5 U | 5 U | 88 | 31 | 33 |
| COBALT | P | 7.4 B | 401 | 2 U | 2 U | 127 | 7.8 | 7.6 B |
| COPPER | P | 10 U | 493 | 10 U | 10 U | 6870 | 27 | 27 |
| IRON | P | 225000 | 226000 | 22 B | 20 U | 23000 | 22500 | 22000 |
| LEAD | P | 30 U | 4010 | 30 U | 30 U | 191 | 23 B | 14 B |
| MAGNESIUM | P | 516000 | 523000 | 10 U | 10 U | 124000 | 14100 E | 14600 E |
| MANGANESE | P | 6.8 B | 436 | 5 U | 5 U | 192 | 466 E | 481 E |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | INICS1794 | INICS1812 | INPB02266 | INPB02267 | INLCS2113 | IN814012E | IN814023E |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| NICKEL | P | 6.1 B | 773 | 6 U | 6 U | 54 | 33 | 34 |
| SELENIUM | P | 60 B | 50 U | 50 U | 50 U | 50 | 7.7 U | 7.7 U |
| SILVER | P | 7.4 B | 926 | 6 U | 6 U | 26 | 1.6 | 1.5 B |
| SODIUM | P | 1300 B | 1380 B | 170 U | 170 U | 554 | 1220 | 1230 |
| VANADIUM | P | 4 U | 421 | 4 U | 4 U | 62 | 46 E | 53 E |
| ZINC | P | 8 U | 871 | 11 B | 10 B | 180 | 111 | 114 |
| % SOLIDS | | | | | | | 93.8 | 89.6 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN814034E | INCCV1217 | INCCV1304 | INCCV1375 | INCCB1087 | IN814045E | IN814056E |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | | | | | 7 | 7 |
| ALUMINUM | P | 20100 | 101000 | 1080 | | 50 U | 21900 | 19900 |
| ANTIMONY | P | 7.6 UN | | 1000 | | 50 U | 7.6 UN | 7.5 UN |
| ARSENIC | P | 11 B | | 1080 | | 60 U | 11 B | 9 U |
| BARIUM | P | 229 | | 988 | | 1 U | 234 | 252 |
| BERYLLIUM | P | 2 E | | 253 | | 0.3 U | 2.1 E | 1.9 E |
| CADMIUM | P | 1.5 | | 243 | | 1 U | 2.1 | 1.1 |
| CALCIUM | P | 98700 | | 26600 | 5120 | 150 U | 101000 | 85200 |
| CHROMIUM | P | 34 | | 251 | | 5 U | 36 | 35 |
| COBALT | P | 7.9 | | 243 | | 2 U | 7.9 | 8.7 |
| COPPER | P | 28 | | 256 | | 10 U | 27 | 112 |
| IRON | P | 22200 | 107000 | 973 | | 20 U | 22700 | 25000 |
| LEAD | P | 14 B | | 2400 | | 30 U | 16 B | 17 B |
| MAGNESIUM | P | 14400 E | 49300 | | 4850 B | 10 U | 14400 E | 13900 E |
| MANGANESE | P | 487 E | 49100 | 247 | | 5 U | 474 E | 517 E |
| NICKEL | P | 34 | | 232 | | 6 U | 35 | 42 |
| SELENIUM | P | 7.6 U | | 1040 | | 50 U | 7.6 U | 7.5 U |
| SILVER | P | 1.7 | | 257 | | 6 U | 1.5 B | 2.2 |
| SODIUM | P | 1130 | 103000 | | 4980 B | 170 U | 1250 | 1190 |
| VANADIUM | P | 53 E | | 258 | | 4 U | 58 E | 55 E |
| ZINC | P | 119 | | 1470 | | 8 U | 117 | 119 |
| % SOLIDS | | 90.9 | | | | | 90 | 93 |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | SERIAL | SD % | DUPLICATE |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | DILUTION | DIFFERENCE | |
| SAMPLE NUMBER | | IN814067E | IN814078E | IN814089E | IN814103E | IN814103E | IN814103E | IN814103E |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ALUMINUM | P | 19500 | 19500 | 18000 | 15900 | 16200 | 1.9 | 17100 |
| ANTIMONY | P | 7.8 UN | 7.6 UN | 7.8 UN | 7.5 UN | 57 | | 7.6 U |
| ARSENIC | P | 9.3 B | 9.4 B | 9.4 U | 9.1 B | 45 U | | 9.1 U |
| BARIUM | P | 236 | 221 | 227 | 205 | 218 | 6.3 | 208 |
| BERYLLIUM | P | 2 E | 2 E | 1.9 E | 1.8 E | 3.4 | 89 | 1.8 |
| CADMIUM | P | 1.1 | 0.96 | 0.98 | 1 | 0.75 U | | 0.97 |
| CALCIUM | P | 91800 | 97200 | 87700 | 88000 | 94000 | 6.8 | 84600 |
| CHROMIUM | P | 33 | 33 | 33 | 30 | 33 | | 32 |
| COBALT | P | 7.9 | 7.7 | 8 | 7.9 | 9 | | 8.2 |
| COPPER | P | 27 | 27 | 28 | 31 | 33 | | 32 |
| IRON | P | 22300 | 22000 | 21900 | 22300 | 23700 | 6.3 | 24100 |
| LEAD | P | 16 B | 16 B | 15 B | 16 B | 23 B | | 26 B |
| MAGNESIUM | P | 14000 E | 14100 E | 13600 E | 13900 E | 15400 | 11 | 13700 |
| MANGANESE | P | 475 E | 480 E | 455 E | 450 E | 396 | 12 | 450 |
| NICKEL | P | 34 | 34 | 32 | 33 | 12 | | 32 |
| SELENIUM | P | 7.8 U | 7.6 U | 7.8 U | 7.5 U | 44 B | | 7.6 U |
| SILVER | P | 1.4 B | 1.3 B | 1.3 B | 1.9 | 4.5 U | | 1.7 |
| SODIUM | P | 1160 | 1130 | 968 | 1180 | 908 | | 1210 |
| VANADIUM | P | 52 E | 51 E | 53 E | 46 E | 54 | 17 | 51 |
| ZINC | P | 113 | 118 | 107 | 344 | 369 | 7.3 | 313 |
| % SOLIDS | | 88.9 | 89.4 | 89.1 | 90.4 | 90.4 | | 90.4 |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | MATRIX | MS % | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN814103E | IN814103E | IN814103E | IN814114E | INCCV1218 | INCCV1305 | INCCV1376 |
| MATRIX | | | SOIL | | SOIL | WATER | WATER | WATER |
| UNITS | | % | MG/KG | % | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| ALUMINUM | P | 7.3 | 18700 | | 20100 | 99600 | 1080 | |
| ANTIMONY | P | | 23 | 31 | 8.4 UN | | 998 | |
| ARSENIC | P | | 85 | 101 | 10 U | | 1050 | |
| BARIUM | P | 1.5 | 492 | 96 | 237 | | 969 | |
| BERYLLIUM | P | 0 | 8.8 | 93 | 2 E | | 249 | |
| CADMIUM | P | 0.02 | 7.1 | 80 | 1.1 | | 240 | |
| CALCIUM | P | 3.9 | 85300 | | 90800 | | 26000 | 5000 |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | MATRIX | MS % | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN814103E | IN814103E | IN814103E | IN814114E | INCCV1218 | INCCV1305 | INCCV1376 |
| MATRIX | | | SOIL | | SOIL | WATER | WATER | WATER |
| UNITS | | % | MG/KG | % | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| CHROMIUM | P | 6.5 | 60 | 97 | 37 | | 248 | |
| COBALT | P | 0.3 | 72 | 85 | 8.4 | | 238 | |
| COPPER | P | 3.2 | 65 | 92 | 39 | | 249 | |
| IRON | P | 7.8 | 23100 | | 25000 | 106000 | 960 | |
| LEAD | P | | 86 | 93 | 34 | | 2350 | |
| MAGNESIUM | P | 1.4 | 13900 | | 14300 E | 48900 | | 4760 B |
| MANGANESE | P | 0 | 536 | 115 | 503 E | 48000 | 242 | |
| NICKEL | P | 3.1 | 94 | 81 | 37 | | 232 | |
| SELENIUM | P | | 79 | 105 | 8.4 U | | 1000 | |
| SILVER | P | 0.2 | 9.2 | 97 | 2.7 | | 251 | |
| SODIUM | P | 30 | 1250 | | 1250 | 103000 | | 4970 B |
| VANADIUM | P | 10 | 127 | 108 | 58 E | | 254 | |
| ZINC | P | 9.4 | 414 | 93 | 142 | | 1440 | |
| % SOLIDS | | | 90.4 | | 85.3 | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | OMRE | OMRE | OMRE | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | BURN PITS | LEACH POND | LEACH POND | LEACH POND | TANK | TANK |
| SAMPLE NUMBER | | INCCB1088 | IN814125E | IN801017D | IN801028D | IN801039D | IN827017A | IN827039A |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 7 | 5 | 5 | 5 | 9 | 9 |
| ALUMINUM | P | 50 U | 14300 | 20100 | 19200 | 17400 | 9190 | 12000 |
| ANTIMONY | P | 50 U | 7.4 UN | 7.7 UN | 7.8 UN | 7.6 UN | 7.1 UN | 7.9 UN |
| ARSENIC | P | 60 U | 9.5 B | 9.3 U | 9.3 U | 9.2 U | 8.5 U | 9.5 U |
| BARIUM | P | 1 U | 187 | 247 | 217 | 201 | 157 | 211 |
| BERYLLIUM | P | 0.3 U | 1.7 E | 1.9 E | 1.8 E | 1.7 E | 1.2 E | 1.5 E |
| CADMIUM | P | 1 U | 0.82 | 0.53 B | 0.59 B | 0.59 B | 0.61 B | 0.41 B |
| CALCIUM | P | 150 U | 97200 | 71200 | 67800 | 76800 | 24700 | 27000 |
| CHROMIUM | P | 5 U | 30 | 29 | 29 | 25 | 28 | 24 |
| COBALT | P | 2 U | 6.3 B | 8.5 | 8 | 6.6 B | 5.7 B | 6.3 B |
| COPPER | P | 10 U | 21 | 17 | 17 | 17 | 24 | 18 |
| IRON | P | 20 U | 17500 | 22300 | 21200 | 18300 | 17100 | 19200 |
| LEAD | P | 30 U | 9.5 B | 6.2 B | 8.2 B | 7.4 B | 10 B | 9.5 B |
| MAGNESIUM | P | 10 U | 14600 E | 17500 E | 16600 E | 17600 E | 5160 E | 6370 E |
| MANGANESE | P | 5 U | 399 E | 494 E | 462 E | 395 E | 251 E | 310 E |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | OMRE | OMRE | OMRE | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | BURN PITS | LEACH POND | LEACH POND | LEACH POND | TANK | TANK |
| SAMPLE NUMBER | | INCCB1088 | IN814125E | IN801017D | IN801028D | IN801039D | IN827017A | IN827039A |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 7 | 5 | 5 | 5 | 9 | 9 |
| NICKEL | P | 6 U | 26 | 24 | 25 | 21 | 21 | 21 |
| SELENIUM | P | 50 U | 7.4 U | 7.7 U | 7.8 U | 7.6 U | 7.1 U | 7.9 U |
| SILVER | P | 6 U | 1.3 B | 1.2 B | 1.2 B | 1.5 B | 1.1 B | 1.3 B |
| SODIUM | P | 170 U | 882 | 2160 | 901 | 1010 | 299 B | 332 B |
| VANADIUM | P | 4 U | 46 E | 50 E | 43 E | 42 E | 36 E | 43 E |
| ZINC | P | 18 B | 82 | 63 | 66 | 65 | 72 | 72 |
| % SOLIDS | | | 92.4 | 92.2 | 89.6 | 92.1 | 96.5 | 93.8 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN827051A | IN827119A | IN827131A | IN827153A | INCCV1219 | INCCV1306 | INCCV1377 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| ALUMINUM | P | 9340 | 8740 | 5570 | 8080 | 95300 | 1040 | |
| ANTIMONY | P | 7.1 UN | 7.3 UN | 7.3 UN | 7.1 UN | | 975 | |
| ARSENIC | P | 8.6 U | 8.7 U | 8.7 U | 8.6 U | | 1050 | |
| BARIUM | P | 170 | 144 | 115 | 147 | | 965 | |
| BERYLLIUM | P | 1.2 E | 1.2 E | 1 E | 1.1 E | | 249 | |
| CADMIUM | P | 0.52 B | 0.45 B | 0.35 B | 0.41 B | | 238 | |
| CALCIUM | P | 24400 | 28600 | 32400 | 20800 | | 25900 | 5030 |
| CHROMIUM | P | 27 | 24 | 15 | 21 | | 246 | |
| COBALT | P | 5.8 B | 5.9 B | 4.7 B | 5.4 B | | 238 | |
| COPPER | P | 19 | 21 | 13 | 20 | | 250 | |
| IRON | P | 16700 | 16300 | 12000 | 19100 | 105000 | 951 | |
| LEAD | P | 14 B | 8.2 B | 4.9 B | 8.3 B | | 2330 | |
| MAGNESIUM | P | 5130 E | 5530 E | 4150 E | 4780 E | 48700 | | 4690 B |
| MANGANESE | P | 255 E | 236 E | 234 E | 228 E | 49400 | 242 | |
| NICKEL | P | 20 | 22 | 16 | 18 | | 226 | |
| SELENIUM | P | 7.1 U | 7.3 U | 7.3 U | 7.1 U | | 1040 | |
| SILVER | P | 1.7 | 0.88 B | 0.87 U | 1.1 B | | 245 | |
| SODIUM | P | 408 B | 291 B | 250 B | 384 B | 100000 | | 4930 B |
| VANADIUM | P | 30 E | 31 E | 26 E | 35 E | | 250 | |
| ZINC | P | 68 | 62 | 36 | 60 | | 1440 | |
| % SOLIDS | | 96.2 | 94.1 | 95.5 | 96.3 | | | |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

| AREA | METHOD | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | INCCB1089 | IN827211A | IN827233A | IN827255A | INCCV1220 | INCCV1378 | INCCV1307 |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| UNITS | | | 9 | 9 | 9 | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 50 U | 7120 | 7680 | 9540 | 90600 | | 1050 |
| ANTIMONY | P | 50 U | 7.1 UN | 7.2 UN | 7.1 UN | | | 987 |
| ARSENIC | P | 60 U | 8.5 U | 8.6 U | 8.5 U | | | 1030 |
| BARIUM | P | 1 U | 119 | 153 | 170 | | | 970 |
| BERYLLIUM | P | 0.3 U | 1.1 E | 1.2 E | 1.2 E | | | 249 |
| CADMIUM | P | 1 U | 0.32 B | 0.45 B | 0.58 B | | | 239 |
| CALCIUM | P | 150 U | 28400 | 26800 | 21800 | | 5100 | 26000 |
| CHROMIUM | P | 5 U | 22 | 20 | 30 | | | 246 |
| COBALT | P | 2 U | 5.8 B | 5.3 B | 5.9 B | | | 238 |
| COPPER | P | 10 U | 24 | 14 | 22 | | | 249 |
| IRON | P | 20 U | 21000 | 14400 | 18900 | 106000 | | 948 |
| LEAD | P | 30 U | 5.4 B | 10 B | 13 B | | | 2330 |
| MAGNESIUM | P | 10 U | 6060 E | 4790 E | 5420 E | 48800 | 4710 B | |
| MANGANESE | P | 5 U | 199 E | 242 E | 247 E | 50500 | | 243 |
| NICKEL | P | 6 U | 21 | 17 | 21 | | | 232 |
| SELENIUM | P | 50 U | 7.1 U | 7.2 U | 7.1 U | | | 1040 |
| SILVER | P | 6 U | 0.88 B | 0.98 B | 1 B | | | 242 |
| SODIUM | P | 170 U | 288 B | 294 B | 424 B | 99800 | 5010 | |
| VANADIUM | P | 4 U | 32 E | 32 E | 34 E | | | 248 |
| ZINC | P | 8 U | 39 | 46 | 74 | | | 1430 |
| % SOLIDS | | | 94.8 | 95.2 | 97.3 | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CRDL STAND FINAL | INTER CHK SOL. A FINAL | INTER CHK SOL. AB FINA |
| TYPE OF LOCATION | | INCCB1090 | INLRA2173 | INICS1758 | INICS1776 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | |
| ENV PROBLEM NO | | | | | |
| ALUMINUM | P | 50 U | | 506000 | 506000 |
| ANTIMONY | P | 50 U | 127 | | 71 |
| ARSENIC | P | 60 U | 495 | | 60 U |
| BARIUM | P | 1 U | | 8.1 B | 436 |
| BERYLLIUM | P | 0.3 U | 9.5 | 3.9 B | 435 |
| CADMIUM | P | 1 U | 9.7 | 1.5 B | 808 |
| CALCIUM | P | 150 U | | 493000 | 494000 |

TABLE D.2.62 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1090 | INLRA2173 | INICS1758 | INICS1776 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | P | 5 U | 20 | 17 | 425 |
| COBALT | P | 2 U | 94 | 5.5 B | 396 |
| COPPER | P | 10 U | 51 | 10 U | 476 |
| IRON | P | 20 U | | 221000 | 221000 |
| LEAD | P | 30 U | 478 | 30 U | 3960 |
| MAGNESIUM | P | 10 U | | 521000 | 508000 |
| MANGANESE | P | 5 U | 30 | 7.1 B | 432 |
| NICKEL | P | 6 U | 77 | 6 U | 767 |
| SELENIUM | P | 50 U | 475 | | 50 U |
| SILVER | P | 6 U | 25 | 9.9 B | 886 |
| SODIUM | P | 170 U | | | 1380 B |
| VANADIUM | P | 4 U | 94 | 4 U | 406 |
| ZINC | P | 8 U | 41 | 8 U | 851 |
| % SOLIDS | | | | | |

TABLE D.2.63 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | LAB CONTROL SAMPLE TRUE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL BLANK | PREP BLANK | PREP BLANK |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICV1916 | INLCS2151 | INRAN2313 | INICV1880 | INICB1736 | INPB02268 | INPB02269 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 990 B | 100 U | 0.1 U | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL SAMPLE | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INLCS2114 | INCCV1221 | INCCB1091 | INCCV1222 | INCCB1092 | IN814012E | IN814023E |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| POTASSIUM | FE | 290 | 990 B | 100 U | 990 B | 100 U | 2400 | 3200 |
| % SOLIDS | | | | | | | 93.8 | 89.6 |

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF BURN PITS | CONTINUING CAL FOUND | CONTINUING CAL BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN814034E | INCCV1223 | INCCB1093 | IN814045E | IN814056E | IN814067E | IN814078E |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | | | 7 | 7 | 7 | 7 |
| POTASSIUM | FE | 3600 | 990 B | 100 U | 3700 | 3400 | 3500 | 3400 |
| % SOLIDS | | 90.9 | | | 90 | 93 | 88.9 | 89.4 |

TABLE D.2.63 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017K

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | DUPLICATE | DUPLICATE | TAN/WRRTF | TAN/WRRTF | OMRE |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | | RPD | BURN PITS | BURN PITS | LEACH POND |
| SAMPLE NUMBER | | IN814089E | IN814103E | IN814103E | IN814103E | IN814114E | IN814125E | IN801017D |
| MATRIX | | SOIL | SOIL | SOIL | | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | % | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| POTASSIUM | FE | 3200 | 2300 | 2600 | 300 | 3900 | 2800 | 3300 |
| % SOLIDS | | 89.1 | 90.4 | 90.4 | | 85.3 | 92.4 | 92.2 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | OMRE | OMRE | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCV1224 | INCCB1094 | IN801028D | IN801039D | IN827017A | IN827039A | IN827051A |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 5 | 5 | 9 | 9 | 9 |
| POTASSIUM | FE | 990 B | 100 U | 4400 | 3500 | 2100 | 2500 | 1900 |
| % SOLIDS | | | | 89.6 | 92.1 | 96.5 | 93.8 | 96.2 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | TANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN827119A | IN827131A | IN827153A | IN827211A | IN827233A | INCCV1225 | INCCB1095 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | | |
| POTASSIUM | FE | 1700 | 1000 | 1700 | 1400 | 1500 | 990 B | 100 U |
| % SOLIDS | | 94.1 | 95.5 | 96.3 | 94.8 | 95.2 | | |

TABLE D.2.63 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN801017K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | PM-2A TANK | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN827255A | INCCV1226 | INCCB1096 |
| MATRIX | | SOIL | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | | |
| POTASSIUM | FE | 2000 | 1000 B | 100 U |
| % SOLIDS | | 97.3 | | |

TABLE D.2.64 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN803053A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | LAB CONTROL | LAB CONTROL |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | TRUE | FINAL | SAMPLE TRUE | SAMPLE |
| SAMPLE NUMBER | | IN2AA1032 | IN2AA2032 | IN03A0031 | IN2B10014 | IN2B10014 | IN0710031 | IN0710031 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| ANTIMONY | F | 102 | 103 | 0.88 U | 60 | 61 | 20 U | 0.78 B |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | DUPLICATE | CONTINUING | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | | CAL TRUE | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN803019A | IN803019A | IN2AA3032 | IN2AA4032 | IN03A1031 | IN803020A | IN803031A |
| MATRIX | | SOIL | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | | | | 5 | 5 |
| ANTIMONY | F | 0.33 B | 0.33 B | 102 | 100 | 0.88 U | 0.35 B | 0.3 B |
| % SOLIDS | | 91.5 | | | | | 92 | 94.9 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN803042A | IN803053A | IN810018A | IN2AA5032 | IN03A2031 | IN810029A | IN811019A |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | 5 | 5 |
| ANTIMONY | F | 0.46 B | 0.35 B | 0.37 B | 103 | 0.88 U | 0.31 B | 0.27 B |
| % SOLIDS | | 94.3 | 93.8 | 94.6 | | | 94.6 | 96.3 |

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DMRE | MATRIX | MS % | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL |
| TYPE OF LOCATION | | LEACH POND | SPIKE | RECOVERY | CAL FOUND | CAL BLANK | FOUND A | BLANK 2 |
| SAMPLE NUMBER | | IN811020A | IN811020A | IN811020A | IN2AB4031 | IN03A3031 | IN2AC2013 | IN03B0032 |
| MATRIX | | SOIL | SOIL | | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | % | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | | |
| ANTIMONY | F | 0.31 B | 16 | 95 | 97 | 0.88 U | 102 | 0.88 U |
| % SOLIDS | | 95.4 | | | | | | |

| AREA | METHOD | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CRDL STAND | CRDL STAND | CFA | CFA | CFA | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TRUE | FINAL | DRAINFIELD | DRAINFIELD | DRAINFIELD | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN2B20013 | IN2B20013 | IN301012C | IN301045C | IN301078C | IN2AC4013 | IN03B4032 |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | 1 | 1 | 1 | | |
| ANTIMONY | F | 60 | 62 | 0.38 B | 0.4 B | 0.27 B | 102 | 0.88 U |
| % SOLIDS | | | | 98.1 | 98.2 | 93.1 | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | PREP | PREP | CONTINUING |
| TYPE OF LOCATION | | FOUND A | BLANK 3 | TRUE | FINAL | BLANK | BLANK 2 | CAL FOUND |
| SAMPLE NUMBER | | IN2AD2005 | IN03C0005 | IN2B30005 | IN2B30005 | IN03A0031 | IN03B0032 | IN2AD4005 |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ANTIMONY | F | 99 | 0.88 U | 60 | 57 | 0.18 U | 0.18 U | 94 |
| % SOLIDS | | | | | | | | |

TABLE D.2.64 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN803053A DRAFT DO NOT CITE

| | METHOD | |
|---|---|---|
| AREA | | QA |
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK |
| SAMPLE NUMBER | | IN03C7005 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ANTIMONY | F | 0.9 B |
| % SOLIDS | | |

TABLE D.2.65 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN804010B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0032 | IN2AA1033 | IN2AA2033 | IN03A0032 | IN03B0033 | IN03A1032 | IN2AA3033 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 10 | 0.01 B | 0.01 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TAN/WRRTF BURN PITS | DUPLICATE | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | IN2AA4033 | IN0710032 | IN0710032 | IN819051A | IN819051A | IN819051A | IN819051A |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | % |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | |
| UNITS | | | | | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 9.7 | 19 | 20 | 0.03 B | 0.02 B | 0.24 | 105 |
| % SOLIDS | | | | | 95 | | | |

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF BURN PITS | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | IN819062A | IN03A2032 | IN2AA5033 | IN819073A | IN819084A | IN804010B | IN804021B |
| SAMPLE NUMBER | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | 7 | | | 7 | 7 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 B | 0.02 U | 9.3 | 0.02 B | 0.02 B | 0.04 B | 0.02 B |
| % SOLIDS | | 94.9 | | | 94.7 | 94.4 | 91.7 | 93.4 |

TABLE D.2.65 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN804010B DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN804032B | IN804043B | IN03A3032 | IN2AB4032 | IN804054B | IN804065B | IN808014A |
| MATRIX | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | | | 5 | 5 | 5 |
| MERCURY | CV | 0.03 B | 0.03 B | 0.02 U | 9.8 | 0.04 B | 0.03 B | 0.04 B |
| % SOLIDS | | 93.2 | 89.9 | | | 89 | 84.4 | 85.2 |

| AREA | METHOD | | | | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | OMRE | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | CAL BLANK |
| SAMPLE NUMBER | | IN808025A | IN808036A | IN808047A | IN03B4033 | IN2AB5032 | IN808058A | IN03B5033 |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | 5 | |
| MERCURY | CV | 0.06 | 0.03 B | 0.02 B | 0.02 U | 10 | 0.02 B | 0.02 U |
| % SOLIDS | | 87.2 | 89.2 | 89.7 | | | 92.8 | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND |
| SAMPLE NUMBER | | IN2AC4014 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| MERCURY | CV | 10 |
| % SOLIDS | | |

TABLE D.2.66 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0033 | IN2AA1034 | IN2AA2034 | IN03A0033 | IN03B0034 | IN03A1033 | IN2AA3034 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 10 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | IN2AA4034 | IN0710033 | IN0710033 | IN807046B | IN807080B | IN806012B | IN806023B |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 10 | 19 | 19 | 0.04 | 0.05 | 0.06 | 0.05 |
| % SOLIDS | | | | | 84.8 | 94.6 | 96.1 | 95.1 |

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | OMRE LEACH POND | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | IN03A2033 | IN2AA5034 | IN806034B | IN806034B | IN806034B | IN806034B | IN806034B |
| SAMPLE NUMBER | | WATER | WATER | SOIL | SOIL | | SOIL | |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | % | MG/KG | % |
| UNITS | | | | 5 | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 0.08 | 0.08 | 0 | 0.34 | 113 |
| % SOLIDS | | | | 92.3 | 92.3 | | | |

TABLE D.2.66 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012B

DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN806056B | IN806067B | IN806078B | IN03A3033 | IN2AB4033 | IN806090B | IN806103B |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | 5 | 5 |
| MERCURY | CV | 0.06 | 0.05 | 0.05 B | 0.01 U | 10 | 0.05 | 0.05 B |
| % SOLIDS | | 93.9 | 88.2 | 86.9 | | | 85.2 | 86.5 |

| AREA | METHOD | | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | LEACH POND | CAL BLANK | CAL FOUND | |
| SAMPLE NUMBER | | IN806114B | IN806136B | IN806147B | IN806158B | IN03B4034 | IN2AB5033 | |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | | | |
| MERCURY | CV | 0.05 | 0.04 B | 0.04 B | 0.05 B | 0.01 U | 10 | |
| % SOLIDS | | 85.4 | 84 | 86.3 | 85.6 | | | |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1831 | INICS1849 | INICV1917 | INICV1957 | INICV1993 | INLCS2152 | INLRA2210 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 476000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2314 | INRAN2336 | INICV1881 | INICV1939 | INICV1975 | INICB1737 | INLRA2192 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 102000 | 1110 | | 50 U | |
| ANTIMONY | P | 11000 | | | 953 | | 30 U | 130 |
| ARSENIC | P | 20000 | | | 1030 | | 60 U | 529 |
| BARIUM | P | 5000 | | | 975 | | 2 U | |
| BERYLLIUM | P | 1500 | | | 256 | | 0.3 U | 9.7 |
| CADMIUM | P | 4000 | | | 244 | | 2 U | 11 |
| CALCIUM | P | 20000 | 650000 | | 26200 | 5150 | 100 U | |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2314 | INRAN2336 | INICV1881 | INICV1939 | INICV1975 | INICB1737 | INLRA2192 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 250 | | 5 U | 21 |
| COBALT | P | 10000 | | | 242 | | 3 U | 102 |
| COPPER | P | 10000 | | | 265 | | 10 U | 55 |
| IRON | P | 12000 | 600000 | 107000 | 964 | | 10 U | |
| LEAD | P | 20000 | | | 2390 | | 50 U | 530 |
| MAGNESIUM | P | 11000 | 450000 | 50200 | | 4910 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50000 | 247 | | 2 U | 32 |
| NICKEL | P | 15000 | | | 234 | | 5 U | 79 |
| SELENIUM | P | 20000 | | | 1000 | | 60 U | 485 |
| SILVER | P | 10000 | | | 250 | | 5 U | 21 |
| SODIUM | P | 15000 | 600000 | 102000 | | 4790 B | 200 U | |
| VANADIUM | P | 10000 | | | 257 | | 4 U | 101 |
| ZINC | P | 6000 | | | 1470 | | 8 U | 42 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | TANK | TANK |
| SAMPLE NUMBER | | INICS1795 | INICS1813 | INPB02270 | INPB02271 | INLCS2115 | IN823126B | IN823137B |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| ALUMINUM | P | 529000 | 530000 | 50 U | 50 U | 458 | 10300 | 14700 |
| ANTIMONY | P | 30 U | | 30 U | 30 U | 234 | 4 UN | 4.4 UN |
| ARSENIC | P | 105 B | | 60 U | 60 U | 1030 | 20 B | 19 B |
| BARIUM | P | 13 B | 456 | 8.8 B | 2 U | 7.1 | 126 | 180 |
| BERYLLIUM | P | 6.7 | 458 | 0.3 U | 0.3 U | 19 | 1.8 E | 1.9 E |
| CADMIUM | P | 3.5 B | 850 | 2 U | 2 U | 40 | 0.99 | 1 |
| CALCIUM | P | 507000 | 510000 | 100 U | 100 U | 178000 | 170000 | 104000 |
| CHROMIUM | P | 20 | 452 | 5 U | 5 U | 90 | 22 E | 28 E |
| COBALT | P | 8.5 B | 423 | 3 U | 3 U | 130 | 5.7 B | 7.7 |
| COPPER | P | 1 U | 489 | 10 U | 10 U | 5780 | 18 | 23 |
| IRON | P | 229000 | 229000 | 25 B | 12 | 23200 | 14800 | 19600 |
| LEAD | P | 50 U | 4410 | 50 U | 50 U | 203 | 11 B | 18 B |
| MAGNESIUM | P | 532000 | 533000 | 10 U | 10 U | 104000 | 11300 | 12700 |
| MANGANESE | P | 2 U | 441 | 2 U | 2 U | 193 | 452 E | 543 E |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C

| AREA | METHOD | QA | QA | QA | QA | QA | PM-2A TANK | PM-2A TANK |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TANK | TANK |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | IN823126B | IN823137B |
| SAMPLE NUMBER | | INICS1795 | INICS1813 | INPB02270 | INPB02271 | INLCS2115 | SOIL | SOIL |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | MG/KG | MG/KG |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | % | % |
| ENV PROBLEM NO | | | | | | | | |
| NICKEL | P | 6.6 B | 802 | 5 U | 5 U | 54 | 23 | 30 |
| SELENIUM | P | 91 B | | 60 U | 60 U | 52 | 8 U | 8.8 U |
| SILVER | P | 6.6 B | 943 | 5 U | 5 U | 24 | 0.97 B | 1.6 |
| SODIUM | P | 1840 B | | 200 U | 200 U | 731 | 824 | 619 B |
| VANADIUM | P | 4 U | 440 | 4 U | 4 U | 62 | 30 E | 41 E |
| ZINC | P | 8 U | 908 | 9.3 B | 8.7 B | 184 | 73 | 94 |
| % SOLIDS | | | | | | | 96.9 | 92.6 |

| AREA | METHOD | QA | QA | QA | QA | PM-2A TANK | PM-2A TANK | PM-2A TANK |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TANK | TANK | TANK |
| TYPE OF LOCATION | | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | IN823159B | IN823171B | IN823182B |
| SAMPLE NUMBER | | INCCV1227 | INCCV1308 | INCCV1379 | INCCB1097 | SOIL | SOIL | SOIL |
| MATRIX | | WATER | WATER | WATER | WATER | MG/KG | MG/KG | MG/KG |
| UNITS | | UG/L | UG/L | UG/L | UG/L | % | % | % |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 105000 | 1120 | | 50 U | 18200 | 16400 | 15600 |
| ANTIMONY | P | | 991 | | 30 U | 4.3 UN | 6.4 BN | 6 BN |
| ARSENIC | P | | 1050 | | 60 U | 14 B | 18 B | 14 B |
| BARIUM | P | | 1000 | | 2 U | 237 | 201 | 192 |
| BERYLLIUM | P | | 263 | | 0.3 U | 2 E | 2 E | 2 E |
| CADMIUM | P | | 251 | | 2 U | 1.2 | 1.2 | 1 |
| CALCIUM | P | | 27500 | 5160 | 100 U | 77000 | 110000 | 94500 |
| CHROMIUM | P | | 256 | | 5 U | 34 E | 31 E | 34 E |
| COBALT | P | | 246 | | 3 U | 9.5 | 8.4 | 8 B |
| COPPER | P | | 270 | | 10 U | 28 | 26 | 25 |
| IRON | P | 110000 | 997 | | 10 U | 24200 | 21700 | 20300 |
| LEAD | P | | 2440 | | 50 U | 19 B | 18 B | 18 B |
| MAGNESIUM | P | 51000 | | 4930 B | 10 U | 13300 | 12400 | 13800 |
| MANGANESE | P | 51100 | 254 | | 2 U | 637 E | 597 E | 579 E |
| NICKEL | P | | 245 | | 5 U | 35 | 32 | 39 |
| SELENIUM | P | | 1000 | | 60 U | 8.6 U | 9 U | 11 B |
| SILVER | P | | 252 | | 5 U | 1.6 | 1.6 | 1.3 B |
| SODIUM | P | 103000 | | 4760 B | 200 U | 554 B | 619 B | 545 B |
| VANADIUM | P | | 261 | | 4 U | 53 E | 49 E | 47 E |
| ZINC | P | | 1500 | | 8 U | 107 | 98 | 115 |
| % SOLIDS | | | | | | 94.8 | 94.1 | 86.6 |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | SERIAL DILUTION | SD % DIFFERENCE | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | TANK | | | | | | |
| SAMPLE NUMBER | | IN823206B | IN823206B | IN823206B | IN823206B | IN823206B | IN823206B | IN823206B |
| MATRIX | | SOIL | SOIL | | SOIL | | SOIL | |
| UNITS | | MG/KG | MG/KG | % | MG/KG | % | MG/KG | % |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| ALUMINUM | P | 14600 | 15100 | 3.4 | 14500 | 0.69 | 14800 | |
| ANTIMONY | P | 4.3 UN | 113 | | 4.2 U | | 26 | 37 |
| ARSENIC | P | 17 B | 43 U | | 16 B | | 85 | 97 |
| BARIUM | P | 195 | 206 | 5.6 | 193 | 1 | 458 | 94 |
| BERYLLIUM | P | 1.8 E | 3.4 | 83 | 1.7 | 0.1 | 8.5 | 96 |
| CADMIUM | P | 1.3 | 1.4 U | | 1.2 | 0.1 | 7.3 | 86 |
| CALCIUM | P | 83600 | 87800 | 5 | 78600 | 6.2 | 72300 | |
| CHROMIUM | P | 29 E | 36 | 24 | 29 | 0 | 55 | 93 |
| COBALT | P | 8.1 | 9 | | 8.2 | 0.1 | 70 | 88 |
| COPPER | P | 24 | 28 | | 24 | 0 | 57 | 94 |
| IRON | P | 20800 | 22200 | 6.7 | 20800 | 0 | 22200 | |
| LEAD | P | 15 B | 36 U | | 16 B | | 84 | 99 |
| MAGNESIUM | P | 11800 | 12900 | 9.3 | 12000 | 1.7 | 12100 | |
| MANGANESE | P | 548 E | 385 | 30 | 550 | 0.36 | 643 | |
| NICKEL | P | 29 | 12 | | 29 | 0 | 95 | 94 |
| SELENIUM | P | 8.6 U | 46 B | | 8.4 B | | 74 | 106 |
| SILVER | P | 1.9 | 4.9 | | 1.8 | 0.1 | 8.9 | 100 |
| SODIUM | P | 532 B | 417 B | | 525 B | | 452 B | |
| VANADIUM | P | 45 E | 56 | 24 | 44 | 2.2 | 110 | 93 |
| ZINC | P | 86 | 93 | 8.1 | 86 | 1.2 | 154 | 97 |
| % SOLIDS | | 96.5 | 96.5 | | 96.5 | | 96.5 | |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN807013C | IN807046C | IN807057C | INCCV1228 | INCCV1309 | INCCV1380 | INCCB1098 |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | | |
| ALUMINUM | P | 5600 | 25100 | 7780 | 102000 | 1120 | | 50 U |
| ANTIMONY | P | 4.6 BN | 4.4 UN | 4.2 UN | | 987 | | 30 U |
| ARSENIC | P | 8.4 U | 8.7 U | 8.5 U | | 1040 | | 60 U |
| BARIUM | P | 108 | 184 | 119 | | 990 | | 2 U |
| BERYLLIUM | P | 0.92 E | 1.7 E | 1.2 E | | 261 | | 0.3 U |
| CADMIUM | P | 0.42 B | 0.34 B | 0.44 B | | 247 | | 2 U |
| CALCIUM | P | 11000 | 5470 | 25600 | | 27200 | 5080 | 100 U |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C

DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL BLANK |
| TYPE OF LOCATION | | IN807013C | IN807046C | IN807057C | INCCV1228 | INCCV1309 | INCCV1380 | INCCB1098 |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | WATER | WATER | WATER | WATER |
| MATRIX | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 5 | 5 | 5 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 20 E | 34 E | 21 E | | 253 | | 5 U |
| COBALT | P | 4.6 B | 9.4 | 4.8 B | | 244 | | 3 U |
| COPPER | P | 14 | 26 | 15 | | 267 | | 10 U |
| IRON | P | 11300 | 25800 | 14400 | 107000 | 979 | | 10 U |
| LEAD | P | 8.7 B | 15 B | 8.8 B | | 2390 | | 50 U |
| MAGNESIUM | P | 3950 | 7860 | 5070 | 49600 | | 4850 B | 10 U |
| MANGANESE | P | 155 E | 543 E | 186 E | 50700 | 251 | | 2 U |
| NICKEL | P | 20 | 29 | 19 | | 242 | | 5 U |
| SELENIUM | P | 8.4 U | 8.7 U | 8.5 U | | 1030 | | 60 U |
| SILVER | P | 0.7 U | 0.73 U | 0.71 U | | 249 | | 5 U |
| SODIUM | P | 270 B | 587 B | 282 B | 101000 | | 4640 B | 216 B |
| VANADIUM | P | 24 E | 44 E | 33 E | | 257 | | 4 U |
| ZINC | P | 42 | 81 | 54 | | 1480 | | 8 U |
| % SOLIDS | | 96.6 | 84 | 96.3 | | | | |

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | IN807080C | IN806103C | IN806114C | IN806136C | IN806147C | IN806158C | IN806012C |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 6110 | 16300 | 15000 | 30400 | 19200 | 23400 | 12300 |
| ANTIMONY | P | 5 BN | 4.8 UN | 4.8 UN | 4.6 UN | 4.7 UN | 4.7 UN | 4.3 UN |
| ARSENIC | P | 9.1 U | 15 B | 15 B | 9.1 U | 10 B | 9.5 U | 13 B |
| BARIUM | P | 105 | 238 | 249 | 349 | 277 | 301 | 182 |
| BERYLLIUM | P | 1 E | 1.9 E | 1.8 E | 2.2 E | 1.8 E | 2 E | 1.6 E |
| CADMIUM | P | 0.41 B | 0.85 | 0.92 | 1 | 0.6 B | 0.77 B | 0.62 B |
| CALCIUM | P | 14000 | 76600 | 88200 | 17100 | 35900 | 24100 | 50600 |
| CHROMIUM | P | 22 E | 50 E | 44 E | 62 E | 66 E | 56 E | 27 E |
| COBALT | P | 4 B | 8.9 | 9 | 14 | 10 | 12 | 7.5 |
| COPPER | P | 16 | 24 | 22 | 34 | 25 | 30 | 20 |
| IRON | P | 11400 | 21300 | 19800 | 34700 | 24900 | 30300 | 18900 |
| LEAD | P | 10 B | 15 B | 15 B | 24 B | 18 B | 21 B | 15 B |
| MAGNESIUM | P | 3560 | 12400 | 13700 | 11600 | 9750 | 10400 | 10800 |
| MANGANESE | P | 140 E | 808 E | 953 E | 738 E | 716 E | 729 E | 518 E |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C

DRAFT DO NOT CITE

| AREA | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN807080C | IN806103C | IN806114C | IN806136C | IN806147C | IN806158C | IN806012C |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| NICKEL | P | 18 | 33 | 33 | 47 | 36 | 42 | 26 |
| SELENIUM | P | 9.1 U | 9.6 U | 9.5 U | 9.1 U | 9.4 U | 9.5 U | 8.7 U |
| SILVER | P | 0.76 U | 1.1 B | 1.4 B | 1.3 B | 0.87 B | 1 B | 0.72 U |
| SODIUM | P | 271 B | 559 B | 692 B | 499 B | 648 B | 438 B | 666 B |
| VANADIUM | P | 32 E | 50 E | 47 E | 61 E | 53 E | 52 E | 42 E |
| ZINC | P | 42 | 80 | 77 | 129 | 88 | 108 | 72 |
| % SOLIDS | | 94.4 | 88.4 | 87.3 | 84.9 | 87.6 | 86 | 96.8 |

| AREA | METHOD | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN806023C | IN806034C | IN806056C | INCCV1229 | INCCV1310 | INCCV1381 | INCCB1099 |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | | |
| ALUMINUM | P | 13800 | 18900 | 21300 | 104000 | 1130 | | 50 U |
| ANTIMONY | P | 4.3 UN | 4.4 UN | 4.3 UN | | 992 | | 30 U |
| ARSENIC | P | 13 B | 14 B | 15 B | | 1040 | | 60 U |
| BARIUM | P | 199 | 224 | 256 | | 1000 | | 2 U |
| BERYLLIUM | P | 1.7 E | 2 E | 2.1 E | | 264 | | 0.3 U |
| CADMIUM | P | 0.79 | 2.7 | 0.81 | | 250 | | 2 U |
| CALCIUM | P | 54900 | 73000 | 77200 | | 27400 | 5200 | 100 U |
| CHROMIUM | P | 29 E | 40 E | 48 E | | 255 | | 5 U |
| COBALT | P | 8.5 | 10 | 9.9 | | 245 | | 3 U |
| COPPER | P | 24 | 36 | 28 | | 272 | | 10 U |
| IRON | P | 20900 | 24500 | 25000 | 108000 | 987 | | 10 U |
| LEAD | P | 17 B | 34 | 21 B | | 2400 | | 50 U |
| MAGNESIUM | P | 11200 | 13400 | 14600 | 50700 | | 4900 B | 10 U |
| MANGANESE | P | 561 E | 676 E | 710 E | 53600 | 255 | | 2 U |
| NICKEL | P | 30 | 40 | 37 | | 249 | | 5 U |
| SELENIUM | P | 8.6 U | 12 B | 8.7 U | | 1030 | | 60 U |
| SILVER | P | 1 B | 1.3 B | 1.1 B | | 249 | | 5 U |
| SODIUM | P | 684 B | 610 B | 854 | 102000 | | 4830 B | 200 U |
| VANADIUM | P | 44 E | 52 E | 61 E | | 257 | | 4 U |
| ZINC | P | 88 | 157 | 112 | | 1480 | | 8 U |
| % SOLIDS | | 96.2 | 94.1 | 92.4 | | | | |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C

DRAFT DO NOT CITE

| AREA | METHOD | OMRE | OMRE | OMRE | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LEACH POND | LEACH POND | LEACH POND | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | IN806067C | IN806078C | IN806090C | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | INCCV1230 | INCCV1311 | INCCV1382 | INCCB1100 |
| MATRIX | | MG/KG | MG/KG | MG/KG | WATER | WATER | WATER | WATER |
| UNITS | | 5 | 5 | 5 | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 18900 | 18200 | 18500 | 100000 | 1110 | | 50 U |
| ANTIMONY | P | 4.7 UN | 4.6 UN | 4.8 UN | | 978 | | 30 U |
| ARSENIC | P | 17 B | 17 B | 13 B | | 1030 | | 60 U |
| BARIUM | P | 243 | 237 | 253 | | 987 | | 2 U |
| BERYLLIUM | P | 2 E | 2 E | 2 E | | 260 | | 0.3 U |
| CADMIUM | P | 0.88 | 0.85 | 0.74 B | | 248 | | 2 U |
| CALCIUM | P | 75300 | 76700 | 76000 | | 27100 | 5140 | 100 U |
| CHROMIUM | P | 83 E | 55 E | 66 E | | 251 | | 5 U |
| COBALT | P | 9 | 9.4 | 9.6 | | 243 | | 3 U |
| COPPER | P | 26 | 25 | 26 | | 269 | | 10 U |
| IRON | P | 23500 | 22900 | 23800 | 105000 | 973 | | 10 U |
| LEAD | P | 20 B | 18 B | 19 B | | 2380 | | 50 U |
| MAGNESIUM | P | 14200 | 14100 | 12500 | 49100 | | 4850 B | 10 U |
| MANGANESE | P | 663 E | 669 E | 780 E | 52100 | 253 | | 2 U |
| NICKEL | P | 36 | 34 | 37 | | 243 | | 5 U |
| SELENIUM | P | 9.4 U | 11 B | 9.6 U | | 1020 | | 60 U |
| SILVER | P | 1.2 B | 1.3 B | 1.1 B | | 247 | | 5 U |
| SODIUM | P | 685 B | 751 B | 559 B | 99200 | | 4720 B | 200 U |
| VANADIUM | P | 58 E | 55 E | 50 E | | 255 | | 4 U |
| ZINC | P | 101 | 100 | 93 | | 1470 | | 8 U |
| % SOLIDS | | 89.3 | 87.3 | 86.7 | | | | |

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INLRA2174 | INICS1759 | INICS1777 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | |
| ALUMINUM | P | | 517000 | 517000 |
| ANTIMONY | P | 103 | 30 U | |
| ARSENIC | P | 514 | 60 U | |
| BARIUM | P | | 15 B | 464 |
| BERYLLIUM | P | 9.7 | 6.6 | 454 |
| CADMIUM | P | 9.8 | 3.9 B | 863 |
| CALCIUM | P | | 508000 | 508000 |

TABLE D.2.67 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012C DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INLRA2174 | INICS1759 | INICS1777 |
| MATRIX | | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | |
| CHROMIUM | P | 20 | 19 | 445 |
| COBALT | P | 99 | 8.1 B | 415 |
| COPPER | P | 56 | 10 U | 482 |
| IRON | P | | 224000 | 225000 |
| LEAD | P | 499 | 50 U | 4280 |
| MAGNESIUM | P | | 518000 | 526000 |
| MANGANESE | P | 32 | 2 U | 440 |
| NICKEL | P | 82 | 14 B | 832 |
| SELENIUM | P | 505 | 60 U | |
| SILVER | P | 18 | 6.8 B | 909 |
| SODIUM | P | | 1690 B | |
| VANADIUM | P | 98 | 4 U | 427 |
| ZINC | P | 41 | 8 U | 891 |
| % SOLIDS | | | | |

TABLE D.2.68 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL TRUE A | LAB CONTROL SAMPLE TRUE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL BLANK | PREP BLANK | PREP BLANK |
| TYPE OF LOCATION | | INICV1918 | INLCS2153 | INRAN2315 | INICV1882 | INICB1738 | INPB02272 | INPB02273 |
| SAMPLE NUMBER | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 1000 B | 100 U | 0.25 | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL SAMPLE | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CONTINUING CAL FOUND | CONTINUING CAL BLANK | PM-2A TANK TANK | PM-2A TANK TANK |
| TYPE OF LOCATION | | INLCS2116 | INCCV1231 | INCCB1101 | INCCV1232 | INCCB1102 | IN823126B | IN823137B |
| SAMPLE NUMBER | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| MATRIX | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| UNITS | | | | | | | 9 | 9 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 340 | 1000 B | 100 U | 1000 B | 100 U | 2200 | 3000 |
| % SOLIDS | | | | | | | 96.9 | 92.6 |

| AREA | METHOD | | | QA | QA | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK TANK | PM-2A TANK TANK | CONTINUING CAL FOUND | CONTINUING CAL BLANK | PM-2A TANK TANK | PM-2A TANK TANK | DUPLICATE |
| TYPE OF LOCATION | | IN823159B | IN823171B | INCCV1233 | INCCB1103 | IN823182B | IN823206B | IN823206B |
| SAMPLE NUMBER | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| MATRIX | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| UNITS | | 9 | 9 | | | 9 | 9 | 9 |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 3600 | 3600 | 1000 B | 100 U | 3300 | 3400 | 3100 |
| % SOLIDS | | 94.8 | 94.1 | | | 86.6 | 96.5 | 96.5 |

TABLE D.2.68 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN806012K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | DUPLICATE | OMRE | OMRE | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | RPD | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN807013C | IN823206B | IN807046C | IN807057C | IN807080C | IN806103C | IN806114C |
| MATRIX | | SOIL | | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 9 | 5 | 5 | 5 | 5 | 5 |
| POTASSIUM | FE | 990 | 300 | 4200 | 1700 | 1200 | 3200 | 2800 |
| % SOLIDS | | 96.6 | | 84 | 96.3 | 94.4 | 88.4 | 87.3 |

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | CONTINUING | CONTINUING | OMRE | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | | LEACH POND | CAL FOUND | CAL BLANK | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN806136C | INCCV1234 | INCCB1104 | IN806147C | IN806158C | IN806012C | IN806023C |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | | | 5 | 5 | 5 | 5 |
| POTASSIUM | FE | 5000 | 1000 B | 100 U | 3500 | 3700 | 2400 | 2800 |
| % SOLIDS | | 84.9 | | | 87.6 | 86 | 96.8 | 96.2 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | OMRE | OMRE | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN806034C | IN806056C | IN806067C | IN806078C | IN806090C | INCCV1235 | INCCB1105 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | | |
| POTASSIUM | FE | 4100 | 4300 | 3900 | 3800 | 3100 | 1100 B | 100 U |
| % SOLIDS | | 94.1 | 92.4 | 89.3 | 87.3 | 86.7 | | |

TABLE D.2.69 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN811020A

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CRDL STAND | CRDL STAND |
| TYPE OF LOCATION | | TRUE A | FOUND A | BLANK 1 | BLANK | BLANK 2 | TRUE | FINAL |
| SAMPLE NUMBER | | IN2AA1036 | IN2AA2036 | IN03A0035 | IN03A0035 | IN03B0036 | IN2B10015 | IN2B10015 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 20 | 21 | 0.56 U | 0.11 U | 0.11 U | 10 | 11 |
| CADMIUM | F | 4.8 | 4.6 | 0.08 U | 0.02 U | 0.02 U | 5 | 5.1 |
| LEAD | F | 39 | 40 | 0.4 U | 0.08 U | 0.16 B | 5 | 4.9 |
| SELENIUM | F | 20 | 19 | 0.76 U | 0.15 U | 0.15 U | 5 | 5.3 |
| SILVER | F | 9.7 | 10 | 0.31 U | 0.06 U | 0.06 U | 10 | 9.4 |
| THALLIUM | F | 39 | 41 | 1.2 U | 0.24 U | 0.24 U | 10 | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CFA | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DRAINFIELD | CAL BLANK | CAL TRUE | CAL FOUND | CAL BLANK | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN301012C | IN03A1035 | IN2AA3036 | IN2AA4036 | IN03A2035 | IN03A3035 | IN2AA5036 |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 1 | | | | | | |
| ARSENIC | F | 4.6 | 0.56 U | 20 | 19 | 0.56 U | 0.56 U | 19 |
| CADMIUM | F | 0.28 B | 0.08 U | 4.8 | 5.1 | 0.08 U | 0.08 U | 4.7 |
| LEAD | F | 6.7 | 0.4 U | 39 | 39 | 0.4 U | | 39 |
| SELENIUM | F | 0.43 B | 0.76 U | 20 | 18 | | | |
| SILVER | F | 0.07 B | 0.31 U | 9.7 | 10 | 0.31 U | 0.31 U | 9.7 |
| THALLIUM | F | 0.21 U | 1.2 U | 39 | 39 | 1.2 U | 1.2 U | 41 |
| % SOLIDS | | 98.1 | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | LAB CONTROL | LAB CONTROL | CFA |
| TYPE OF LOCATION | | FOUND A | BLANK 2 | TRUE | FINAL | SAMPLE TRUE | SAMPLE | DRAINFIELD |
| SAMPLE NUMBER | | IN2AB2035 | IN03B0036 | IN2B20014 | IN2B20014 | IN0710035 | IN0710035 | IN301078C |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | 1 |
| ARSENIC | F | | 0.56 U | 10 | 10 | 680 | 612 | 4.7 |
| CADMIUM | F | | 0.08 U | 5 | 4.8 | 1 U | 0.37 B | 1.1 |

TABLE D.2.69 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN811020A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | CRDL STAND | CRDL STAND | LAB CONTROL | LAB CONTROL | CFA |
| TYPE OF LOCATION | | FOUND A | BLANK 2 | TRUE | FINAL | SAMPLE TRUE | SAMPLE | DRAINFIELD |
| SAMPLE NUMBER | | IN2AB2035 | IN03B0036 | IN2B20014 | IN2B20014 | IN0710035 | IN0710035 | IN301078C |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | 1 |
| LEAD | F | 41 | 0.4 U | 5 | 5.1 | 5830 | 5190 | 12 |
| SELENIUM | F | 19 | 0.76 U | 5 | 5.4 | 1 U | 0.15 U | 0.37 B |
| SILVER | F | | 0.31 U | 10 | 10 | 2 U | 0.16 B | 0.14 B |
| THALLIUM | F | | 1.2 U | 10 | 8.2 | 3.8 | 3.7 | 0.27 B |
| % SOLIDS | | | | | | | | 93.1 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE | OMRE | OMRE | CONTINUING | CONTINUING | CFA | OMRE |
| TYPE OF LOCATION | | LEACH POND | LEACH POND | LEACH POND | CAL FOUND | CAL BLANK | DRAINFIELD | LEACH POND |
| SAMPLE NUMBER | | IN803020A | IN810018A | IN810029A | IN2AB4035 | IN03B4036 | IN301045C | IN803019A |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | 1 | 5 |
| ARSENIC | F | 2.2 | 6.2 | 5.2 | 20 | 0.6 B | 0.1 U | 3.6 |
| CADMIUM | F | 0.51 B | 0.58 B | 1.3 | 5 | 0.08 U | 1.2 | 0.41 B |
| LEAD | F | 13 | 12 | 9.8 | 43 | 0.4 U | 3.4 | 14 |
| SELENIUM | F | 0.2 B | 0.34 B | 0.42 B | 18 | 0.76 U | 0.13 U | 0.3 B |
| SILVER | F | 0.16 B | 0.24 B | 1.5 B | 9.3 | 0.31 U | 0.06 U | 0.34 B |
| THALLIUM | F | 0.25 B | 0.27 B | 0.21 U | 42 | 1.2 U | 0.21 U | 0.22 B |
| % SOLIDS | | 92 | 94.6 | 94.6 | | | 98.2 | 91.5 |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | INITIAL CAL | INITIAL CAL | OMRE | OMRE |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | CAL BLANK | FOUND A | BLANK 3 | LEACH POND | LEACH POND |
| SAMPLE NUMBER | | IN2AB5035 | IN03B5036 | IN03B6036 | IN2AC2015 | IN03C0006 | IN803042A | IN803053A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 5 | 5 |
| ARSENIC | F | | 0.56 U | | 20 | 0.56 U | 4.5 | 4.7 |
| CADMIUM | F | | 0.08 U | | 4.9 | | 0.6 B | 0.67 B |
| LEAD | F | 43 | 0.4 U | 0.4 U | | 0.4 U | 16 | 18 |
| SELENIUM | F | 20 | 1 B | 0.8 B | | 0.76 U | 0.4 B | 0.43 B |

TABLE D.2.69 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN811020A

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CONTINUING CAL BLANK | INITIAL CAL FOUND A | INITIAL CAL BLANK 3 | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | IN2AB5035 | IN03B5036 | IN03B6036 | IN2AC2015 | IN03C0006 | IN803042A | IN803053A |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER | WATER | SOIL | SOIL |
| MATRIX | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| UNITS | | | | | | | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| SILVER | F | | 0.31 U | 0.31 U | 8.9 | 0.31 U | 0.1 B | 0.08 B |
| THALLIUM | F | | | | 42 | 1.2 U | 0.32 B | 0.28 B |
| % SOLIDS | | | | | | | 94.3 | 93.8 |

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | OMRE LEACH POND | CONTINUING CAL FOUND | CONTINUING CAL BLANK | CONTINUING CAL FOUND | CONTINUING CAL BLANK | INITIAL CAL FOUND A | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | IN811019A | IN2AC4015 | IN03C7006 | IN2AC5015 | IN03C8006 | IN2AD2006 | IN2AD4006 |
| SAMPLE NUMBER | | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | 5 | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | 3.8 | 19 | 0.56 U | 19 | | 20 | 20 |
| CADMIUM | F | 0.61 B | 5 | | 4.9 | | | |
| LEAD | F | 14 | 42 | 0.4 U | | 0.4 U | 42 | 41 |
| SELENIUM | F | 0.29 B | 20 | 0.76 U | | | 19 | 20 |
| SILVER | F | 0.22 B | 9.1 | 0.31 U | 9.5 | | | 8.7 |
| THALLIUM | F | 0.24 U | 41 | 1.2 U | | 1.2 U | 42 | 39 |
| % SOLIDS | | 96.3 | | | | | | |

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | INITIAL CAL FOUND A | INITIAL CAL BLANK 4 | OMRE LEACH POND | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE |
| TYPE OF LOCATION | | IN2AD5006 | IN2AE2002 | IN03D0002 | IN811020A | IN811020A | IN811020A | IN811020A |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | | SOIL |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | % | MG/KG |
| UNITS | | | | | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | | |
| ARSENIC | F | | | | 3.8 | 3.5 | 8.2 | 7.3 |
| CADMIUM | F | | | | 0.71 B | 0.87 B | 20 | 1.6 |
| LEAD | F | 40 | 39 | 0.4 U | 14 | 15 | 2.1 | 19 |
| SELENIUM | F | | | | 0.37 B | 0.4 B | | 2.5 |
| SILVER | F | | 9.7 | | 0.21 B | 0.18 B | | 2 |
| THALLIUM | F | 39 | | | 0.25 U | 0.22 U | | 9.8 |

TABLE D.2.69 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN811020A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | INITIAL CAL | INITIAL CAL | OMRE | DUPLICATE | DUPLICATE | MATRIX |
| TYPE OF LOCATION | | CAL FOUND | FOUND A | BLANK 4 | LEACH POND | | RPD | SPIKE |
| SAMPLE NUMBER | | IN2AD5006 | IN2AE2002 | IN03D0002 | IN811020A | IN811020A | IN811020A | IN811020A |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | | SOIL |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | | | | 5 | 5 | 5 | 5 |
| % SOLIDS | | | | | 95.4 | | | |

| AREA | METHOD | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MS % | OMRE | CRDL STAND | CRDL STAND | CRDL STAND | CRDL STAND | CONTINUING |
| TYPE OF LOCATION | | RECOVERY | LEACH POND | TRUE | FINAL | TRUE | FINAL | CAL FOUND |
| SAMPLE NUMBER | | IN811020A | IN803031A | IN2B30006 | IN2B30006 | IN2B40002 | IN2B40002 | IN2AE4002 |
| MATRIX | | | SOIL | WATER | WATER | WATER | WATER | WATER |
| UNITS | | % | MG/KG | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 5 | 5 | | | | | |
| ARSENIC | F | 92 | 0.83 B | 10 | 10 | | | |
| CADMIUM | F | 94 | 0.59 B | | | | | |
| LEAD | F | 124 | 12 | 5 | 5 | 5 | 5 | 40 |
| SELENIUM | F | 112 | 0.25 B | 5 | 6.1 | | | |
| SILVER | F | 94 | 0.06 U | 10 | 9.7 | | | 9.4 |
| THALLIUM | F | 103 | 0.21 U | 10 | 11 | | | |
| % SOLIDS | | | 94.9 | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK |
| SAMPLE NUMBER | | IN03D1002 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ARSENIC | F | |
| CADMIUM | F | |
| LEAD | F | 0.4 U |
| SELENIUM | F | |
| SILVER | F | |
| THALLIUM | F | |
| % SOLIDS | | |

TABLE D.2.70 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN814012D

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0036 | IN2AA1037 | IN2AA2037 | IN03A0036 | IN03B0037 | IN03A1036 | IN2AA3037 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 9.5 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | BURN PITS | BURN PITS | BURN PITS | CAL BLANK |
| SAMPLE NUMBER | | IN2AA4037 | IN0710036 | IN0710036 | IN814012D | IN814023D | IN814034D | IN03A2036 |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | 7 | 7 | 7 | |
| MERCURY | CV | 9.9 | 19 | 19 | 0.07 | 0.07 | 0.09 | 0.01 U |
| % SOLIDS | | | | | 94.9 | 89.4 | 90.5 | |

| AREA | METHOD | QA | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | DUPLICATE | DUPLICATE | MATRIX | MS % | TAN/WRRTF |
| TYPE OF LOCATION | | CAL FOUND | BURN PITS | | RPD | SPIKE | RECOVERY | BURN PITS |
| SAMPLE NUMBER | | IN2AA5037 | IN814045D | IN814045D | IN814045D | IN814045D | IN814045D | IN814056D |
| MATRIX | | WATER | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | % | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | 7 | 7 |
| MERCURY | CV | 9.9 | 0.08 | 0.08 | 0 | 0.32 | 96 | 0.07 |
| % SOLIDS | | | 89.7 | | | | | 92.2 |

TABLE D.2.70 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN814012D DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | CAL BLANK | CAL FOUND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN814067D | IN814078D | IN03A3036 | IN2AB4036 | IN814089D | IN814103D | IN814114D |
| MATRIX | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | | | 7 | 7 | 7 |
| MERCURY | CV | 0.08 | 0.09 | 0.01 U | 9.8 | 0.06 | 0.06 | 0.08 |
| % SOLIDS | | 88.4 | 89.8 | | | 89.6 | 90 | 87.3 |

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN814125D | IN03B4037 | IN2AB5036 |
| MATRIX | | SOIL | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | | |
| MERCURY | CV | 0.05 | 0.01 U | 9.9 |
| % SOLIDS | | 91.5 | | |

TABLE D.2.71 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013G

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | IN03A0037 | IN2AA1038 | IN2AA2038 | IN03A0037 | IN03B0038 | IN03A1037 | IN2AA3038 |
| SAMPLE NUMBER | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 9.6 | 0.01 B | 0.01 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | IN2AA4038 | IN0710037 | IN0710037 | IN815013G | IN815024G | IN815035G | IN815046G |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 10 | 19 | 20 | 0.04 B | 0.06 | 0.04 | 0.05 |
| % SOLIDS | | | | | 97.1 | 97.3 | 97.6 | 97.3 |

| AREA | METHOD | QA | QA | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | DUPLICATE | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | IN03A2037 | IN2AA5038 | IN815057G | IN815068G | IN815068G | IN815068G | IN815068G |
| SAMPLE NUMBER | | WATER | WATER | SOIL | SOIL | SOIL | SDIL | % |
| MATRIX | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | 7 |
| UNITS | | | | 7 | 7 | 7 | 7 | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 9.9 | 0.05 B | 0.04 | 0.04 B | 0.27 | 92 |
| % SOLIDS | | | | 97.7 | 97 | | | |

TABLE D.2.71 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013G

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | CAL BLANK | CAL FOUND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN815079G | IN815080G | IN03A3037 | IN2AB4037 | IN815091G | IN815104G | IN815115G |
| MATRIX | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | | | 7 | 7 | 7 |
| MERCURY | CV | 0.04 | 0.18 | 0.01 U | 10 | 0.04 | 0.04 | 0.03 B |
| % SOLIDS | | 96.8 | 97 | | | 97.5 | 97.1 | 93 |

| AREA | METHOD | | | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | CAL BLANK | CAL FOUND |
| SAMPLE NUMBER | | IN815126G | IN815171G | IN03B4038 | IN2AB5037 |
| MATRIX | | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | | |
| MERCURY | CV | 0.04 B | 0.04 B | 0.01 U | 10 |
| % SOLIDS | | 93.1 | 96.5 | | |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1832 | INICS1850 | INICV1919 | INICV1958 | INICV1994 | INLCS2154 | INLRA2211 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2316 | INRAN2337 | INICV1883 | INICV1940 | INICV1976 | INICB1739 | INLRA2193 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 94400 | 1120 | | 50 U | |
| ANTIMONY | P | 10000 | | | 998 | | 50 U | 128 |
| ARSENIC | P | 20000 | | | 1100 | | 60 U | 527 |
| BARIUM | P | 5000 | | | 990 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 256 | | 0.3 U | 9.5 |
| CADMIUM | P | 5000 | | | 249 | | 1 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 26300 | 5250 | 150 U | |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2316 | INRAN2337 | INICV1883 | INICV1940 | INICV1976 | INICB1739 | INLRA2193 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 257 | | 5 U | 19 |
| COBALT | P | 10000 | | | 247 | | 2 U | 98 |
| COPPER | P | 10000 | | | 261 | | 10 U | 52 |
| IRON | P | 12000 | 1000000 | 110000 | 967 | | 20 U | |
| LEAD | P | 20000 | | | 2370 | | 30 U | 492 |
| MAGNESIUM | P | 12000 | 500000 | 51200 | | 4910 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 51500 | 247 | | 5 U | 30 |
| NICKEL | P | 15000 | | | 238 | | 6 U | 79 |
| SELENIUM | P | 10000 | | | 1070 | | 50 U | 519 |
| SILVER | P | 10000 | | | 253 | | 6 U | 41 |
| SODIUM | P | 25000 | 900000 | 104000 | | 4800 B | 170 U | |
| VANADIUM | P | 10000 | | | 259 | | 4 U | 97 |
| ZINC | P | 6000 | | | 1480 | | 8 U | 41 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INICS1796 | INICS1814 | INPB02274 | INPB02275 | INLCS2117 | IN815013H | IN815024H |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| ALUMINUM | P | 523000 | 520000 | 50 U | 50 U | 481 | 8720 | 5060 |
| ANTIMONY | P | 775 | | 50 U | 50 U | 255 | 6.9 UN | 6.5 UN |
| ARSENIC | P | 60 U | | 60 U | 60 U | 1110 | 8.3 U | 7.8 U |
| BARIUM | P | 12 B | 443 | 1 U | 1.2 B | 6.8 | 155 | 93 |
| BERYLLIUM | P | 1.7 B | 440 | 0.3 U | 0.3 U | 19 | 1.1 | 0.89 |
| CADMIUM | P | 13 | 811 | 1 U | 1 U | 40 | 0.74 | 0.54 B |
| CALCIUM | P | 497000 | 498000 | 150 U | 150 U | 222000 | 40500 | 36100 |
| CHROMIUM | P | 27 | 442 | 5 U | 5 U | 89 | 23 | 18 |
| COBALT | P | 2 U | 396 | 2 U | 2.3 B | 130 | 4.9 B | 3.3 B |
| COPPER | P | 10 U | 480 | 10 U | 10 U | 7460 | 15 | 12 |
| IRON | P | 227000 | 226000 | 20 U | 20 U | 23500 | 14200 | 10300 |
| LEAD | P | 30 U | 3930 | 30 U | 30 U | 182 | 4.1 U | 4.6 B |
| MAGNESIUM | P | 530000 | 522000 | 10 U | 10 U | 131000 | 7610 | 4440 |
| MANGANESE | P | 7.4 B | 435 | 5 U | 5 U | 196 | 238 | 154 |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER. CHK | PREP | PREP | LAB CONTROL | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | INICS1796 | INICS1814 | INPB02274 | INPB02275 | INLCS2117 | IN815013H | IN815024H |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| NICKEL | P | 6 U | 778 | 6 U | 6 U | 54 | 23 | 16 |
| SELENIUM | P | 70 B | | 50 U | 50 U | 54 | 6.9 U | 6.5 U |
| SILVER | P | 7.2 B | 918 | 6 U | 6 U | 25 | 0.86 B | 0.87 B |
| SODIUM | P | 1220 B | | 170 U | 170 U | 506 | 654 B | 376 B |
| VANADIUM | P | 4 U | 398 | 4 U | 4 U | 59 | 30 E | 23 E |
| ZINC | P | 8 U | 867 | 9.4 B | 8 U | 186 | 71 | 47 |
| % SOLIDS | | | | | | | 97.6 | 97.5 |

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING | CONTINUING | SERIAL | SD % |
| TYPE OF LOCATION | | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | DILUTION | DIFFERENCE |
| SAMPLE NUMBER | | IN815035H | INCCV1236 | INCCV1312 | INCCV1383 | INCCB1106 | IN815035H | IN815035H |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | % |
| ENV PROBLEM NO | | 7 | | | | | 7 | 7 |
| ALUMINUM | P | 6560 | 92500 | 1100 | | 50 U | 6330 | 3.5 |
| ANTIMONY | P | 7.5 UN | | 991 | | 50 U | 38 U | |
| ARSENIC | P | 9 U | | 1090 | | 60 U | 45 U | |
| BARIUM | P | 128 | | 995 | | 1 U | 127 | 0.78 |
| BERYLLIUM | P | 0.99 | | 257 | | 0.3 U | 1.8 | |
| CADMIUM | P | 0.49 B | | 249 | | 1 U | 0.75 U | |
| CALCIUM | P | 24500 | | 26700 | 5260 | 150 U | 24600 | 0.41 |
| CHROMIUM | P | 18 | | 255 | | 5 U | 20 | |
| COBALT | P | 4 B | | 246 | | 2 U | 5.7 B | |
| COPPER | P | 14 | | 260 | | 10 U | 16 | |
| IRON | P | 12500 | 108000 | 969 | | 20 U | 12800 | 2.4 |
| LEAD | P | 4.5 U | | 2360 | | 30 U | 22 U | |
| MAGNESIUM | P | 4330 | 49700 | | 4940 B | 10 U | 4110 | 5.1 |
| MANGANESE | P | 154 | 51100 | 248 | | 5 U | 160 | 3.9 |
| NICKEL | P | 17 | | 239 | | 6 U | 4.5 U | |
| SELENIUM | P | 7.5 U | | 1070 | | 50 U | 38 B | |
| SILVER | P | 0.9 U | | 249 | | 6 U | 4.5 U | |
| SODIUM | P | 251 B | 100000 | | 4760 B | 170 U | 190 B | |
| VANADIUM | P | 30 E | | 256 | | 4 U | 35 | 17 |
| ZINC | P | 54 | | 1480 | | 8 U | 59 | |
| % SOLIDS | | 97.3 | | | | | 97.3 | |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE | MATRIX SPIKE | MS % RECOVERY | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | RPD | | | | | |
| SAMPLE NUMBER | | IN815035H | IN815035H | IN815035H | IN815035H | IN815046H | IN815057H | IN815068H |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | % | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ALUMINUM | P | 6170 | 6.1 | 5700 | | 4310 | 5070 | 8010 |
| ANTIMONY | P | 7.6 U | | 33 | 45 | 7 UN | 7.3 UN | 7.3 UN |
| ARSENIC | P | 9.1 U | | 80 | 110 | 8.4 U | 8.7 U | 8.7 U |
| BARIUM | P | 110 | 18 | 377 | 86 | 93 | 96 | 171 |
| BERYLLIUM | P | 0.97 | 0.02 | 8.1 | 97 | 0.88 | 1 | 1.1 |
| CADMIUM | P | 0.53 B | | 6.9 | 88 | 0.4 B | 0.64 B | 0.67 B |
| CALCIUM | P | 22400 | 9 | 38200 | | 38700 | 56300 | 33600 |
| CHROMIUM | P | 21 | 15 | 51 | 114 | 14 | 20 | 20 |
| COBALT | P | 3.5 B | | 70 | 90 | 2.8 B | 4.1 B | 4.7 B |
| COPPER | P | 14 | 0 | 47 | 92 | 10 | 13 | 15 |
| IRON | P | 10900 | 14 | 10800 | | 9170 | 12200 | 13900 |
| LEAD | P | 10 B | | 75 | 103 | 4.2 U | 4.4 U | 5.6 B |
| MAGNESIUM | P | 4370 | 0.92 | 4220 | | 3720 | 5250 | 6740 |
| MANGANESE | P | 159 | 3.2 | 222 | 93 | 133 | 149 | 223 |
| NICKEL | P | 17 | 0 | 85 | 93 | 13 | 18 | 20 |
| SELENIUM | P | 8.6 B | | 83 | 114 | 8.8 B | 7.3 U | 7.4 B |
| SILVER | P | 1.6 | | 7.8 | 107 | 0.84 U | 0.87 U | 0.87 U |
| SODIUM | P | 297 B | | 246 B | | 295 B | 320 B | 549 B |
| VANADIUM | P | 38 | 24 | 95 | 89 | 23 E | 27 E | 37 E |
| ZINC | P | 51 | 5.7 | 112 | 79 | 39 | 49 | 59 |
| % SOLIDS | | 97.3 | | 97.3 | | 97.9 | 98 | 96.8 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN815079H | IN815080H | IN815091H | IN815104H | INCCV1237 | INCCV1313 | INCCV1384 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| ALUMINUM | P | 4660 | 6380 | 2970 | 7650 | 93100 | 1080 | |
| ANTIMONY | P | 7.3 UN | 7.2 UN | 7.2 UN | 6.9 UN | | 1010 | |
| ARSENIC | P | 8.7 U | 8.6 U | 8.6 U | 8.2 U | | 1090 | |
| BARIUM | P | 85 | 134 | 80 | 137 | | 1000 | |
| BERYLLIUM | P | 0.98 | 1 | 0.71 B | 1 | | 259 | |
| CADMIUM | P | 0.48 B | 0.56 B | 0.76 | 0.59 B | | 252 | |
| CALCIUM | P | 51600 | 34000 | 17700 | 26600 | | 26800 | 5220 |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

| AREA | METHOD | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND | QA CONTINUING CAL FOUND |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | IN815079H | IN815080H | IN815091H | IN815104H | INCCV1237 | INCCV1313 | INCCV1384 |
| TYPE OF LOCATION | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| SAMPLE NUMBER | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| MATRIX | | % | % | % | % | | | |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 17 | 25 | 8 | 22 | | 256 | |
| COBALT | P | 2.9 B | 4.2 B | 1.7 B | 4.4 B | | 247 | |
| COPPER | P | 12 | 14 | 12 | 14 | | 260 | |
| IRON | P | 9550 | 12300 | 5900 | 13800 | 110000 | 969 | |
| LEAD | P | 4.4 U | 5.4 B | 4.3 U | 6.1 B | | 2330 | |
| MAGNESIUM | P | 3960 | 4620 | 2000 | 4940 | 50300 | | 4770 B |
| MANGANESE | P | 137 | 169 | 67 | 185 | 54200 | 250 | |
| NICKEL | P | 14 | 21 | 10 | 19 | | 247 | |
| SELENIUM | P | 11 B | 7.2 U | 7.7 B | 6.9 U | | 1090 | |
| SILVER | P | 0.87 U | 0.98 B | 0.86 U | 0.82 U | | 243 | |
| SODIUM | P | 383 B | 260 B | 182 B | 276 B | 99100 | | 4510 B |
| VANADIUM | P | 24 E | 29 E | 22 E | 33 E | | 251 | |
| ZINC | P | 37 | 51 | 34 | 53 | | 1470 | |
| % SOLIDS | | 96.6 | 97 | 97.4 | 97.3 | | | |

| AREA | METHOD | QA CONTINUING CAL BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INCCB1107 | IN815115H | IN815126H | IN815171H | IN816014H | IN816025H | IN816036H |
| TYPE OF LOCATION | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| SAMPLE NUMBER | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| MATRIX | | | % | % | % | % | % | % |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 50 U | 13700 | 14800 | 10500 | 11000 | 9760 | 7370 |
| ANTIMONY | P | 50 U | 7.7 UN | 7.5 UN | 7.4 UN | 7.4 UN | 24 N | 7.7 UN |
| ARSENIC | P | 60 U | 9.3 U | 9.1 U | 8.9 U | 8.8 U | 8.9 U | 9.2 U |
| BARIUM | P | 1 U | 287 | 242 | 176 | 184 | 178 | 160 |
| BERYLLIUM | P | 0.3 U | 1.3 | 1.4 | 1.2 | 1.3 | 1.2 | 1.1 |
| CADMIUM | P | 1 U | 0.76 B | 0.74 B | 0.75 | 0.81 | 0.83 | 0.69 B |
| CALCIUM | P | 150 U | 31800 | 16500 | 30400 | 27800 | 28500 | 33700 |
| CHROMIUM | P | 5 U | 32 | 29 | 25 | 29 | 48 | 29 |
| COBALT | P | 2 U | 12 | 7 B | 5.7 B | 6.1 B | 6.8 B | 5.1 B |
| COPPER | P | 10 U | 17 | 16 | 17 | 20 | 21 | 17 |
| IRON | P | 20 U | 28300 | 19700 | 16700 | 18100 | 18100 | 14400 |
| LEAD | P | 30 U | 5.8 B | 7.7 B | 6.2 B | 9.6 B | 9 B | 89 |
| MAGNESIUM | P | 10 U | 11700 | 6820 | 6870 | 6700 | 7230 | 6190 |
| MANGANESE | P | 5 U | 551 | 422 | 260 | 288 | 476 | 209 |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

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| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | CAL BLANK | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | INCCB1107 | IN815115H | IN815126H | IN815171H | IN816014H | IN816025H | IN816036H |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | 7 | 7 |
| NICKEL | P | 6 U | 28 | 24 | 23 | 25 | 27 | 22 |
| SELENIUM | P | 50 U | 7.7 U | 7.5 U | 7.4 U | 7.4 U | 7.4 U | 7.7 U |
| SILVER | P | 6 U | 1.5 B | 1 B | 0.89 U | 0.92 B | 1.2 B | 0.92 U |
| SODIUM | P | 170 U | 1380 | 664 B | 667 B | 478 B | 485 B | 395 B |
| VANADIUM | P | 4 U | 48 E | 44 E | 33 E | 38 E | 35 E | 32 E |
| ZINC | P | 8 U | 64 | 64 | 73 | 114 | 135 | 100 |
| % SOLIDS | | | 90.8 | 92.5 | 95.5 | 90.6 | 89.6 | 93.2 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN816047H | IN816058H | IN816069H | IN816070H | INCCV1238 | INCCV1314 | INCCV1385 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| ALUMINUM | P | 6720 | 7100 | 9690 | 6490 | 91300 | 1090 | |
| ANTIMONY | P | 7.3 UN | 7.1 UN | 7.4 UN | 23 N | | 1030 | |
| ARSENIC | P | 8.8 U | 8.6 U | 8.9 U | 9.8 B | | 1100 | |
| BARIUM | P | 98 | 116 | 170 | 120 | | 1020 | |
| BERYLLIUM | P | 1 | 1.1 | 1.2 | 1.4 | | 263 | |
| CADMIUM | P | 0.58 B | 0.54 B | 0.73 B | 0.67 B | | 255 | |
| CALCIUM | P | 33300 | 29100 | 25100 | 135000 | | 27100 | 5320 |
| CHROMIUM | P | 22 | 20 | 28 | 23 | | 257 | |
| COBALT | P | 4.7 B | 4.1 B | 5.7 B | 3.6 B | | 248 | |
| COPPER | P | 14 | 14 | 18 | 19 | | 261 | |
| IRON | P | 13400 | 12800 | 16300 | 10700 | 109000 | 976 | |
| LEAD | P | 6.9 B | 5 B | 8.8 B | 4.1 U | | 2340 | |
| MAGNESIUM | P | 6170 | 4740 | 6420 | 12800 | 49300 | | 4760 B |
| MANGANESE | P | 181 | 183 | 263 | 232 | 56000 | 254 | |
| NICKEL | P | 18 | 19 | 25 | 17 | | 256 | |
| SELENIUM | P | 7.3 U | 7.1 U | 7.4 U | 6.9 U | | 1130 | |
| SILVER | P | 0.88 U | 0.86 U | 0.99 B | 1.1 B | | 236 | |
| SODIUM | P | 227 B | 276 B | 418 B | 653 B | 94700 | | 4360 B |
| VANADIUM | P | 27 E | 28 E | 30 E | 22 E | | 248 | |
| ZINC | P | 48 | 55 | 116 | 82 | | 1470 | |
| % SOLIDS | | 97.9 | 97.3 | 91.6 | 91.9 | | | |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

| AREA | METHOD | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | INCCB1108 | IN816081H | IN816092H | IN816105H | INCCV1239 | INCCV1315 | INCCV1386 |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| UNITS | | | 7 | 7 | 7 | | | |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 50 U | 7060 | 6150 | 7440 | 92700 | 1110 | |
| ANTIMONY | P | 50 U | 7.6 UN | 6.9 UN | 7.3 UN | | 1050 | |
| ARSENIC | P | 60 U | 9.1 U | 8.2 U | 8.8 U | | 1120 | |
| BARIUM | P | 1 U | 112 | 96 | 218 | | 1040 | |
| BERYLLIUM | P | 0.3 U | 1.1 | 0.98 | 1 | | 266 | |
| CADMIUM | P | 1 U | 0.55 B | 0.54 B | 0.58 B | | 259 | |
| CALCIUM | P | 150 U | 28700 | 27300 | 25700 | | 27400 | 5310 |
| CHROMIUM | P | 5 U | 21 | 18 | 20 | | 259 | |
| COBALT | P | 2 U | 4.5 B | 3.8 B | 4 B | | 251 | |
| COPPER | P | 10 U | 14 | 16 | 14 | | 265 | |
| IRON | P | 20 U | 12800 | 11600 | 13500 | 111000 | 988 | |
| LEAD | P | 30 U | 22 B | 6.8 B | 4.4 U | | 2350 | |
| MAGNESIUM | P | 10 U | 4990 | 4180 | 5920 | 50200 | | 4720 B |
| MANGANESE | P | 5 U | 190 | 149 | 186 | 58000 | 258 | |
| NICKEL | P | 6 U | 19 | 16 | 19 | | 264 | |
| SELENIUM | P | 50 U | 7.6 U | 9.2 B | 7.3 U | | 1140 | |
| SILVER | P | 6 U | 0.91 U | 2.2 | 0.88 U | | 235 | |
| SODIUM | P | 170 U | 286 B | 239 B | 268 B | 95800 | | 4210 B |
| VANADIUM | P | 4 U | 26 E | 25 E | 26 E | | 247 | |
| ZINC | P | 8 U | 137 | 56 | 56 | | 1490 | |
| % SOLIDS | | | 92.7 | 95.1 | 91.7 | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CRDL STAND FINAL | INTER CHK SOL. A FINAL | INTER CHK SOL. AB FINA |
| TYPE OF LOCATION | | INCCB1109 | INLRA2175 | INICS1760 | INICS1778 |
| SAMPLE NUMBER | | WATER | WATER | WATER | WATER |
| MATRIX | | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | | | |
| ENV PROBLEM NO | | | | | |
| ALUMINUM | P | 50 U | | 522000 | 525000 |
| ANTIMONY | P | 50 U | 135 | 50 U | |
| ARSENIC | P | 60 U | 540 | 60 U | |
| BARIUM | P | 1 U | | 12 B | 468 |
| BERYLLIUM | P | 0.3 U | 10 | 2 B | 470 |
| CADMIUM | P | 1 U | 11 | 5.8 | 871 |
| CALCIUM | P | 150 U | | 518000 | 524000 |

TABLE D.2.72 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1109 | INLRA2175 | INICS1760 | INICS1778 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | P | 5 U | 20 | 29 | 458 |
| COBALT | P | 2 U | 101 | 2 U | 407 |
| COPPER | P | 10 U | 55 | 10 U | 495 |
| IRON | P | 20 U | | 232000 | 234000 |
| LEAD | P | 30 U | 481 | 30 U | 3920 |
| MAGNESIUM | P | 10 U | | 527000 | 529000 |
| MANGANESE | P | 5 U | 32 | 9.4 B | 464 |
| NICKEL | P | 6 U | 87 | 16 B | 881 |
| SELENIUM | P | 50 U | 549 | 50 U | |
| SILVER | P | 6 U | 48 | 8.3 B | 863 |
| SODIUM | P | 170 U | | 1060 B | |
| VANADIUM | P | 4 U | 95 | 4 U | 390 |
| ZINC | P | 8 U | 43 | 8 U | 882 |
| % SOLIDS | | | | | |

TABLE D.2.73 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1920 | INLCS2155 | INRAN2317 | INICV1884 | INICB1740 | INPB02276 | INPB02277 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 960 B | 100 U | 0.1 U | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TAN/WRRTF |
| TYPE OF LOCATION | | SAMPLE | BURN PITS | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK | BURN PITS |
| SAMPLE NUMBER | | INLCS2118 | IN815013H | INCCV1240 | INCCB1110 | INCCV1241 | INCCB1111 | IN815024H |
| MATRIX | | SOIL | SOIL | WATER | WATER | WATER | WATER | SOIL |
| UNITS | | MG/KG | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG |
| ENV PROBLEM NO | | | 7 | | | | | 7 |
| POTASSIUM | FE | 610 | 1200 | 980 B | 100 U | 1000 B | 100 U | 730 |
| % SOLIDS | | | 97.6 | | | | | 97.5 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING | DUPLICATE | DUPLICATE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | CAL FOUND | CAL BLANK | | RPD | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN815035H | INCCV1242 | INCCB1112 | IN815035H | IN815035H | IN815046H | IN815057H |
| MATRIX | | SOIL | WATER | WATER | SOIL | | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | | | 7 | 7 | 7 | 7 |
| POTASSIUM | FE | 970 | 1000 B | 100 U | 1000 | 30 | 870 | 1000 |
| % SOLIDS | | 97.3 | | | 97.3 | | 97.9 | 98 |

TABLE D.2.73 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013K

DRAFT DO NOT CITE

| | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AREA | | | | | | | | |
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN815068H | IN815079H | IN815080H | IN815091H | IN815104H | IN815115H | IN815126H |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| POTASSIUM | FE | 1500 | 1000 | 1300 | 650 B | 1600 | 2300 | 3100 |
| % SOLIDS | | 96.8 | 96.6 | 97 | 97.4 | 97.3 | 90.8 | 92.5 |

| | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AREA | | QA | QA | | | | | |
| LOCATION | | CONTINUING | CONTINUING | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | INCCV1243 | INCCB1113 | IN815171H | IN816014H | IN816025H | IN816036H | IN816047H |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 7 | 7 | 7 | 7 | 7 |
| POTASSIUM | FE | 1000 B | 100 U | 2600 | 2700 | 2200 | 1700 | 1200 |
| % SOLIDS | | | | 95.5 | 90.6 | 89.6 | 93.2 | 97.9 |

| | METHOD | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AREA | | | | | | | QA | QA |
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN816058H | IN816069H | IN816070H | IN816081H | IN816092H | INCCV1244 | INCCB1114 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | | |
| POTASSIUM | FE | 1600 | 2200 | 1800 | 1600 | 1500 | 1200 B | 100 U |
| % SOLIDS | | 97.3 | 91.6 | 91.9 | 92.7 | 95.1 | | |

TABLE D.2.73 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN815013K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN816105H | INCCV1245 | INCCB1115 |
| MATRIX | | SOIL | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | | |
| POTASSIUM | FE | 1500 | 1000 B | 100 U |
| % SOLIDS | | 91.7 | | |

TABLE D.2.74 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816014G DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0038 | IN2AA1039 | IN2AA2039 | IN03A0038 | IN03B0039 | IN03A1038 | IN2AA3039 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 9.6 | 0.01 B | 0.02 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | DUPLICATE |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | BURN PITS | BURN PITS | BURN PITS | |
| SAMPLE NUMBER | | IN2AA4039 | IN0710038 | IN0710038 | IN817059C | IN817060C | IN817071C | IN817071C |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 7 | 7 | 7 | 7 |
| MERCURY | CV | 10 | 19 | 19 | 0.05 | 0.08 | 0.73 | 0.68 |
| % SOLIDS | | | | | 91.5 | 92.8 | 94.3 | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | CONTINUING | CONTINUING | MATRIX | MS % | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | RPD | CAL BLANK | CAL FOUND | SPIKE | RECOVERY | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN817071C | IN03A2038 | IN2AA5039 | IN817071C | IN817071C | IN817117C | IN817151C |
| MATRIX | | | WATER | WATER | SOIL | | SOIL | SOIL |
| UNITS | | % | UG/L | UG/L | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | | | 7 | 7 | 7 | 7 |
| MERCURY | CV | 7.1 | 0.01 U | 11 | 0.99 | 108 | 0.91 | 0.56 |
| % SOLIDS | | | | | | | 94.6 | 93.7 |

TABLE D.2.74 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816014G

DRAFT DO NOT CITE

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | CAL BLANK | CAL FOUND | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN816014G | IN816025G | IN816036G | IN03A3038 | IN2AB4038 | IN816047G | IN816058G |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | | | 7 | 7 |
| MERCURY | CV | 0.04 B | 0.17 | 0.06 | 0.01 U | 10 | 0.05 | 0.04 B |
| % SOLIDS | | 94.5 | 91.3 | 94.7 | | | 97.1 | 97.7 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | | |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | CAL BLANK | CAL FOUND | | |
| SAMPLE NUMBER | | IN816069G | IN816070G | IN816081G | IN03B4039 | IN2AB5038 | | |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | | |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | | |
| ENV PROBLEM NO | | 7 | 7 | 7 | | | | |
| MERCURY | CV | 0.05 | 0.07 | 0.09 | 0.01 U | 10 | | |
| % SOLIDS | | 92.7 | 93.6 | 95.1 | | | | |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1833 | INICS1851 | INICV1921 | INICV1959 | INICV1995 | INLCS2156 | INLRA2212 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2318 | INRAN2338 | INICV1885 | INICV1941 | INICV1977 | INICB1741 | INLRA2194 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 102000 | 1100 | | 50 U | |
| ANTIMONY | P | 10000 | | | 912 | | 50 U | 102 |
| ARSENIC | P | 20000 | | | 1010 | | 60 U | 489 |
| BARIUM | P | 5000 | | | 982 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 250 | | 0.3 U | 9.3 |
| CADMIUM | P | 5000 | | | 248 | | 1 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 26400 | 5160 | 150 U | |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| LOCATION | | | | INICV1885 | INICV1941 | INICV1977 | INICB1741 | INLRA2194 |
| TYPE OF LOCATION | | | | WATER | WATER | WATER | WATER | WATER |
| SAMPLE NUMBER | | INRAN2318 | INRAN2338 | | | | | |
| MATRIX | | WATER | WATER | | | | | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 253 | | 5 U | 19 |
| COBALT | P | 10000 | | | 238 | | 2 U | 95 |
| COPPER | P | 10000 | | | 262 | | 10 U | 51 |
| IRON | P | 12000 | 1000000 | 107000 | 971 | | 20 U | |
| LEAD | P | 20000 | | | 2360 | | 30 U | 476 |
| MAGNESIUM | P | 12000 | 500000 | 50400 | | 4860 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 50200 | 246 | | 5 U | 30 |
| NICKEL | P | 15000 | | | 237 | | 6 U | 77 |
| SELENIUM | P | 10000 | | | 993 | | 50 U | 451 |
| SILVER | P | 10000 | | | 250 | | 6 U | 39 |
| SODIUM | P | 25000 | 900000 | 104000 | | 4560 B | 170 U | |
| VANADIUM | P | 10000 | | | 256 | | 4 U | 96 |
| ZINC | P | 6000 | | | 1470 | | 8 U | 38 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| | | INTER CHK SOL. A INIT | INTER CHK SOL. AB INIT | PREP BLANK | PREP BLANK | LAB CONTROL SAMPLE | TAN/WRRTF BURN PITS | SERIAL DILUTION |
| LOCATION | | INICS1797 | INICS1815 | INPB02278 | INPB02279 | INLCS2119 | IN816116H | IN816116H |
| TYPE OF LOCATION | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| SAMPLE NUMBER | | | | | | | | |
| MATRIX | | | | | | | | |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| ALUMINUM | P | 514000 | 518000 | 50 U | 50 U | 457 | 8080 | 8190 |
| ANTIMONY | P | 50 U | | 50 U | 50 U | 221 | 7.4 UN | 37 U |
| ARSENIC | P | 60 U | | 60 U | 60 U | 981 | 8.8 U | 44 U |
| BARIUM | P | 11 B | 437 | 2.3 B | 1 U | 6.3 | 127 | 135 |
| BERYLLIUM | P | 4.4 B | 442 | 0.3 U | 0.3 U | 19 | 1.3 E | 2.6 |
| CADMIUM | P | 3.2 B | 790 | 1 U | 1 U | 36 | 1.3 | 1.8 |
| CALCIUM | P | 490000 | 495000 | 150 U | 150 U | 218000 | 39400 | 40100 |
| CHROMIUM | P | 15 | 426 | 5 U | 5 U | 85 | 26 | 29 |
| COBALT | P | 5.8 B | 400 | 2 U | 2 U | 125 | 5.5 B | 5.9 B |
| COPPER | P | 10 U | 483 | 10 U | 10 U | 7060 | 28 N* | 29 |
| IRON | P | 222000 | 223000 | 41 B | 20 U | 22800 | 14900 | 16300 |
| LEAD | P | 30 U | 4060 | 30 U | 30 U | 187 | 17 B | 22 U |
| MAGNESIUM | P | 518000 | 520000 | 17 B | 10 U | 128000 | 6120 | 5760 |
| MANGANESE | P | 6.9 B | 428 | 5 U | 5 U | 186 | 218 | 227 |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | TAN/WRRTF | SERIAL |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | BURN PITS | DILUTION |
| SAMPLE NUMBER | | INICS1797 | INICS1815 | INPB02278 | INPB02279 | INLCS2119 | IN816116H | IN816116H |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| NICKEL | P | 12 B | 769 | 6 U | 6 U | 54 | 23 | 27 |
| SELENIUM | P | 50 U | | 50 U | 50 U | 39 | 7.4 U | 37 U |
| SILVER | P | 8.3 B | 919 | 6 U | 6 U | 26 | 0.88 U | 4.4 U |
| SODIUM | P | 170 U | | 170 U | 170 U | 24 U | 25 U | 125 U |
| VANADIUM | P | 4 U | 420 | 4 U | 4 U | 61 | 31 E | 35 |
| ZINC | P | 8 U | 888 | 9.2 B | 13 B | 177 | 87 | 90 |
| % SOLIDS | | | | | | | 90.2 | 90.2 |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | SD % | DUPLICATE | DUPLICATE | CONTINUING | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | DIFFERENCE | | RPD | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN816116H | IN816116H | IN816116H | INCCV1246 | INCCV1316 | INCCV1387 | INCCB1116 |
| MATRIX | | | SOIL | | WATER | WATER | WATER | WATER |
| UNITS | | % | MG/KG | % | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | | | | |
| ALUMINUM | P | 1.4 | 8150 | 0.86 | 100000 | 1070 | | 50 U |
| ANTIMONY | P | | 8.1 U | | | 888 | | 50 U |
| ARSENIC | P | | 9.7 U | | | 992 | | 60 U |
| BARIUM | P | 6.3 | 169 | 28 | | 959 | | 1 U |
| BERYLLIUM | P | 100 | 1.4 | 0 | | 244 | | 0.3 U |
| CADMIUM | P | | 1.3 | 0 | | 241 | | 1 U |
| CALCIUM | P | 1.8 | 34400 | 14 | | 26100 | 5050 | 150 U |
| CHROMIUM | P | | 24 | 8 | | 246 | | 5 U |
| COBALT | P | | 4.8 B | | | 231 | | 2 U |
| COPPER | P | | 21 | 29 | | 255 | | 10 U |
| IRON | P | 9.4 | 14300 | 4.1 | 104000 | 940 | | 20 U |
| LEAD | P | | 39 | 22 | | 2280 | | 30 U |
| MAGNESIUM | P | 5.9 | 5190 | 16 | 49000 | | 4710 B | 10 U |
| MANGANESE | P | 4.1 | 221 | 1.4 | 49500 | 239 | | 5 U |
| NICKEL | P | | 20 | 3 | | 234 | | 6 U |
| SELENIUM | P | | 8.1 U | | | 963 | | 50 U |
| SILVER | P | | 1 B | | | 243 | | 6 U |
| SODIUM | P | | 28 U | | 100000 | | 4380 B | 170 U |
| VANADIUM | P | 13 | 34 | 2 | | 249 | | 4 U |
| ZINC | P | 2.3 | 90 | 3.4 | | 1430 | | 18 B |
| % SOLIDS | | | 90.2 | | | | | |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | | SPIKE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | | IN816116H | IN816116H | IN816127H | IN816138H | IN816150H | IN816161H | IN816183H |
| MATRIX | | SOIL | | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ALUMINUM | P | 8240 | | 32800 | 7610 | 4550 | 11900 | 34200 |
| ANTIMONY | P | 29 | 40 | 8.4 UN | 7.3 UN | 6.9 UN | 7.5 UN | 363 N |
| ARSENIC | P | 71 | 99 | 10 U | 8.8 U | 8.3 U | 9 U | 35 B |
| BARIUM | P | 405 | 97 | 282 | 125 | 82 | 155 | 390 |
| BERYLLIUM | P | 8.1 | 94 | 2.3 E | 1.2 E | 1.2 E | 1.5 E | 2.2 E |
| CADMIUM | P | 7 | 79 | 0.54 B | 0.64 B | 0.41 B | 0.94 | 1.7 |
| CALCIUM | P | 25900 | | 13300 | 29400 | 72700 | 28600 | 6980 |
| CHROMIUM | P | 48 | 76 | 33 | 24 | 14 | 25 | 37 |
| COBALT | P | 68 | 87 | 14 | 5.1 B | 2.8 B | 10 | 16 |
| COPPER | P | 53 | 69 | 30 N* | 16 N* | 10 N* | 27 N* | 40 N* |
| IRON | P | 14200 | | 33200 | 14400 | 8880 | 25300 | 34400 |
| LEAD | P | 89 | 100 | 10 B | 48 | 4.2 B | 349 | 28200 |
| MAGNESIUM | P | 5140 | | 10600 | 5670 | 3800 | 10800 | 8670 |
| MANGANESE | P | 280 | 86 | 975 | 212 | 108 | 469 | 805 |
| NICKEL | P | 84 | 85 | 33 | 20 | 12 | 27 | 36 |
| SELENIUM | P | 68 | 94 | 8.4 U | 7.3 U | 6.9 U | 7.5 U | 8.4 U |
| SILVER | P | 7.6 | 106 | 1 B | 0.88 U | 0.83 U | 0.9 U | 1.4 B |
| SODIUM | P | 24 U | | 28 U | 25 U | 23 U | 26 U | 29 U |
| VANADIUM | P | 99 | 94 | 42 E | 33 E | 23 E | 40 E | 45 E |
| ZINC | P | 151 | 89 | 100 | 104 | 36 | 101 | 96 |
| % SOLIDS | | 90.2 | | 81.2 | 94.5 | 96.9 | 92.2 | 83.7 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN816207H | IN817059D | IN817060D | IN817071D | INCCV1247 | INCCV1317 | INCCV1388 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| ALUMINUM | P | 6440 | 18000 | 20400 | 18100 | 100000 | 1060 | |
| ANTIMONY | P | 7.4 UN | 7.5 UN | 7.4 UN | 7.5 UN | | 890 | |
| ARSENIC | P | 8.8 U | 9 U | 8.9 U | 9 U | | 996 | |
| BARIUM | P | 70 | 273 | 235 | 229 | | 968 | |
| BERYLLIUM | P | 1.2 E | 2 E | 1.9 E | 1.8 E | | 242 | |
| CADMIUM | P | 0.36 B | 0.54 B | 0.29 B | 0.4 B | | 241 | |
| CALCIUM | P | 26700 | 81300 | 49400 | 59100 | | 26000 | 4980 B |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN816207H | IN817059D | IN817060D | IN817071D | INCCV1247 | INCCV1317 | INCCV1388 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | | | |
| CHROMIUM | P | 26 | 24 | 29 | 24 | | 244 | |
| COBALT | P | 4.6 B | 7.5 B | 7.8 | 8.9 | | 233 | |
| COPPER | P | 14 N* | 21 N* | 20 N* | 19 N* | | 254 | |
| IRON | P | 14200 | 21900 | 23000 | 23300 | 104000 | 946 | |
| LEAD | P | 11 B | 7.9 B | 7.9 B | 5.3 B | | 2270 | |
| MAGNESIUM | P | 5780 | 14400 | 13500 | 14600 | 49200 | | 4630 B |
| MANGANESE | P | 175 | 425 | 444 | 449 | 50600 | 239 | |
| NICKEL | P | 19 | 22 | 24 | 24 | | 235 | |
| SELENIUM | P | 7.4 U | 7.5 U | 7.4 U | 7.5 U | | 992 | |
| SILVER | P | 0.88 U | 1 B | 0.96 B | 1 B | | 238 | |
| SODIUM | P | 25 U | 1600 | 25 U | 26 U | 99400 | | 4410 B |
| VANADIUM | P | 35 E | 42 E | 47 E | 43 E | | 246 | |
| ZINC | P | 48 | 60 | 63 | 67 | | 1430 | |
| % SOLIDS | | 96.6 | 91.2 | 93 | 93.7 | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | TAN/WRRTF | TAN/WRRTF | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | BURN PITS | BURN PITS | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCB1117 | IN817117D | IN817151D | IN823013B | IN823024B | IN823035B | IN823057B |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 9 | 9 | 9 | 9 |
| ALUMINUM | P | 50 U | 16800 | 17500 | 7710 | 6580 | 6370 | 10800 |
| ANTIMONY | P | 50 U | 7 UN | 7.1 UN | 7.2 UN | 6.9 UN | 7.2 UN | 7.4 UN |
| ARSENIC | P | 60 U | 8.4 U | 8.5 U | 13 B | 14 B | 14 B | 9.8 B |
| BARIUM | P | 1 U | 220 | 223 | 91 | 80 | 91 | 137 |
| BERYLLIUM | P | 0.3 U | 1.7 E | 1.7 E | 1.6 E | 1.7 E | 1.7 E | 1.8 E |
| CADMIUM | P | 1 U | 0.3 B | 0.34 B | 0.6 B | 0.96 | 0.74 | 0.82 |
| CALCIUM | P | 150 U | 54400 | 52200 | 156000 | 182000 | 171000 | 144000 |
| CHROMIUM | P | 5 U | 23 | 24 | 17 | 15 | 14 | 20 |
| COBALT | P | 2 U | 9.3 | 10 | 3.8 B | 3.6 B | 3.2 B | 5.2 B |
| COPPER | P | 10 U | 18 N* | 19 N* | 11 N* | 9.1 N* | 11 N* | 16 N* |
| IRON | P | 20 U | 23200 | 25100 | 10300 | 8890 | 8590 | 14000 |
| LEAD | P | 30 U | 7.8 B | 4.6 B | 5.5 B | 4.1 U | 5.1 B | 7.1 B |
| MAGNESIUM | P | 10 U | 14100 | 14700 | 11000 | 11100 | 10300 | 10800 |
| MANGANESE | P | 5 U | 466 | 478 | 215 | 179 | 190 | 389 |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK |
| TYPE OF LOCATION | | INCCB1117 | IN817117D | IN817151D | IN823013B | IN823024B | IN823035B | IN823057B |
| SAMPLE NUMBER | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | | 7 | 7 | 9 | 9 | 9 | 9 |
| NICKEL | P | 6 U | 24 | 25 | 18 | 16 | 17 | 24 |
| SELENIUM | P | 50 U | 7 U | 7.1 U | 7.2 U | 6.9 U | 7.2 U | 7.4 U |
| SILVER | P | 6 U | 0.84 U | 0.85 U | 0.86 U | 1.1 B | 0.86 U | 1.1 B |
| SODIUM | P | 170 U | 1110 | 1600 | 24 U | 23 U | 24 U | 25 U |
| VANADIUM | P | 4 U | 40 E | 41 E | 25 E | 23 E | 24 E | 28 E |
| ZINC | P | 8 U | 101 | 64 | 52 | 49 | 52 | 75 |
| % SOLIDS | | | 95.8 | 95.1 | 97.8 | 98.3 | 97 | 94.5 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | IN823068B | IN823079B | IN823080B | IN823104B | INCCV1248 | INCCV1318 | INCCV1389 |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| UNITS | | | | | | | | |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| ALUMINUM | P | 14400 | 9200 | 18600 | 18400 | 101000 | 1060 | |
| ANTIMONY | P | 7.4 UN | 7 UN | 7.4 UN | 7.3 UN | | 892 | |
| ARSENIC | P | 9.2 B | 14 B | 8.9 U | 8.8 U | | 974 | |
| BARIUM | P | 171 | 101 | 211 | 225 | | 961 | |
| BERYLLIUM | P | 1.8 E | 1.8 E | 2 E | 2 E | | 241 | |
| CADMIUM | P | 0.8 | 0.78 | 0.95 | 0.93 | | 240 | |
| CALCIUM | P | 94800 | 183000 | 78700 | 74100 | | 25800 | 5050 |
| CHROMIUM | P | 27 | 19 | 35 | 33 | | 237 | |
| COBALT | P | 7.3 B | 3.8 B | 8.4 | 8.8 | | 230 | |
| COPPER | P | 26 N* | 12 N* | 25 N* | 27 N* | | 253 | |
| IRON | P | 22700 | 10900 | 22000 | 23100 | 104000 | 936 | |
| LEAD | P | 9.2 B | 4.3 B | 14 B | 16 B | | 2260 | |
| MAGNESIUM | P | 12400 | 10600 | 13100 | 13300 | 49500 | | 4610 B |
| MANGANESE | P | 425 | 210 | 460 | 525 | 51400 | 238 | |
| NICKEL | P | 31 | 18 | 35 | 34 | | 235 | |
| SELENIUM | P | 7.4 U | 7 U | 7.4 U | 7.3 U | | 992 | |
| SILVER | P | 1.2 B | 0.85 B | 1.2 B | 1.5 | | 234 | |
| SODIUM | P | 25 U | 24 U | 25 U | 25 U | 97700 | | 4370 B |
| VANADIUM | P | 41 E | 29 E | 59 E | 53 E | | 242 | |
| ZINC | P | 82 | 56 | 131 | 101 | | 1420 | |
| % SOLIDS | | 96.3 | 96.6 | 93.1 | 93.9 | | | |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CONTINUING | CRDL STAND | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | FINAL | SOL. A FINAL |
| SAMPLE NUMBER | | INCCB1118 | INCCV1249 | INCCV1319 | INCCV1390 | INCCB1119 | INLRA2176 | INICS1761 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 50 U | 99400 | 1070 | | 50 U | | 507000 |
| ANTIMONY | P | 50 U | | 888 | | 50 U | 94 | 50 U |
| ARSENIC | P | 60 U | | 983 | | 60 U | 479 | 60 U |
| BARIUM | P | 1 U | | 960 | | 1 U | | 11 B |
| BERYLLIUM | P | 0.3 U | | 240 | | 0.3 U | 9.1 | 4.5 B |
| CADMIUM | P | 1 U | | 240 | | 1 U | 9.5 | 2.6 B |
| CALCIUM | P | 150 U | | 25700 | 5170 | 150 U | | 484000 |
| CHROMIUM | P | 5 U | | 235 | | 5 U | 18 | 14 |
| COBALT | P | 2 U | | 229 | | 2 U | 93 | 5 B |
| COPPER | P | 10 U | | 253 | | 10 U | 48 | 10 U |
| IRON | P | 20 U | 103000 | 930 | | 20 U | | 218000 |
| LEAD | P | 30 U | | 2230 | | 30 U | 454 | 30 U |
| MAGNESIUM | P | 10 U | 49000 | | 4660 B | 10 U | | 512000 |
| MANGANESE | P | 5 U | 51100 | 238 | | 5 U | 29 | 6.8 B |
| NICKEL | P | 6 U | | 235 | | 6 U | 76 | 12 B |
| SELENIUM | P | 50 U | | 977 | | 50 U | 430 | 50 U |
| SILVER | P | 6 U | | 232 | | 6 U | 30 | 6.8 B |
| SODIUM | P | 170 U | 97100 | | 4480 B | 170 U | | 170 U |
| VANADIUM | P | 4 U | | 241 | | 4 U | 91 | 4 U |
| ZINC | P | 8 U | | 1420 | | 8 U | 37 | 8 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1779 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| ALUMINUM | P | 499000 |
| ANTIMONY | P | |
| ARSENIC | P | |
| BARIUM | P | 431 |
| BERYLLIUM | P | 427 |
| CADMIUM | P | 773 |
| CALCIUM | P | 478000 |

TABLE D.2.75 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116H

DRAFT DO NOT CITE

| | METHOD | |
|---|---|---|
| AREA | | QA |
| LOCATION | | INTER CHK |
| TYPE OF LOCATION | | SOL. AB FINA |
| SAMPLE NUMBER | | INICS1779 |
| MATRIX | | WATER |
| UNITS | | UG/L |
| ENV PROBLEM NO | | |
| CHROMIUM | P | 412 |
| COBALT | P | 392 |
| COPPER | P | 466 |
| IRON | P | 215000 |
| LEAD | P | 3940 |
| MAGNESIUM | P | 504000 |
| MANGANESE | P | 420 |
| NICKEL | P | 772 |
| SELENIUM | P | |
| SILVER | P | 853 |
| SODIUM | P | |
| VANADIUM | P | 394 |
| ZINC | P | 831 |
| % SOLIDS | | |

TABLE D.2.76 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN816116K DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1922 | INLCS2157 | INRAN2319 | INICV1886 | INICB1742 | INPB02280 | INPB02281 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 1000 B | 100 U | 0.1 U | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | CONTINUING | TAN/WRRTF | DUPLICATE |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK | BURN PITS | |
| SAMPLE NUMBER | | INLCS2120 | INCCV1250 | INCCB1120 | INCCV1251 | INCCB1121 | IN816116H | IN816116H |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 7 | 7 |
| POTASSIUM | FE | 280 | 1000 B | 100 U | 1000 B | 100 U | 1500 | 1700 |
| % SOLIDS | | | | | | | 90.2 | 90.2 |

| AREA | METHOD | QA | | | QA | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | TAN/WRRTF | TAN/WRRTF | CONTINUING | TAN/WRRTF | TAN/WRRTF | CONTINUING |
| TYPE OF LOCATION | | RPD | BURN PITS | BURN PITS | CAL FOUND | BURN PITS | BURN PITS | CAL BLANK |
| SAMPLE NUMBER | | IN816116H | IN816127H | IN816138H | INCCV1252 | IN816150H | IN816161H | INCCB1122 |
| MATRIX | | | SOIL | SOIL | WATER | SOIL | SOIL | WATER |
| UNITS | | % | MG/KG | MG/KG | UG/L | MG/KG | MG/KG | UG/L |
| ENV PROBLEM NO | | 7 | 7 | 7 | | 7 | 7 | |
| POTASSIUM | FE | 200 | 7000 | 1400 | 980 B | 1100 | 1900 | 100 U |
| % SOLIDS | | | 81.2 | 94.5 | | 96.9 | 92.2 | |

| AREA | METHOD | | | | | | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | CONTINUING | PM-2A TANK |
| TYPE OF LOCATION | | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CAL BLANK | TANK |
| SAMPLE NUMBER | | IN816207H | IN817059D | IN817060D | IN817071D | IN817117D | INCCB1123 | IN823035B |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER | SOIL |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | MG/KG |
| ENV PROBLEM NO | | 7 | 7 | 7 | 7 | 7 | | 9 |
| POTASSIUM | FE | 1000 | 3500 | 3800 | 3700 | 3200 | 100 U | 1600 |
| % SOLIDS | | 96.6 | 91.2 | 93 | 93.7 | 95.8 | | 97 |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | TAN/WRRTF |
| TYPE OF LOCATION | | CAL FOUND | TANK | TANK | TANK | TANK | TANK | BURN PITS |
| SAMPLE NUMBER | | INCCV1253 | IN823057B | IN823068B | IN823079B | IN823080B | IN823104B | IN816183H |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 9 | 9 | 9 | 9 | 9 | 7 |
| POTASSIUM | FE | 980 B | 2100 | 4400 | 2100 | 3800 | 3600 | 6200 |
| % SOLIDS | | | 94.5 | 96.3 | 96.6 | 93.1 | 93.9 | 83.7 |

| AREA | METHOD | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/WRRTF | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING | | |
| TYPE OF LOCATION | | BURN PITS | TANK | TANK | CAL FOUND | CAL BLANK | | |
| SAMPLE NUMBER | | IN817151D | IN823024B | IN823013B | INCCV1254 | INCCB1124 | | |
| MATRIX | | SOIL | SOIL | SOIL | WATER | WATER | | |
| UNITS | | MG/KG | MG/KG | MG/KG | UG/L | UG/L | | |
| ENV PROBLEM NO | | 7 | 9 | 9 | | | | |
| POTASSIUM | FE | 1900 | 1600 | 1900 | 980 B | 100 U | | |
| % SOLIDS | | 95.1 | 98.3 | 97.8 | | | | |

TABLE D.2.77 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN820010B

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL BLANK 1 | INITIAL CAL TRUE A | INITIAL CAL FOUND A | PREP BLANK | PREP BLANK 2 | CONTINUING CAL BLANK | CONTINUING CAL TRUE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A0039 | IN2AA1040 | IN2AA2040 | IN03A0039 | IN03B0040 | IN03A1039 | IN2AA3040 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.02 U | 10 | 9.7 | 0.01 B | 0.02 B | 0.02 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL FOUND | LAB CONTROL SAMPLE TRUE | LAB CONTROL SAMPLE | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN2AA4040 | IN0710039 | IN0710039 | IN820010B | IN820021B | IN820032B | IN820043B |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 8 | 8 | 8 | 8 |
| MERCURY | CV | 9.6 | 19 | 19 | 0.06 | 0.08 | 0.08 | 0.07 |
| % SOLIDS | | | | | 89.1 | 85.3 | 85 | 88.3 |

| AREA | METHOD | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | DUPLICATE | DUPLICATE RPD |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN03A2039 | IN2AA5040 | IN820054B | IN820065B | IN822012B | IN822012B | IN822012B |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | | | 8 | 8 | 8 | 8 | 8 |
| MERCURY | CV | 0.02 U | 9.9 | 0.07 | 0.07 | 21 | 20 | 5.4 |
| % SOLIDS | | | | 85.3 | 85.8 | 95.5 | | |

TABLE D.2.77 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN820010B

DRAFT DO NOT CITE

| AREA | METHOD | | | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | CONTINUING CAL BLANK | CONTINUING CAL FOUND | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD |
| TYPE OF LOCATION | | IN822023B | IN822034B | IN03A3039 | IN2AB4039 | IN822045B | IN822056B | IN822067B |
| SAMPLE NUMBER | | SOIL | SOIL | WATER | WATER | SOIL | SOIL | SOIL |
| MATRIX | | MG/KG | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| UNITS | | 8 | 8 | | | 8 | 8 | 8 |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.49 | 7.8 | 0.02 U | 9.7 | 1 | 0.19 | 1.9 |
| % SOLIDS | | 94.9 | 95.9 | | | 94.3 | 92.5 | 92.7 |

| AREA | METHOD | QA | | | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | CONTINUING CAL BLANK | CONTINUING CAL FOUND | |
| TYPE OF LOCATION | | IN822067B | IN822078B | IN822089B | IN822090B | IN03B4040 | IN2AB5039 | |
| SAMPLE NUMBER | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | |
| MATRIX | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | |
| UNITS | | 8 | 8 | 8 | 8 | | | |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 1.8 | 0.62 | 0.52 | 4.2 | 0.02 U | 9.6 | |
| % SOLIDS | | | 92.4 | 92.3 | 93.5 | | | |

TABLE D.2.78 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN823013A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | INITIAL CAL | INITIAL CAL | PREP | PREP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | BLANK 1 | TRUE A | FOUND A | BLANK | BLANK 2 | CAL BLANK | CAL TRUE |
| SAMPLE NUMBER | | IN03A0040 | IN2AA1041 | IN2AA2041 | IN03A0040 | IN03B0041 | IN03A1040 | IN2AA3041 |
| MATRIX | | WATER | WATER | WATER | SOIL | SOIL | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| MERCURY | CV | 0.01 U | 10 | 9.6 | 0.01 B | 0.02 B | 0.01 U | 10 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | LAB CONTROL | LAB CONTROL | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL FOUND | SAMPLE TRUE | SAMPLE | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | IN2AA4041 | IN0710040 | IN0710040 | IN823013A | IN823024A | IN823035A | IN823057A |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | 9 | 9 | 9 | 9 |
| MERCURY | CV | 10 | 19 | 19 | 0.03 B | 0.03 B | 0.03 | 0.03 B |
| % SOLIDS | | | | | 97.8 | 98.6 | 97 | 97.3 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | CAL FOUND | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | IN03A2040 | IN2AA5041 | IN823068A | IN823079A | IN823080A | IN823104A | IN823126A |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 9 | 9 | 9 | 9 | 9 |
| MERCURY | CV | 0.01 U | 10 | 0.04 B | 0.05 | 0.05 B | 0.06 | 0.03 B |
| % SOLIDS | | | | 96.4 | 94.4 | 92.8 | 92.5 | 96.2 |

TABLE D.2.78 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN823013A

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | TANK | CAL BLANK | CAL FOUND | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | IN823137A | IN03A3040 | IN2AB4040 | IN823159A | IN823171A | IN823182A | IN823206A |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | | | 9 | 9 | 9 | 9 |
| MERCURY | CV | 0.05 | 0.01 U | 10 | 0.04 | 0.04 B | 0.04 B | 0.05 |
| % SOLIDS | | 93.2 | | | 95 | 93.5 | 92 | 95.4 |

| AREA | METHOD | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | CONTINUING CAL BLANK | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | | IN823206A | IN823206A | IN823206A | IN823206A | IN03B4041 | IN2AB5040 |
| MATRIX | | SOIL | | SOIL | | WATER | WATER |
| UNITS | | MG/KG | % | MG/KG | % | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | |
| MERCURY | CV | 0.05 | 0 | 0.27 | 96 | 0.01 U | 10 |
| % SOLIDS | | | | | | | |

TABLE D.2.79 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827017B

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK |
| TYPE OF LOCATION | | TANK | | | TANK | | | TANK |
| SAMPLE NUMBER | | IN827017B | IN827017B | IN827017B | IN827119B | IN827119B | IN827119B | IN827211B |
| MATRIX | | SOIL | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 1.5 N | 20 | 0.5 UN | 1.1 N | 12 | 0.5 UN |
| % SOLIDS | | 95.7 | | | 94 | | | 93.8 |

| AREA | METHOD | QA | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | | | | | TANK | | |
| SAMPLE NUMBER | | IN827211B | IN827211B | IN827211B | IN827211B | IN827313B | IN827313B | IN827313B |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL | |
| UNITS | | MG/KG | % | MG/KG | % | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 U | 0 | 0.5 UN | 0 | 0.5 UN | 0.5 UN | 0 |
| % SOLIDS | | | | | | 94.8 | | |

| AREA | METHOD | QA |
|---|---|---|
| LOCATION | | PREP |
| TYPE OF LOCATION | | BLANK |
| SAMPLE NUMBER | | IN03A0001 |
| MATRIX | | SOIL |
| UNITS | | MG/KG |
| ENV PROBLEM NO | | |
| CR6+ | | 0.5 U |
| % SOLIDS | | |

TABLE D.2.80 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827039B

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK |
| TYPE OF LOCATION | | TANK | | | TANK | | | TANK |
| SAMPLE NUMBER | | IN827039B | IN827039B | IN827039B | IN827051B | IN827051B | IN827051B | IN827131B |
| MATRIX | | SOIL | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 3.2 N | 54 | 0.5 UN | 2.2 N | 34 | 0.5 UN |
| % SOLIDS | | 88.9 | | | 96.1 | | | 94.1 |

| AREA | METHOD | QA | QA | | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | DUPLICATE |
| TYPE OF LOCATION | | | | TANK | | | TANK | |
| SAMPLE NUMBER | | IN827131B | IN827131B | IN827153B | IN827153B | IN827153B | IN827233B | IN827233B |
| MATRIX | | SOIL | | SOIL | SOIL | | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 0 | 0.5 UN | 2 N | 30 | 0.5 UN | 5 U |
| % SOLIDS | | | | 97.4 | | | 95.4 | |

| AREA | METHOD | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK |
| TYPE OF LOCATION | | | | | TANK | | | TANK |
| SAMPLE NUMBER | | IN827233B | IN827233B | IN827233B | IN827255B | IN827255B | IN827255B | IN827335B |
| MATRIX | | | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | % | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 164 | 0.5 UN | 0 | 0.5 UN | 1.4 N | 18 | 0.5 UN |
| % SOLIDS | | | | | 97.5 | | | 99.5 |

TABLE D.2.80 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827039B DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PREP BLANK |
| TYPE OF LOCATION | | | | TANK | | | |
| SAMPLE NUMBER | | IN827335B | IN827335B | IN827357B | IN827357B | IN827357B | IN03A0002 |
| MATRIX | | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | |
| CR6+ | | 0.5 UN | 0 | 0.5 UN | 2.5 N | 40 | 0.5 U |
| % SOLIDS | | | | 98.8 | | | |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | INITIAL CAL | INITIAL CAL | INITIAL CAL | LAB CONTROL | CRDL STAND |
| TYPE OF LOCATION | | SOL. A TRUE | SOL. AB TRUE | TRUE A | TRUE B | TRUE C | SAMPLE TRUE | TRUE |
| SAMPLE NUMBER | | INICS1834 | INICS1852 | INICV1923 | INICV1960 | INICV1996 | INLCS2158 | INLRA2213 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | SOIL | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | MG/KG | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 511000 | 508000 | 100000 | 1040 | | 325 | |
| ANTIMONY | P | | | | 1000 | | 211 | 120 |
| ARSENIC | P | | | | 1000 | | 917 | 500 |
| BARIUM | P | | 483 | | 1000 | | 4.8 | |
| BERYLLIUM | P | | 474 | | 250 | | 19 | 10 |
| CADMIUM | P | | 909 | | 246 | | 45 | 10 |
| CALCIUM | P | 476000 | 470000 | | 25100 | 5000 | 196000 | |
| CHROMIUM | P | | 513 | | 251 | | 100 | 20 |
| COBALT | P | | 478 | | 249 | | 144 | 100 |
| COPPER | P | | 534 | | 260 | | 6910 | 50 |
| IRON | P | 219000 | 211000 | 100000 | 1040 | | 22400 | |
| LEAD | P | | 4850 | | 2480 | | 236 | 500 |
| MAGNESIUM | P | 513000 | 513000 | 50000 | | 5000 | 118000 | |
| MANGANESE | P | | 470 | 50000 | 252 | | 208 | 30 |
| NICKEL | P | | 916 | | 242 | | 61 | 80 |
| SELENIUM | P | | | | 1000 | | 39 | 500 |
| SILVER | P | | 934 | | 242 | | 22 | 20 |
| SODIUM | P | | | 100000 | | 5000 | 50 | |
| VANADIUM | P | | 475 | | 252 | | 66 | 100 |
| ZINC | P | | 973 | | 1460 | | 187 | 40 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL FOUND A | INITIAL CAL FOUND B | INITIAL CAL FOUND C | INITIAL CAL BLANK | CRDL STAND INITIAL |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | INRAN2320 | INRAN2339 | INICV1887 | INICV1942 | INICV1978 | INICB1743 | INLRA2195 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| ALUMINUM | P | 10000 | 800000 | 91500 | 1120 | | 50 U | |
| ANTIMONY | P | 10000 | | | 986 | | 50 U | 108 |
| ARSENIC | P | 20000 | | | 1030 | | 60 U | 511 |
| BARIUM | P | 5000 | | | 981 | | 1 U | |
| BERYLLIUM | P | 1500 | | | 254 | | 0.3 U | 9.6 |
| CADMIUM | P | 5000 | | | 249 | | 1 U | 10 |
| CALCIUM | P | 20000 | 800000 | | 25800 | 5060 | 150 U | |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LINEAR RANGE | LINEAR RANGE | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | CRDL STAND |
| TYPE OF LOCATION | | | | FOUND A | FOUND B | FOUND C | BLANK | INITIAL |
| SAMPLE NUMBER | | INRAN2320 | INRAN2339 | INICV1887 | INICV1942 | INICV1978 | INICB1743 | INLRA2195 |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | | | |
| CHROMIUM | P | 10000 | | | 254 | | 5 U | 20 |
| COBALT | P | 10000 | | | 243 | | 2 U | 96 |
| COPPER | P | 10000 | | | 252 | | 10 U | 51 |
| IRON | P | 12000 | 1000000 | 107000 | 957 | | 20 U | |
| LEAD | P | 20000 | | | 2360 | | 30 U | 495 |
| MAGNESIUM | P | 12000 | 500000 | 49600 | | 4810 B | 10 U | |
| MANGANESE | P | 2000 | 200000 | 49400 | 247 | | 5 U | 30 |
| NICKEL | P | 15000 | | | 244 | | 6 U | 80 |
| SELENIUM | P | 10000 | | | 996 | | 50 U | 478 |
| SILVER | P | 10000 | | | 248 | | 6 U | 19 |
| SODIUM | P | 25000 | 900000 | 103000 | | 4770 B | 170 U | |
| VANADIUM | P | 10000 | | | 251 | | 4 U | 96 |
| ZINC | P | 6000 | | | 1450 | | 8 U | 41 |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | TANK | TANK |
| SAMPLE NUMBER | | INICS1798 | INICS1816 | INPB02282 | INPB02283 | INLCS2121 | IN827313A | IN827335A |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| ALUMINUM | P | 507000 | 505000 | 50 U | 50 U | 465 | 4620 | 7750 |
| ANTIMONY | P | 1560 | 622 | 50 U | 50 U | 248 | 7.2 UN | 7.3 UN |
| ARSENIC | P | 60 U | 60 U | 60 U | 60 U | 992 | 8.7 U | 8.7 U |
| BARIUM | P | 15 B | 428 | 1 U | 1 U | 6.4 | 77 | 136 |
| BERYLLIUM | P | 3.6 B | 433 | 0.3 U | 0.3 U | 19 | 1.1 | 1.2 |
| CADMIUM | P | 18 | 813 | 1 B | 1 U | 39 | 0.66 B | 0.38 B |
| CALCIUM | P | 481000 | 483000 | 150 U | 150 U | 216000 | 56800 | 40300 |
| CHROMIUM | P | 16 | 425 | 5 U | 5 U | 88 | 17 | 18 |
| COBALT | P | 6 B | 394 | 2 U | 2 U | 127 | 3.5 B | 4.6 B |
| COPPER | P | 10 U | 468 | 10 U | 10 U | 6990 | 15 | 15 |
| IRON | P | 219000 | 218000 | 20 U | 20 U | 22800 | 11600 | 14200 |
| LEAD | P | 30 U | 3940 | 30 U | 30 U | 186 | 13 B | 6.2 B |
| MAGNESIUM | P | 521000 | 511000 | 10 U | 10 U | 128000 | 4050 | 5450 |
| MANGANESE | P | 6.3 B | 424 | 5 U | 5 U | 193 | 203 E | 205 E |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INTER CHK | INTER CHK | PREP | PREP | LAB CONTROL | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | SOL. A INIT | SOL. AB INIT | BLANK | BLANK | SAMPLE | TANK | TANK |
| SAMPLE NUMBER | | INICS1798 | INICS1816 | INPB02282 | INPB02283 | INLCS2121 | IN827313A | IN827335A |
| MATRIX | | WATER | WATER | WATER | WATER | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| NICKEL | P | 6 U | 761 | 6 U | 6 U | 58 | 16 | 18 |
| SELENIUM | P | 50 U | 50 U | 50 U | 50 U | 37 | 7.2 U | 7.3 U |
| SILVER | P | 6 U | 907 | 6 U | 6 U | 26 | 0.87 U | 0.87 U |
| SODIUM | P | 1330 B | 1220 B | 170 U | 170 U | 528 | 253 B | 295 B |
| VANADIUM | P | 4 U | 403 | 4 U | 4 U | 59 | 21 | 26 |
| ZINC | P | 8 U | 845 | 8 U | 10 B | 181 | 83 | 53 |
| % SOLIDS | | | | | | | 96.6 | 95 |

| AREA | METHOD | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | CONTINUING | CONTINUING | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | TANK | CAL FOUND | CAL FOUND | CAL FOUND | CAL BLANK | TANK | TANK |
| SAMPLE NUMBER | | IN827357A | INCCV1255 | INCCV1320 | INCCV1391 | INCCB1125 | IN827415A | IN827426A |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | | | | | 9 | 9 |
| ALUMINUM | P | 4380 | 91300 | 1100 | | 50 U | 12600 | 7940 |
| ANTIMONY | P | 7 UN | | 977 | | 50 U | 10 N | 7.1 UN |
| ARSENIC | P | 8.4 U | | 1020 | | 60 U | 8.6 U | 8.5 U |
| BARIUM | P | 60 | | 967 | | 1 U | 440 | 263 |
| BERYLLIUM | P | 1 | | 251 | | 0.3 U | 1.4 | 1.2 |
| CADMIUM | P | 0.4 B | | 247 | | 1 U | 1.9 | 0.63 B |
| CALCIUM | P | 61700 | | 26000 | 5090 | 150 U | 40300 | 51200 |
| CHROMIUM | P | 21 | | 250 | | 5 U | 1630 | 85 |
| COBALT | P | 3.3 B | | 238 | | 2 U | 12 | 6 B |
| COPPER | P | 9.8 | | 249 | | 10 U | 264 | 26 |
| IRON | P | 7970 | 105000 | 938 | | 20 U | 35900 | 21200 |
| LEAD | P | 5 B | | 2290 | | 30 U | 55 | 7.2 B |
| MAGNESIUM | P | 3940 | 49300 | | 4670 B | 10 U | 7460 | 5160 |
| MANGANESE | P | 217 E | 51600 | 244 | | 5 U | 473 E | 229 E |
| NICKEL | P | 18 | | 246 | | 6 U | 24 | 24 |
| SELENIUM | P | 7 U | | 1010 | | 50 U | 7.1 U | 7.1 U |
| SILVER | P | 0.84 U | | 236 | | 6 U | 1.3 B | 0.85 U |
| SODIUM | P | 259 B | 99000 | | 4730 B | 170 U | 556 B | 348 B |
| VANADIUM | P | 17 | | 241 | | 4 U | 43 | 27 |
| ZINC | P | 31 | | 1430 | | 8 U | 1490 | 78 |
| % SOLIDS | | 98.6 | | | | | 97.6 | 94.1 |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | SERIAL DILUTION | SD % DIFFERENCE | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | TANK | | | | | | |
| SAMPLE NUMBER | | IN827437A | IN827437A | IN827437A | IN827437A | IN827437A | IN827437A | IN827437A |
| MATRIX | | SOIL | SOIL | | SOIL | | SOIL | |
| UNITS | | MG/KG | MG/KG | % | MG/KG | % | MG/KG | % |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| ALUMINUM | P | 15200 | 15200 | 0 | 15100 | 0.66 | 16700 | |
| ANTIMONY | P | 7.6 UN | 38 U | | 8.1 U | | 19 | 24 |
| ARSENIC | P | 9.1 U | 46 U | | 9.7 U | | 77 | 96 |
| BARIUM | P | 257 | 262 | 1.9 | 247 | 4 | 574 | 99 |
| BERYLLIUM | P | 1.6 | 2.2 | | 1.6 | 0 | 9.5 | 99 |
| CADMIUM | P | 0.52 B | 0.76 U | | 0.61 B | | 7.7 | 90 |
| CALCIUM | P | 12100 | 11500 | 5 | 10500 | 14 | 12600 | |
| CHROMIUM | P | 68 | 73 | 7.4 | 66 | 3 | 100 | 97 |
| COBALT | P | 7.4 B | 6.8 B | | 7 B | | 80 | 91 |
| COPPER | P | 20 | 21 | | 20 | 0 | 57 | 92 |
| IRON | P | 22500 | 22800 | 1.3 | 21800 | 3.2 | 23900 | |
| LEAD | P | 8.7 B | 23 U | | 11 B | | 87 | 98 |
| MAGNESIUM | P | 7090 | 6840 | 3.5 | 6820 | 3.9 | 7340 | |
| MANGANESE | P | 475 E | 420 | 12 | 484 | 1.9 | 565 | 112 |
| NICKEL | P | 26 | 4.6 U | | 28 | 2 | 101 | 94 |
| SELENIUM | P | 7.6 U | 38 U | | 8.1 U | | 73 | 91 |
| SILVER | P | 0.91 U | 4.6 U | | 0.97 U | | 8.5 | 106 |
| SODIUM | P | 320 B | 133 B | | 337 B | | 401 B | |
| VANADIUM | P | 33 | 36 | 9.1 | 34 | 1 | 112 | 99 |
| ZINC | P | 79 | 84 | 6.3 | 82 | 3.7 | 153 | 92 |
| % SOLIDS | | 87.6 | 87.6 | | 87.6 | | 87.6 | |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING CAL FOUND | CONTINUING CAL FOUND | CONTINUING CAL FOUND |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | | | |
| SAMPLE NUMBER | | IN827448A | IN827459A | IN827460A | IN827471A | INCCV1256 | INCCV1321 | INCCV1392 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| ALUMINUM | P | 9650 | 7740 | 7910 | 9950 | 91500 | 1120 | |
| ANTIMONY | P | 7.9 UN | 6.8 UN | 6.9 UN | 7.4 UN | | 984 | |
| ARSENIC | P | 9.4 U | 8.1 U | 8.3 U | 8.9 U | | 1040 | |
| BARIUM | P | 166 | 207 | 185 | 180 | | 984 | |
| BERYLLIUM | P | 1.4 | 1.1 | 1.2 | 1.3 | | 255 | |
| CADMIUM | P | 0.57 B | 0.77 | 0.72 | 0.55 B | | 251 | |
| CALCIUM | P | 29100 | 20100 | 45600 | 29300 | | 26500 | 5110 |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN827448A | IN827459A | IN827460A | IN827471A | INCCV1256 | INCCV1321 | INCCV1392 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| CHROMIUM | P | 36 | 342 | 236 | 64 | | 254 | |
| COBALT | P | 6 B | 6.3 B | 5.2 B | 5.4 B | | 243 | |
| COPPER | P | 20 | 76 | 34 | 17 | | 252 | |
| IRON | P | 18900 | 16900 | 16400 | 17200 | 106000 | 961 | |
| LEAD | P | 7.2 B | 44 | 19 B | 7.4 B | | 2340 | |
| MAGNESIUM | P | 6400 | 4790 | 4630 | 5640 | 49200 | | 4730 B |
| MANGANESE | P | 275 E | 266 E | 253 E | 262 E | 51200 | 248 | |
| NICKEL | P | 26 | 21 | 23 | 20 | | 251 | |
| SELENIUM | P | 7.9 U | 6.8 U | 6.9 U | 7.4 U | | 1010 | |
| SILVER | P | 0.94 U | 0.81 U | 0.83 U | 0.89 U | | 241 | |
| SODIUM | P | 311 B | 279 B | 334 B | 336 B | 100000 | | 4820 B |
| VANADIUM | P | 30 | 28 | 29 | 31 | | 247 | |
| ZINC | P | 79 | 513 | 172 | 57 | | 1440 | |
| % SOLIDS | | 88.8 | 96.7 | 95.5 | 91.2 | | | |

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | TANK | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCB1126 | IN827482A | IN827493A | IN827506A | IN827517A | IN827528A | IN827539A |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 9 | 9 | 9 | 9 | 9 | 9 |
| ALUMINUM | P | 50 U | 5620 | 9460 | 10500 | 9950 | 8550 | 9150 |
| ANTIMONY | P | 50 U | 7.3 UN | 7.1 BN | 7.7 UN | 7.4 UN | 7.5 UN | 7.1 UN |
| ARSENIC | P | 60 U | 8.8 U | 8.1 U | 9.3 U | 8.9 U | 9 U | 8.5 U |
| BARIUM | P | 1 U | 137 | 274 | 186 | 160 | 159 | 203 |
| BERYLLIUM | P | 0.3 U | 1 | 1.2 | 1.3 | 1.4 | 1.3 | 1.2 |
| CADMIUM | P | 1 U | 0.35 B | 1.2 | 0.53 B | 0.54 B | 0.62 B | 0.9 |
| CALCIUM | P | 150 U | 22800 | 33900 | 18600 | 49300 | 34500 | 30100 |
| CHROMIUM | P | 5 U | 20 | 594 | 50 | 50 | 38 | 295 |
| COBALT | P | 2 U | 4.2 B | 7.4 | 5.5 B | 5.3 B | 5.3 B | 7.7 |
| COPPER | P | 10 U | 13 | 80 | 17 | 16 | 17 | 78 |
| IRON | P | 20 U | 11700 | 26300 | 17600 | 16400 | 15400 | 21600 |
| LEAD | P | 30 U | 6.5 B | 21 B | 6.1 B | 5.3 B | 5.6 B | 20 B |
| MAGNESIUM | P | 10 U | 4070 | 5460 | 5800 | 5670 | 5210 | 5880 |
| MANGANESE | P | 5 U | 141 E | 314 E | 254 E | 268 E | 217 E | 356 E |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL BLANK | TANK | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCB1126 | IN827482A | IN827493A | IN827506A | IN827517A | IN827528A | IN827539A |
| MATRIX | | WATER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | 9 | 9 | 9 | 9 | 9 | 9 |
| NICKEL | P | 6 U | 16 | 24 | 21 | 23 | 20 | 25 |
| SELENIUM | P | 50 U | 7.3 U | 6.7 U | 7.7 U | 7.4 U | 7.5 U | 7.1 U |
| SILVER | P | 6 U | 0.88 U | 0.9 B | 0.93 U | 0.89 U | 0.95 B | 0.97 B |
| SODIUM | P | 170 U | 275 B | 367 B | 323 B | 365 B | 342 B | 363 B |
| VANADIUM | P | 4 U | 28 | 35 | 42 | 29 | 29 | 34 |
| ZINC | P | 347 | 38 | 703 | 84 | 60 | 49 | 389 |
| % SOLIDS | | | 95.6 | 97 | 89.2 | 92.6 | 93 | 95.4 |

| AREA | METHOD | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | IN827540A | IN827551A | IN827562A | IN827573A | INCCV1257 | INCCV1322 | INCCV1393 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| ALUMINUM | P | 8940 | 6540 | 8590 | 8870 | 92700 | 1120 | |
| ANTIMONY | P | 7.5 UN | 7 UN | 7.7 UN | 6.9 UN | | 987 | |
| ARSENIC | P | 9 U | 8.4 U | 9.2 U | 8.3 U | | 1050 | |
| BARIUM | P | 180 | 117 | 160 | 232 | | 992 | |
| BERYLLIUM | P | 1.3 | 1.1 | 1.3 | 1.2 | | 259 | |
| CADMIUM | P | 0.6 B | 0.44 B | 0.56 B | 0.87 | | 253 | |
| CALCIUM | P | 36000 | 23900 | 34000 | 26600 | | 26800 | 5090 |
| CHROMIUM | P | 59 | 31 | 42 | 317 | | 258 | |
| COBALT | P | 6.1 B | 3.8 B | 7.4 B | 9.1 | | 246 | |
| COPPER | P | 21 | 17 | 16 | 63 | | 254 | |
| IRON | P | 19400 | 12700 | 16500 | 36800 | 107000 | 979 | |
| LEAD | P | 8.4 B | 4.2 U | 6 B | 17 B | | 2390 | |
| MAGNESIUM | P | 5660 | 6320 | 5090 | 5390 | 49900 | | 4820 B |
| MANGANESE | P | 256 E | 237 E | 231 E | 346 E | 50300 | 251 | |
| NICKEL | P | 24 | 18 | 18 | 32 | | 247 | |
| SELENIUM | P | 7.5 U | 7 U | 7.7 U | 6.9 U | | 1010 | |
| SILVER | P | 0.9 U | 0.84 U | 1.2 B | 0.85 B | | 249 | |
| SODIUM | P | 360 B | 242 B | 345 B | 332 B | 103000 | | 4790 B |
| VANADIUM | P | 29 | 25 | 30 | 34 | | 253 | |
| ZINC | P | 141 | 48 | 48 | 391 | | 1470 | |
| % SOLIDS | | 93.1 | 93.8 | 92.8 | 96 | | | |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | CAL BLANK | TANK | TANK | TANK | CAL FOUND | CAL FOUND | CAL FOUND |
| SAMPLE NUMBER | | INCCB1127 | IN827595A | IN827608A | IN827642A | INCCV1258 | INCCV1323 | INCCV1394 |
| MATRIX | | WATER | SOIL | SOIL | SOIL | WATER | WATER | WATER |
| UNITS | | UG/L | MG/KG | MG/KG | MG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 9 | 9 | 9 | | | |
| ALUMINUM | P | 50 U | 9850 | 6420 | 7190 | 92300 | 1130 | |
| ANTIMONY | P | 50 U | 7.4 UN | 7.4 UN | 7.3 UN | | 995 | |
| ARSENIC | P | 60 U | 8.9 U | 8.8 U | 8.7 U | | 1040 | |
| BARIUM | P | 1 U | 157 | 132 | 113 | | 990 | |
| BERYLLIUM | P | 0.3 U | 1.3 | 1.1 | 1 | | 257 | |
| CADMIUM | P | 1 U | 0.53 B | 0.81 | 0.45 B | | 251 | |
| CALCIUM | P | 150 U | 24900 | 27300 | 18700 | | 26500 | 5120 |
| CHROMIUM | P | 5 U | 47 | 31 | 40 | | 254 | |
| COBALT | P | 2 U | 5 B | 5.2 B | 4.5 B | | 244 | |
| COPPER | P | 10 U | 15 | 21 | 13 | | 254 | |
| IRON | P | 20 U | 16200 | 14300 | 12100 | 106000 | 966 | |
| LEAD | P | 30 U | 8 B | 6.3 B | 5.7 B | | 2350 | |
| MAGNESIUM | P | 10 U | 6330 | 4760 | 5160 | 49600 | | 4720 B |
| MANGANESE | P | 5 U | 257 E | 197 E | 195 E | 51400 | 250 | |
| NICKEL | P | 6 U | 18 | 21 | 18 | | 251 | |
| SELENIUM | P | 50 U | 7.4 U | 7.4 U | 7.3 U | | 1020 | |
| SILVER | P | 6 U | 0.89 U | 1.3 B | 0.87 U | | 244 | |
| SODIUM | P | 170 U | 322 B | 389 B | 226 B | 101000 | | 4840 B |
| VANADIUM | P | 4 U | 30 | 29 | 24 | | 248 | |
| ZINC | P | 8 U | 54 | 42 | 42 | | 1450 | |
| % SOLIDS | | | 93 | 95.2 | 93.6 | | | |

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1128 | INLRA2177 | INICS1762 | INICS1780 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| ALUMINUM | P | 50 U | | 509000 | 505000 |
| ANTIMONY | P | 50 U | 116 | 125 | 50 U |
| ARSENIC | P | 60 U | 514 | 60 U | 60 U |
| BARIUM | P | 1 U | | 9.7 B | 434 |
| BERYLLIUM | P | 0.3 U | 9.6 | 3.9 B | 438 |
| CADMIUM | P | 1 U | 10 | 4.9 B | 820 |
| CALCIUM | P | 150 U | | 495000 | 493000 |

TABLE D.2.81 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313A

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CRDL STAND | INTER CHK | INTER CHK |
| TYPE OF LOCATION | | CAL BLANK | FINAL | SOL. A FINAL | SOL. AB FINA |
| SAMPLE NUMBER | | INCCB1128 | INLRA2177 | INICS1762 | INICS1780 |
| MATRIX | | WATER | WATER | WATER | WATER |
| UNITS | | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | |
| CHROMIUM | P | 5 U | 19 | 17 | 429 |
| COBALT | P | 2 U | 96 | 4.1 B | 394 |
| COPPER | P | 10 U | 51 | 10 U | 470 |
| IRON | P | 20 U | | 219000 | 218000 |
| LEAD | P | 30 U | 481 | 30 U | 3940 |
| MAGNESIUM | P | 10 U | | 510000 | 504000 |
| MANGANESE | P | 5 U | 30 | 7.3 B | 433 |
| NICKEL | P | 6 U | 82 | 7.6 B | 802 |
| SELENIUM | P | 50 U | 467 | 50 U | 50 U |
| SILVER | P | 6 U | 36 | 6.4 B | 877 |
| SODIUM | P | 170 U | | 1290 B | 1220 B |
| VANADIUM | P | 4 U | 93 | 4 U | 397 |
| ZINC | P | 8 U | 39 | 8 U | 839 |
| % SOLIDS | | | | | |

TABLE D.2.82 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313K

DRAFT DO NOT CITE

| AREA | METHOD | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | INITIAL CAL | LAB CONTROL | LINEAR RANGE | INITIAL CAL | INITIAL CAL | PREP | PREP |
| TYPE OF LOCATION | | TRUE A | SAMPLE TRUE | | FOUND A | BLANK | BLANK | BLANK |
| SAMPLE NUMBER | | INICV1924 | INLCS2159 | INRAN2321 | INICV1888 | INICB1744 | INPB02284 | INPB02285 |
| MATRIX | | WATER | SOIL | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | UG/L | MG/KG | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | | |
| POTASSIUM | FE | 1000 B | 50 | 8000 | 1000 B | 100 U | 0.1 U | 0.1 U |
| % SOLIDS | | | | | | | | |

| AREA | METHOD | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | LAB CONTROL | CONTINUING | CONTINUING | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | SAMPLE | CAL FOUND | CAL BLANK | CAL FOUND | CAL BLANK | TANK | TANK |
| SAMPLE NUMBER | | INLCS2122 | INCCV1259 | INCCB1129 | INCCV1260 | INCCB1130 | IN827313A | IN827335A |
| MATRIX | | SOIL | WATER | WATER | WATER | WATER | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | UG/L | UG/L | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | | | | 9 | 9 |
| POTASSIUM | FE | 360 | 980 B | 100 U | 980 B | 100 U | 1100 | 1600 |
| % SOLIDS | | | | | | | 96.6 | 95 |

| AREA | METHOD | | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | DUPLICATE |
| TYPE OF LOCATION | | TANK | CAL FOUND | CAL BLANK | TANK | TANK | TANK | |
| SAMPLE NUMBER | | IN827357A | INCCV1261 | INCCB1131 | IN827415A | IN827426A | IN827437A | IN827437A |
| MATRIX | | SOIL | WATER | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | | MG/KG | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | | | 9 | 9 | 9 | 9 |
| POTASSIUM | FE | 770 | 1000 B | 100 U | 2300 | 2100 | 3100 | 3200 |
| % SOLIDS | | 98.6 | | | 97.6 | 94.1 | 87.6 | 87.6 |

TABLE D.2.82 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313K DRAFT DO NOT CITE

| AREA | METHOD | QA | | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | RPD | TANK | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | IN827437A | IN827448A | IN827459A | IN827460A | IN827471A | IN827482A | IN827493A |
| MATRIX | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | % | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| POTASSIUM | FE | 100 | 1600 | 1500 | 1500 | 2000 | 1000 | 1800 |
| % SOLIDS | | | 88.8 | 96.7 | 95.5 | 91.2 | 95.6 | 97 |

| AREA | METHOD | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | CONTINUING | CONTINUING | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | | CAL FOUND | CAL BLANK | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | | INCCV1262 | INCCB1132 | IN827506A | IN827517A | IN827528A | IN827539A | IN827540A |
| MATRIX | | WATER | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | | UG/L | UG/L | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG |
| ENV PROBLEM NO | | | | 9 | 9 | 9 | 9 | 9 |
| POTASSIUM | FE | 980 B | 100 U | 2300 | 2000 | 1700 | 1600 | 1800 |
| % SOLIDS | | | | 89.2 | 92.6 | 93 | 95.4 | 93.1 |

| AREA | METHOD | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | TANK | TANK | TANK | TANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN827551A | IN827562A | IN827573A | IN827595A | IN827608A | INCCV1263 | INCCB1133 |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | | MG/KG | MG/KG | MG/KG | MG/KG | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | | |
| POTASSIUM | FE | 1100 | 1500 | 1600 | 2000 | 1100 | 980 B | 100 U |
| % SOLIDS | | 93.8 | 92.8 | 96 | 93 | 95.2 | | |

TABLE D.2.82 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827313K

DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA |
|---|---|---|---|---|
| LOCATION | | PM-2A TANK | CONTINUING | CONTINUING |
| TYPE OF LOCATION | | TANK | CAL FOUND | CAL BLANK |
| SAMPLE NUMBER | | IN827642A | INCCV1264 | INCCB1134 |
| MATRIX | | SOIL | WATER | WATER |
| UNITS | | MG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | 9 | | |
| POTASSIUM | FE | 1200 | 1000 B | 100 U |
| % SOLIDS | | 93.6 | | |

TABLE D.2.83 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827415B DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK |
| TYPE OF LOCATION | | TANK | | | TANK | | | TANK |
| SAMPLE NUMBER | | IN827415B | IN827415B | IN827415B | IN827426B | IN827426B | IN827426B | IN827459B |
| MATRIX | | SOIL | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 1.3 N | 16 | 0.5 UN | 1.9 N | 28 | 0.5 UN |
| % SOLIDS | | 98.4 | | | 93.8 | | | 96 |

| AREA | METHOD | QA | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | | | | | TANK | | |
| SAMPLE NUMBER | | IN827459B | IN827459B | IN827459B | IN827459B | IN827460B | IN827460B | IN827460B |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL | |
| UNITS | | MG/KG | % | MG/KG | % | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 U | 0 | 0.9 N | 8 | 0.5 UN | 0.5 UN | 0 |
| % SOLIDS | | | | | | 94.7 | | |

| AREA | METHOD | | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK |
| TYPE OF LOCATION | | TANK | | | TANK | | | TANK |
| SAMPLE NUMBER | | IN827493B | IN827493B | IN827493B | IN827506B | IN827506B | IN827506B | IN827539B |
| MATRIX | | SOIL | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 0.67 N | 3.4 | 0.5 UN | 0.5 UN | 0 | 0.5 UN |
| % SOLIDS | | 97.1 | | | 90.1 | | | 95.1 |

TABLE D.2.83 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827415B

| AREA | METHOD | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK TANK | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | IN827539B | IN827539B | IN827540B | IN827540B | IN827540B | IN827540B | IN827540B |
| SAMPLE NUMBER | | SOIL | | SOIL | SOIL | | SOIL | |
| MATRIX | | MG/KG | % | MG/KG | MG/KG | % | MG/KG | % |
| UNITS | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| ENV PROBLEM NO | | | | | | | | |
| CR6+ | | 0.5 UN | 0 | 0.5 UN | 0.5 U | 0 | 0.5 UN | 0 |
| % SOLIDS | | | | 92.5 | | | | |

| AREA | METHOD | | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK TANK | MATRIX SPIKE | MS % RECOVERY | PREP BLANK | | | |
| TYPE OF LOCATION | | IN827573B | IN827573B | IN827573B | IN03A0003 | | | |
| SAMPLE NUMBER | | SOIL | SOIL | | SOIL | | | |
| MATRIX | | MG/KG | MG/KG | % | MG/KG | | | |
| UNITS | | 9 | 9 | 9 | | | | |
| ENV PROBLEM NO | | | | | | | | |
| CR6+ | | 0.5 UN | 0.57 N | 1.4 | 0.5 U | | | |
| % SOLIDS | | 96.7 | | | | | | |

TABLE D.2.84 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827437B DRAFT DO NOT CITE

| AREA | METHOD | | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK | MATRIX | MS % | PM-2A TANK | MATRIX | MS % | PM-2A TANK |
| TYPE OF LOCATION | | TANK | SPIKE | RECOVERY | TANK | SPIKE | RECOVERY | TANK |
| SAMPLE NUMBER | | IN827437B | IN827437B | IN827437B | IN827448B | IN827448B | IN827448B | IN827471B |
| MATRIX | | SOIL | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 U | 3.8 | 76 | 0.5 UN | 2.8 N | 46 | 0.5 UN |
| % SOLIDS | | 89.1 | | | 91.3 | | | 91.3 |

| AREA | METHOD | QA | QA | | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MATRIX | MS % | PM-2A TANK | MATRIX | MS % | PM-2A TANK | DUPLICATE |
| TYPE OF LOCATION | | SPIKE | RECOVERY | TANK | SPIKE | RECOVERY | TANK | |
| SAMPLE NUMBER | | IN827471B | IN827471B | IN827482B | IN827482B | IN827482B | IN827517B | IN827517B |
| MATRIX | | SOIL | | SOIL | SOIL | | SOIL | SOIL |
| UNITS | | MG/KG | % | MG/KG | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 2 N | 30 | 0.5 UN | 0.5 UN | 0 | 0.5 UN | 0.5 U |
| % SOLIDS | | | | 94.5 | | | 92.2 | |

| AREA | METHOD | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | MATRIX | MS % | PM-2A TANK | MATRIX | MS % | PM-2A TANK |
| TYPE OF LOCATION | | RPD | SPIKE | RECOVERY | TANK | SPIKE | RECOVERY | TANK |
| SAMPLE NUMBER | | IN827517B | IN827517B | IN827517B | IN827528B | IN827528B | IN827528B | IN827551B |
| MATRIX | | | SOIL | | SOIL | SOIL | | SOIL |
| UNITS | | % | MG/KG | % | MG/KG | MG/KG | % | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0 | 0.5 UN | 0 | 0.5 UN | 0.5 UN | 0 | 0.5 UN |
| % SOLIDS | | | | | 93.5 | | | 92.9 |

TABLE D.2.84 INEL METALS, INCLUDING CR+6 - SDG NUMBER: IN827437B

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| AREA | METHOD | QA | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK TANK | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN827551B | IN827551B | IN827551B | IN827551B | IN827562B | IN827562B | IN827562B |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL | |
| UNITS | | MG/KG | % | MG/KG | % | MG/KG | MG/KG | % |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 U | 0 | 0.5 UN | 0 | 0.5 UN | 0.5 UN | 0 |
| % SOLIDS | | | | | | 93.8 | | |

| AREA | METHOD | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | PM-2A TANK TANK | DUPLICATE | DUPLICATE RPD | MATRIX SPIKE | MS % RECOVERY | PM-2A TANK TANK | MATRIX SPIKE |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN827595B | IN827595B | IN827595B | IN827595B | IN827595B | IN827608B | IN827608B |
| MATRIX | | SOIL | SOIL | | SOIL | | SOIL | SOIL |
| UNITS | | MG/KG | MG/KG | % | MG/KG | % | MG/KG | MG/KG |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| CR6+ | | 0.5 UN | 0.5 U | 0 | 0.5 UN | 0 | 0.5 UN | 0.5 UN |
| % SOLIDS | | 91.2 | | | | | 94.8 | |

| AREA | METHOD | QA | | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|---|
| LOCATION | | MS % RECOVERY | PM-2A TANK TANK | MATRIX SPIKE | MS % RECOVERY | PREP BLANK | | |
| TYPE OF LOCATION | | | | | | | | |
| SAMPLE NUMBER | | IN827608B | IN827642B | IN827642B | IN827642B | IN03A0004 | | |
| MATRIX | | | SOIL | SOIL | | SOIL | | |
| UNITS | | % | MG/KG | MG/KG | % | MG/KG | | |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | | | |
| CR6+ | | 0 | 0.5 UN | 0.5 UN | 0 | 0.5 U | | |
| % SOLIDS | | | 93.2 | | | | | |

## Table D.2.85. INEL Metals QC Data Interelement Correction Factors

SDGs using these Interelement Correction Factors: IN301012D, IN301045D, IN401013I, IN401013K, IN402014I, IN402014K, IN404016I, IN404016K, IN406018I, IN406018K, IN409011I, IN409011K, IN411015I, IN411015K, IN505018C, IN505018K, IN511016I, IN514019D, IN801017D

| ANALYTE | INTERELEMENT CORRECTION FACTORS FOR: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AL | CA | FE | MG | BA | CD | CO | CR | CU | MN | NI | TI | P |
| Aluminum | | | | | | | | | | | | | |
| Antimony | | | | | | | | 1.620E-2 | | | | | |
| Arsenic | | | | | | | | | | | | | |
| Barium | | | 1.565E-5 | | | | | | | | | | |
| Beryllium | | | | 4.640E-6 | | | | | | | | | |
| Cadmium | 7.714E-6 | | 1.148E-4 | | | | | | | | | | |
| Calcium | 1.987E-5 | | | 3.400E-4 | | | | | | | | | |
| Chromium | | | 9.083E-5 | | | | | | | | | | |
| Cobalt | | | | | 6.600E-4 | 2.720E-4 | | | | | 4.880E-4 | | |
| Copper | | 4.414E-6 | 1.612E-5 | | | | | | | 1.644E-5 | | | |
| Iron | 2.174E-4 | | | | 1.832E-3 | | | | | | | | |
| Lead | | | | | | | | | | | | | |
| Magnesium | | | 1.576E-3 | | | | | | | | | | |
| Manganese | 2.381E-5 | | 1.810E-5 | 2.599E-5 | | | | | | | | | |
| Mercury | | | | | | | | | | | | | |
| Nickel | | | | | 3.030E-4 | | 3.570E-3 | | | 5.750E-5 | | | |
| Potassium | | | | | | | | | | | | | |
| Selenium | | | | | | | | | | | | | |
| Silver | | | | | | | | | 1.458E-3 | | | | |
| Sodium | | | | | | | | | | | | | |
| Thallium | | | | | | | | | | | | | |
| Vanadium | 3.242E-5 | 4.986E-6 | | | | | | 2.237E-4 | | 4.258E-5 | | | |
| Zinc | | | 8.823E-5 | | | | | | | | 3.874E-3 | | |

## Table D.2.85. INEL Metals QC Data Interelement Correction Factors (continued)

SDGs using these Interelement Correction Factors: IN301012K, IN502015D, IN502015K, IN502060C, IN503016D, IN503016K, IN503050G, IN503050K, IN514019K, IN801017K, IN806012C, IN806012K, IN815013H, IN815013K, IN816116H, IN816116K, IN827313A, IN827313K

| | INTERELEMENT CORRECTION FACTORS FOR: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANALYTE | AL | CA | FE | MG | BA | CD | CO | CR | CU | MN | NI | TI | P |
| Aluminum | | | | | | | | | | | | | |
| Antimony | | | | | | | | 1.620E-2 | | | | | |
| Arsenic | | | | | | | | | | | | | |
| Barium | | | 1.206E-5 | | | | | | | | | | |
| Beryllium | | | | | | | | | | | | | |
| Cadmium | 7.714E-6 | | 1.148E-4 | | | | | | | | | | |
| Calcium | 9.362E-4 | | | | | | | | | | | | |
| Chromium | | | 9.083E-5 | 1.721E-5 | | | | | | | | | |
| Cobalt | | | | | 6.600E-4 | 2.720E-4 | | | | | 4.880E-4 | | |
| Copper | | 4.414E-6 | 6.357E-5 | | | | | | | 1.644E-5 | | | |
| Iron | | | | | 1.832E-3 | | | | | | | | |
| Lead | | | | | | | | | | | | | |
| Magnesium | | | 1.157E-5 | | | | | | | | | | |
| Manganese | 7.711E-6 | | 6.939E-5 | 4.573E-5 | | | | | | | | | |
| Mercury | | | | | | | | | | | | | |
| Nickel | | | | | 3.030E-4 | | 3.570E-3 | | | 5.750E-5 | | | |
| Potassium | | | | | | | | | | | | | |
| Selenium | | | | | | | | | | | | | |
| Silver | | | | | | | | | 1.458E-3 | | | | |
| Sodium | | | | | | | | | | | | | |
| Thallium | | | | | | | | | | | | | |
| Vanadium | | 4.986E-6 | 8.600E-5 | 3.146E-5 | | | | 2.237E-4 | | 4.258E-5 | | | |
| Zinc | | | 5.216E-5 | | | | | | | | 3.874E-3 | | |

## Table D.2.86. INEL Metals QC Data — Linear Range

SDGs: IN301012D, IN301045D, IN401013I, IN401013K, IN402014I, IN402014K, IN404016I, IN404016K, IN406018I, IN406018K, IN409011I, IN409011K, IN411015I, IN411015K, IN505018C, IN505018K, IN511016I, IN514019D, IN801017D

| ANALYTE | CONCENTRATION µG/L |
|---|---|
| Aluminum | 10,000 |
| Antimony | 10,000 |
| Arsenic | |
| Barium | 5,000 |
| Beryllium | 1,500 |
| Cadmium | 5,000 |
| Calcium | 20,000 |
| Chromium | 10,000 |
| Cobalt | 10,000 |
| Copper | 10,000 |
| Iron | 12,000 |
| Lead | |
| Magnesium | 12,000 |
| Manganese | 2,000 |
| Mercury | |
| Nickel | 15,000 |
| Potassium | 8,000 |
| Selenium | |
| Silver | 10,000 |
| Sodium | |
| Thallium | |
| Vanadium | 10,000 |
| Zinc | 6,000 |

**Table D.2.86. INEL Metals QC Data — Linear Range (continued)**

SDGs: IN301012D, IN301045D, IN401013I, IN401013K, IN402014I, IN402014K, IN404016I, IN404016K, IN406018I, IN406018K, IN409011I, IN409011K, IN411015I, IN411015K, IN505018C, IN505018K, IN511016I, IN514019D, IN801017D

| ANALYTE | CONCENTRATION µG/L |
|---|---|
| Aluminum | 800,000 |
| Antimony | |
| Arsenic | |
| Barium | |
| Beryllium | |
| Cadmium | |
| Calcium | 800,000 |
| Chromium | |
| Cobalt | |
| Copper | |
| Iron | 1,000,000 |
| Lead | |
| Magnesium | 500,000 |
| Manganese | 200,000 |
| Mercury | |
| Nickel | |
| Potassium | |
| Selenium | |
| Silver | |
| Sodium | |
| Thallium | |
| Vanadium | |
| Zinc | |

**Table D.2.86. INEL Metals QC Data — Linear Range (continued)**

SDGs: IN301012K, IN502015D, IN502015K, IN502060C, IN503016D, IN503016K, IN503050G, IN503050K, IN514019K, IN801017K, IN806012C, IN806012K, IN815013H, IN815013K, IN816116H, IN816116K, IN827313A, IN827313K

| ANALYTE | CONCENTRATION µG/L |
|---|---|
| Aluminum | 10,000 |
| Antimony | 11,000 |
| Arsenic | |
| Barium | 5,000 |
| Beryllium | 1,500 |
| Cadmium | 4,000 |
| Calcium | 20,000 |
| Chromium | 10,000 |
| Cobalt | 10,000 |
| Copper | 10,000 |
| Iron | 12,000 |
| Lead | |
| Magnesium | 11,000 |
| Manganese | 2,000 |
| Mercury | |
| Nickel | 15,000 |
| Potassium | |
| Selenium | |
| Silver | |
| Sodium | |
| Thallium | |
| Vanadium | 10,000 |
| Zinc | 6,000 |

**Table D.2.86. INEL Metals QC Data — Linear Range (continued)**

SDGs: IN301012K, IN502015D, IN502015K, IN502060C, IN503016D, IN503016K, IN503050G, IN503050K, IN514019K, IN801017K, IN806012C, IN806012K, IN815013H, IN815013K, IN816116H, IN816116K, IN827313A, IN827313K

| ANALYTE | CONCENTRATION µG/L |
|---|---|
| Aluminum | 800,000 |
| Antimony | |
| Arsenic | |
| Barium | |
| Beryllium | |
| Cadmium | |
| Calcium | 650,000 |
| Chromium | |
| Cobalt | |
| Copper | |
| Iron | 600,000 |
| Lead | |
| Magnesium | 450,000 |
| Manganese | 200,000 |
| Mercury | |
| Nickel | |
| Potassium | |
| Selenium | |
| Silver | |
| Sodium | |
| Thallium | |
| Vanadium | |
| Zinc | |

TABLE D.3.1 DIRECTORY FOR SOIL GAS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 5 | IN803064A | IN803064A | D.3.2 (D-327) |
| 5 | IN803075A | IN803064A | D.3.2 (D-327) |
| 5 | IN803086A | IN803064A | D.3.2 (D-327) |
| 5 | IN803097A | IN803064A | D.3.2 (D-328) |
| 5 | IN803100A | IN803064A | D.3.2 (D-328) |
| 5 | IN803111A | IN803064A | D.3.2 (D-328) |
| 5 | IN803122A | IN803064A | D.3.2 (D-328) |
| 9 | IN825015A | IN803064A | D.3.2 (D-325) |
| 9 | IN825026A | IN803064A | D.3.2 (D-325) |
| 9 | IN826016A | IN803064A | D.3.2 (D-325) |
| 9 | IN826027B | IN803064A | D.3.2 (D-325) |
| 9 | IN826038B | IN803064A | D.3.2 (D-325) |
| 9 | IN826049A | IN803064A | D.3.2 (D-325) |

TABLE D.3.2 INEL SOIL GAS - SDG NUMBER: IN803064A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D |
| SAMPLE NUMBER | IN0912885 | IN0912886 | IN0912886 | IN0914885 | IN1006885 | IN1006887 | IN1006887 |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | % | UG/M3 | UG/M3 | UG/M3 | % |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.164 | 12.7 | | | 0.151 | 8 |
| BENZENE | | 0.674 | 3.3 | | | 0.665 | 1.3 |
| BROMODICHLOROMETHANE | | 0.99 | 5.9 | | | 1.019 | 2.9 |
| BROMOFORM | | 0.752 | 8.1 | | | 0.681 | 9.4 |
| BROMOMETHANE | | 1.342 | 9.5 | | | 1.53 | 14 |
| CARBON DISULFIDE | | 2.234 | 5.9 | | | 2.068 | 7.5 |
| CARBON TETRACHLORIDE | | 1.082 | 6.2 | | | 1.209 | 11.8 |
| CHLOROBENZENE | | 1.023 | 4.9 | | | 0.997 | 2.5 |
| CHLOROETHANE | | 0.463 | 11.7 | | | 0.488 | 5.5 |
| CHLOROFORM | | 3.401 | 8.7 | | | 3.545 | 4.2 |
| CHLOROMETHANE | | 0.543 | 10.7 | | | 0.561 | 3.4 |
| CIS-1,3-DICHLOROPROPENE | | 0.653 | 3.1 | | | 0.603 | 7.6 |
| DIBROMOCHLOROMETHANE | | 0.957 | 3.3 | | | 0.934 | 2.4 |
| ETHYLBENZENE | | 0.446 | 4 | | | 0.438 | 1.9 |
| METHYLENE CHLORIDE | | 1.03 | 6.9 | | | 1.021 | 0.8 |
| STYRENE | | 0.923 | 3.3 | | | 0.88 | 4.7 |
| TETRACHLOROETHENE | | 0.609 | 5.7 | | | 0.636 | 4.5 |
| TOLUENE | | 0.648 | 4.9 | | | 0.633 | 2.3 |
| TOLUENE-D8 | | 1.098 | 2.8 | | | 1.127 | 2.7 |
| TRANS-1,3-DICHLOROPROPENE | | 0.408 | 6.8 | | | 0.367 | 9.9 |
| TRICHLOROETHENE | | 0.498 | 3.2 | | | 0.483 | 3 |
| VINYL ACETATE | | 0.269 | 31.1 | | | 0.22 | 18.4 |
| VINYL CHLORIDE | | 0.68 | 11.5 | | | 0.687 | 1.1 |
| XYLENE (TOTAL) | | 0.537 | 2.4 | | | 0.521 | 3 |
| 1,1-DICHLOROETHANE | | 2.046 | 8.5 | | | 2.032 | 0.7 |
| 1,1-DICHLOROETHENE | | 0.912 | 18.8 | | | 1.021 | 11.9 |
| 1,1,1-TRICHLOROETHANE | | 0.916 | 8 | | | 1.005 | 9.7 |
| 1,1,2-TRICHLOROETHANE | | 0.34 | 7.2 | | | 0.306 | 9.8 |
| 1,1,2,2-TETRACHLOROETHANE | | 0.616 | 6 | | | 0.559 | 9.1 |
| 1,2-DICHLOROETHANE | | 2.345 | 9.5 | | | 2.386 | 1.7 |
| 1,2-DICHLOROETHANE-D4 | | 2.136 | 6.7 | | | 2.116 | 0.9 |
| 1,2-DICHLOROETHENE | | 1.187 | 6.6 | | | 1.126 | 5.2 |
| 1,2-DICHLOROPROPANE | | 0.303 | 6.5 | | | 0.306 | 1 |
| 1,4-BROMOFLUOROBENZENE | | 1.039 | 3.9 | | | 1.082 | 4.1 |
| 2-BUTANONE | | 0.016 | 38.6 | | | 0.01 | 39.1 |
| 2-HEXANONE | | 0.197 | 16.2 | | | 0.172 | 12.5 |
| 4-METHYL-2-PENTANONE | | 0.259 | 12.5 | | | 0.225 | 13.1 |
| M/E 50 | 19 | | | 19 | 20 | | |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D |
| SAMPLE NUMBER | IN0912885 | IN0912886 | IN0912886 | IN0914885 | IN1006885 | IN1006887 | IN1006887 |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | % | UG/M3 | UG/M3 | UG/M3 | % |
| ENV PROBLEM NO | | | | | | | |
| M/E 75 | 53 | | | 57 | 58 | | |
| M/E 95 | 100 | | | 100 | 100 | | |
| M/E 96 | 6.6 | | | 6.3 | 6.8 | | |
| M/E 173-1 | 0 | | | 0 | 0 | | |
| M/E 173-2 | 0 | | | 0 | 0 | | |
| M/E 174 | 81 | | | 88 | 97 | | |
| M/E 175-1 | 5.9 | | | 7 | 7 | | |
| M/E 175-2 | 7.3 | | | 8 | 7.3 | | |
| M/E 176-1 | 79 | | | 88 | 94 | | |
| M/E 176-2 | 98 | | | 101 | 97 | | |
| M/E 177-1 | 5.4 | | | 6 | 6.5 | | |
| M/E 177-2 | 6.8 | | | 6.8 | 6.9 | | |

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK | PM-2A TANK |
| TYPE OF LOCATION | BLANK | TANK | TANK | TANK | TANK | TANK | TANK |
| SAMPLE NUMBER | VBK10068 | IN826027B | IN826016A | IN826038B | IN826049A | IN825015A | IN825026A |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 |
| ENV PROBLEM NO | | 9 | 9 | 9 | 9 | 9 | 9 |
| ACETONE | 50 U | 15000 | 50 U | 50 U | 5400 | 1400 | 4000 |
| BENZENE | 25 U | 33 | 25 U | 25 U | 46 | 24 U | 24 J |
| BROMODICHLOROMETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| BROMOFORM | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| BROMOMETHANE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| CARBON DISULFIDE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| CARBON TETRACHLORIDE | 25 U | 25 U | 25 U | 25 U | 13 J | 25 U | 10 J |
| CHLOROBENZENE | 25 U | 25 U | 25 U | 25 U | 11 J | 25 U | 25 J |
| CHLOROETHANE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| CHLOROFORM | 25 U | 200 | 25 U | 25 U | 11 J | 14 J | 8 J |
| CHLOROMETHANE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| CIS-1,3-DICHLOROPROPENE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| DIBROMOCHLOROMETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| ETHYLBENZENE | 25 U | 16 J | 25 U | 25 U | 140 | 25 U | 36 |
| METHYLENE CHLORIDE | 85 | 7100 B | 25 U | 25 U | 1800 B | 380 B | 840 B |

TABLE D.3.2 INEL SOIL GAS - SDG NUMBER: IN803064A

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| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK | PM-2A TANK TANK |
| TYPE OF LOCATION | VBK10068 | IN826027B | IN826016A | IN826038B | IN826049A | IN825015A | IN825026A |
| SAMPLE NUMBER | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| MATRIX | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 | UG/M3 |
| UNITS | | 9 | 9 | 9 | 9 | 9 | 9 |
| ENV PROBLEM NO | | | | | | | |
| STYRENE | 25 U | 25 U | 25 U | 25 U | 31 | 25 U | 25 U |
| TETRACHLOROETHENE | 25 U | 62 | 81 | 25 U | 17 J | 25 U | 17 J |
| TOLUENE | 25 U | 1500 | 25 U | 25 U | 1100 | 84 | 460 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| TRICHLOROETHENE | 25 U | 5 J | 25 U | 25 U | 6 J | 25 U | 25 U |
| VINYL ACETATE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| VINYL CHLORIDE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| XYLENE (TOTAL) | 25 U | 37 | 25 U | 25 U | 150 | 25 U | 5 J |
| 1,1-DICHLOROETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,1-DICHLOROETHENE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,1,1-TRICHLOROETHANE | 25 U | 38 | 25 U | 25 U | 39 | 25 U | 23 J |
| 1,1,2-TRICHLOROETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,1,2,2-TETRACHLOROETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROPROPANE | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 50 U | 560 | 50 U | 50 U | 470 | 50 U | 330 |
| 2-HEXANONE | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 4-METHYL-2-PENTANONE | 50 U | 83 | 50 U | 50 U | 590 | 50 U | 240 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

| AREA | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | TUNED | CONTINUING | CONTINUING | METHOD | OMRE |
| TYPE OF LOCATION | LEACH POND | LEACH POND | CALIBRATION | CALIBRATION | CAL %D | BLANK | LEACH POND |
| SAMPLE NUMBER | IN803064A | IN803075A | IN1011885 | IN1011887 | IN1011887 | VBK10118 | IN803086A |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | UG/M3 | UG/M3 | % | UG/M3 | UG/M3 |
| ENV PROBLEM NO | 5 | 5 | | | | | 5 |
| ACETONE | 1600 | 4900 | | 0.194 | 18.6 | 50 U | 50 U |
| BENZENE | 13 J | 21 J | | 0.796 | 18 | 25 U | 49 |
| BROMODICHLOROMETHANE | 25 U | 25 U | | 0.95 | 4 | 25 U | 25 U |
| BROMOFORM | 25 U | 25 U | | 0.653 | 13.1 | 25 U | 25 U |
| BROMOMETHANE | 50 U | 50 U | | 1.119 | 16.6 | 50 U | 50 U |
| CARBON DISULFIDE | 25 U | 25 U | | 2.221 | 0.6 | 25 U | 25 U |
| CARBON TETRACHLORIDE | 25 U | 6 J | | 0.826 | 23.6 | 25 U | 25 U |
| CHLOROBENZENE | 25 U | 25 U | | 1.022 | 0.1 | 25 U | 8 J |
| CHLOROETHANE | 50 U | 50 U | | 0.521 | 12.5 | 50 U | 50 U |
| CHLOROFORM | 22 J | 66 | | 3.29 | 3.3 | 25 U | 25 U |
| CHLOROMETHANE | 50 U | 50 U | | 0.656 | 20.9 | 50 U | 50 U |
| CIS-1,3-DICHLOROPROPENE | 25 U | 25 U | | 0.699 | 7.1 | 25 U | 25 U |
| DIBROMOCHLOROMETHANE | 25 U | 25 U | | 0.89 | 7 | 25 U | 25 U |
| ETHYLBENZENE | 25 U | 8 J | | 0.466 | 4.5 | 25 U | 25 U |
| METHYLENE CHLORIDE | 2400 B | 4000 B | | 1.03 | 0 | 810 | 25 U |
| STYRENE | 25 U | 25 U | | 0.96 | 4 | 25 U | 25 U |
| TETRACHLOROETHENE | 7 J | 21 | | 0.585 | 3.8 | 25 U | 40 |
| TOLUENE | 180 | 750 | | 0.696 | 7.4 | 25 U | 980 |
| TOLUENE-D8 | | | | 1.106 | 0.8 | | |
| TRANS-1,3-DICHLOROPROPENE | 25 U | 25 U | | 0.431 | 5.7 | 25 U | 25 U |
| TRICHLOROETHENE | 25 U | 25 U | | 0.464 | 6.7 | 25 U | 25 U |
| VINYL ACETATE | 50 U | 50 U | | 0.366 | 36.1 | 50 U | 50 U |
| VINYL CHLORIDE | 50 U | 50 U | | 0.726 | 6.8 | 50 U | 50 U |
| XYLENE (TOTAL) | 25 U | 5 J | | 0.566 | 5.6 | 25 U | 25 U |
| 1,1-DICHLOROETHANE | 25 U | 25 U | | 2.323 | 13.5 | 25 U | 25 U |
| 1,1-DICHLOROETHENE | 25 U | 25 U | | 1.118 | 22.6 | 25 U | 25 U |
| 1,1,1-TRICHLOROETHANE | 12 J | 22 J | | 0.75 | 18.1 | 25 U | 25 U |
| 1,1,2-TRICHLOROETHANE | 25 U | 25 U | | 0.348 | 2.4 | 25 U | 25 U |
| 1,1,2,2-TETRACHLOROETHANE | 25 U | 25 U | | 0.733 | 19 | 25 U | 25 U |
| 1,2-DICHLOROETHANE | 25 U | 25 U | | 2.134 | 9 | 25 U | 25 U |
| 1,2-DICHLOROETHANE-D4 | | | | 1.75 | 18.1 | | |
| 1,2-DICHLOROETHENE | 25 U | 25 U | | 1.301 | 9.6 | 25 U | 25 U |
| 1,2-DICHLOROPROPANE | 25 U | 25 U | | 0.375 | 23.8 | 25 U | 25 U |
| 1,4-BROMOFLUOROBENZENE | | | | 0.944 | 9.2 | | |
| 2-BUTANONE | 100 | 180 | | 0.017 | 8.4 | 50 U | 50 U |
| 2-HEXANONE | 50 U | 50 U | | 0.191 | 3 | 50 U | 50 U |
| 4-METHYL-2-PENTANONE | 50 U | 86 | | 0.308 | 19.1 | 50 U | 50 U |

TABLE D.3.2 INEL SOIL GAS - SDG NUMBER: IN803064A

DRAFT DO NOT CITE

| AREA | | | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | TUNED | CONTINUING | CONTINUING | METHOD | OMRE |
| TYPE OF LOCATION | LEACH POND | LEACH POND | CALIBRATION | CALIBRATION | CAL %D | BLANK | LEACH POND |
| SAMPLE NUMBER | IN803064A | IN803075A | IN1011885 | IN1011887 | IN1011887 | VBK10118 | IN803086A |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | UG/M3 | UG/M3 | % | UG/M3 | UG/M3 |
| ENV PROBLEM NO | 5 | 5 | | | | | 5 |
| M/E 75 | | | 57 | | | | |
| M/E 95 | | | 100 | | | | |
| M/E 96 | | | 6.4 | | | | |
| M/E 173-1 | | | 0 | | | | |
| M/E 173-2 | | | 0 | | | | |
| M/E 174 | | | 79 | | | | |
| M/E 175-1 | | | 5.7 | | | | |
| M/E 175-2 | | | 7.2 | | | | |
| M/E 176-1 | | | 78 | | | | |
| M/E 176-2 | | | 98 | | | | |
| M/E 177-1 | | | 6.1 | | | | |
| M/E 177-2 | | | 7.8 | | | | |

AREA

| LOCATION | OMRE | OMRE | OMRE | OMRE |
|---|---|---|---|---|
| TYPE OF LOCATION | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN803097A | IN803100A | IN803111A | IN803122A |
| MATRIX | TRAPS | TRAPS | TRAPS | TRAPS |
| UNITS | UG/M3 | UG/M3 | UG/M3 | UG/M3 |
| ENV PROBLEM NO | 5 | 5 | 5 | 5 |
| ACETONE | 3200 | 7300 | 940 | 860 |
| BENZENE | 81 | 69 | 18 J | 25 U |
| BROMODICHLOROMETHANE | 25 U | 25 U | 25 U | 25 U |
| BROMOFORM | 25 U | 25 U | 25 U | 25 U |
| BROMOMETHANE | 50 U | 50 U | 50 U | 50 U |
| CARBON DISULFIDE | 25 U | 25 U | 25 U | 25 U |
| CARBON TETRACHLORIDE | 25 U | 12 J | 25 U | 25 U |
| CHLOROBENZENE | 26 | 29 | 14 J | 25 U |
| CHLOROETHANE | 50 U | 50 U | 50 U | 50 U |
| CHLOROFORM | 370 | 200 | 45 | 27 |
| CHLOROMETHANE | 50 U | 50 U | 50 U | 50 U |
| CIS-1,3-DICHLOROPROPENE | 25 U | 25 U | 25 U | 25 U |
| DIBROMOCHLOROMETHANE | 25 U | 25 U | 25 U | 25 U |
| ETHYLBENZENE | 12 J | 58 | 25 U | 13 J |
| METHYLENE CHLORIDE | 14000 B | 15000 B | 2000 B | 1600 B |

TABLE D.3.2 INEL SOIL GAS - SDG NUMBER: IN803064A

AREA

| LOCATION | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
|---|---|---|---|---|
| TYPE OF LOCATION | IN803097A | IN803100A | IN803111A | IN803122A |
| SAMPLE NUMBER | TRAPS | TRAPS | TRAPS | TRAPS |
| MATRIX | UG/M3 | UG/M3 | UG/M3 | UG/M3 |
| UNITS | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | |
| STYRENE | 25 U | 25 U | 25 U | 25 U |
| TETRACHLOROETHENE | 61 | 61 | 28 | 25 U |
| TOLUENE | 2700 | 3000 | 835 | 170 |
| TOLUENE-D8 | | | | |
| TRANS-1,3-DICHLOROPROPENE | 25 U | 25 U | 25 U | 25 U |
| TRICHLOROETHENE | 10 J | 9 J | 25 U | 25 U |
| VINYL ACETATE | 50 U | 50 U | 50 U | 50 U |
| VINYL CHLORIDE | 50 U | 50 U | 50 U | 50 U |
| XYLENE (TOTAL) | 25 U | 193 | 10 J | 63 |
| 1,1-DICHLOROETHANE | 25 U | 25 U | 25 U | 25 U |
| 1,1-DICHLOROETHENE | 25 U | 25 U | 25 U | 25 U |
| 1,1,1-TRICHLOROETHANE | 25 U | 26 | 25 U | 25 U |
| 1,1,2-TRICHLOROETHANE | 25 U | 25 U | 25 U | 25 U |
| 1,1,2,2-TETRACHLOROETHANE | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE-D4 | | | | |
| 1,2-DICHLOROETHENE | 25 U | 25 U | 25 U | 25 U |
| 1,2-DICHLOROPROPANE | 25 U | 25 U | 25 U | 25 U |
| 1,4-BROMOFLUOROBENZENE | | | | |
| 2-BUTANONE | 920 | 430 | 67 | 50 U |
| 2-HEXANONE | 50 U | 50 U | 50 U | 50 U |
| 4-METHYL-2-PENTANONE | 50 U | 50 U | 50 U | 50 U |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.4.1 DIRECTORY FOR PCBS & OTHER EXTRACTABLES QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN503016B | IN503016B | D.4.2 (D-331) |
| 3 | IN503027B | IN503016B | D.4.2 (D-332) |
| 3 | IN503038B | IN503016B | D.4.2 (D-332) |
| 3 | IN503050E | IN503050E | D.4.3 (D-334) |
| 3 | IN507010A | IN507010A | D.4.4 (D-337) |
| 3 | IN507021B | IN507010A | D.4.4 (D-337) |
| 3 | IN507043B | IN507010A | D.4.4 (D-337) |
| 3 | IN507054B | IN507010A | D.4.4 (D-337) |
| 3 | IN508011A | IN507010A | D.4.4 (D-338) |
| 3 | IN508022A | IN507010A | D.4.4 (D-339) |
| 3 | IN508044A | IN507010A | D.4.4 (D-339) |
| 3 | IN508055A | IN507010A | D.4.4 (D-340) |
| 3 | IN509012B | IN503016B | D.4.2 (D-332) |
| 3 | IN509023B | IN503016B | D.4.2 (D-333) |
| 3 | IN509034B | IN503016B | D.4.2 (D-333) |
| 5 | IN804010A | IN507010A | D.4.4 (D-340) |
| 5 | IN804021A | IN507010A | D.4.4 (D-340) |
| 5 | IN804032A | IN507010A | D.4.4 (D-340) |
| 5 | IN804043A | IN507010A | D.4.4 (D-340) |
| 5 | IN804054A | IN507010A | D.4.4 (D-340) |
| 5 | IN804065A | IN507010A | D.4.4 (D-340) |
| 7 | IN814012C | IN814012C | D.4.5 (D-341) |
| 7 | IN814023C | IN814012C | D.4.5 (D-342) |
| 7 | IN814034C | IN814012C | D.4.5 (D-342) |
| 7 | IN814045C | IN814012C | D.4.5 (D-342) |
| 7 | IN814056C | IN814012C | D.4.5 (D-342) |
| 7 | IN814067C | IN814012C | D.4.5 (D-343) |
| 7 | IN814078C | IN814012C | D.4.5 (D-343) |
| 7 | IN814089C | IN814012C | D.4.5 (D-344) |
| 7 | IN814103C | IN814012C | D.4.5 (D-344) |
| 7 | IN814114C | IN814012C | D.4.5 (D-344) |
| 7 | IN814125C | IN814012C | D.4.5 (D-344) |
| 7 | IN814136F | IN814012C | D.4.5 (D-346) |
| 7 | IN818016B | IN818016B | D.4.6 (D-348) |
| 7 | IN818016C | IN814012C | D.4.5 (D-345) |
| 7 | IN818027B | IN818016B | D.4.6 (D-348) |
| 7 | IN818027C | IN814012C | D.4.5 (D-345) |
| 7 | IN818038B | IN818016B | D.4.6 (D-348) |
| 7 | IN818038C | IN814012C | D.4.5 (D-345) |
| 7 | IN818049B | IN818016B | D.4.6 (D-348) |
| 7 | IN818049C | IN814012C | D.4.5 (D-345) |

TABLE D.4.2 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN503016B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | EVAL A TUNED | EVAL B TUNED | EVAL B TUNED | RSD | EVAL C TUNED | METHOD | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | | CALIBRATION | BLANK | WASTE POND |
| SAMPLE NUMBER | IN101988 | IN101988 | IN101988 | IN101988 | IN101988 | PBK01007 | IN503016B |
| MATRIX | | | | | | SOIL | SOIL |
| UNITS | CF | % | CF | % | CF | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | | 3 |
| ALDRIN | 1510 | | 1780 | 8.7 | 1590 | 16 U | 17 U |
| ALPHA CHLORDANE | | | | | | 160 U | 170 U |
| ALPHA-BHC | | | | | | 16 U | 17 U |
| AROCLOR-1016 | | | | | | 160 U | 170 U |
| AROCLOR-1221 | | | | | | 160 U | 170 U |
| AROCLOR-1232 | | | | | | 160 U | 170 U |
| AROCLOR-1242 | | | | | | 160 U | 170 U |
| AROCLOR-1248 | | | | | | 160 U | 170 U |
| AROCLOR-1254 | | | | | | 320 U | 340 U |
| AROCLOR-1260 | | | | | | 320 U | 340 U |
| BETA-BHC | | | | | | 16 U | 17 U |
| COMBINED | | 0.6 | | | | | |
| DBC | 1090 | | 1070 | 9.5 | 914 | | |
| DELTA-BHC | | | | | | 16 U | 17 U |
| DIELDRIN | | | | | | 32 U | 34 U |
| ENDOSULFAN I | | | | | | 16 U | 17 U |
| ENDOSULFAN II | | | | | | 32 U | 34 U |
| ENDOSULFAN SULFATE | | | | | | 32 U | 34 U |
| ENDRIN | 1220 | 0 | 1290 | 5.3 | 1160 | 32 U | 34 U |
| ENDRIN KETONE | | | | | | 32 U | 34 U |
| GAMMA CHLORDANE | | | | | | 160 U | 170 U |
| GAMMA-BHC (LINDANE) | | | | | | 16 U | 17 U |
| HEPTACHLOR | | | | | | 16 U | 17 U |
| HEPTACHLOR EPOXIDE | | | | | | 16 U | 17 U |
| METHOXYCHLOR | | | | | | 160 U | 170 U |
| TOXAPHENE | | | | | | 320 U | 340 U |
| 4,4'-DDD | | | | | | 32 U | 34 U |
| 4,4'-DDE | | | | | | 32 U | 34 U |
| 4,4'-DDT | 1020 | 0.9 | 1150 | 6.6 | 1040 | 32 U | 34 U |
| SURR 1(DBC) %RECOVERY | | | | | | 80 | 95 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | 9(14 D) |

TABLE D.4.2 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN503016B

DRAFT DO NOT CITE

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | TRA 1952 | TRA 1952 | TRA 1952 | MATRIX | MS % | RPD |
| TYPE OF LOCATION | % BREAKDOWN | WASTE POND | WASTE POND | WASTE POND | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN102088 | IN503027B | IN503038B | IN509012B | IN509012B | IN509012B | IN509012B |
| MATRIX | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 |
| ALDRIN | | 19 U | 20 U | 21 U | 54 | 77 | 105 * |
| ALPHA CHLORDANE | | 190 U | 200 U | 210 U | 210 U | | |
| ALPHA-BHC | | 19 U | 20 U | 21 U | 21 U | | |
| AROCLOR-1016 | | 190 U | 200 U | 210 U | 210 U | | |
| AROCLOR-1221 | | 190 U | 200 U | 210 U | 210 U | | |
| AROCLOR-1232 | | 190 U | 200 U | 210 U | 210 U | | |
| AROCLOR-1242 | | 190 U | 200 U | 210 U | 210 U | | |
| AROCLOR-1248 | | 190 U | 200 U | 210 U | 210 U | | |
| AROCLOR-1254 | | 390 U | 390 U | 420 U | 420 U | | |
| AROCLOR-1260 | | 390 U | 390 U | 420 U | 420 U | | |
| BETA-BHC | | 19 U | 20 U | 21 U | 21 U | | |
| COMBINED | 6.9 | | | | | | |
| DBC | | | | | | | |
| DELTA-BHC | | 19 U | 20 U | 21 U | 21 U | | |
| DIELDRIN | | 39 U | 39 U | 42 U | 124 | 71 | 97 * |
| ENDOSULFAN I | | 19 U | 20 U | 21 U | 21 U | | |
| ENDOSULFAN II | | 39 U | 39 U | 42 U | 42 U | | |
| ENDOSULFAN SULFATE | | 39 U | 39 U | 42 U | 42 U | | |
| ENDRIN | 15 | 39 U | 39 U | 42 U | 161 | 93 | 105 * |
| ENDRIN KETONE | | 39 U | 39 U | 42 U | 42 U | | |
| GAMMA CHLORDANE | | 190 U | 200 U | 210 U | 210 U | | |
| GAMMA-BHC (LINDANE) | | 19 U | 20 U | 21 U | 51 | 74 | 99 * |
| HEPTACHLOR | | 19 U | 20 U | 21 U | 50 | 71 | 105 * |
| HEPTACHLOR EPOXIDE | | 19 U | 20 U | 21 U | 21 U | | |
| METHOXYCHLOR | | 190 U | 200 U | 210 U | 210 U | | |
| TOXAPHENE | | 390 U | 390 U | 420 U | 420 U | | |
| 4,4'-DDD | | 39 U | 39 U | 42 U | 42 U | | |
| 4,4'-DDE | | 39 U | 39 U | 42 U | 42 U | | |
| 4,4'-DDT | 2.2 | 39 U | 39 U | 42 U | 139 | 80 | 102 * |
| SURR 1(DBC) %RECOVERY | | 90 | 91 | 76 | 71 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | 9(14 D) | 8(14 D) | 11(14 D) | 11(14 D) | | |

TABLE D.4.2 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN503016B

DRAFT DO NOT CITE

| AREA | QA | QA | | |
|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN509012B | IN509012B | IN509023B | IN509034B |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 |
| ALDRIN | 17 | 24 * | 17 U | 20 U |
| ALPHA CHLORDANE | 210 U | | 170 U | 200 U |
| ALPHA-BHC | 21 U | | 17 U | 20 U |
| AROCLOR-1016 | 210 U | | 170 U | 200 U |
| AROCLOR-1221 | 210 U | | 170 U | 200 U |
| AROCLOR-1232 | 210 U | | 170 U | 200 U |
| AROCLOR-1242 | 210 U | | 170 U | 200 U |
| AROCLOR-1248 | 210 U | | 170 U | 200 U |
| AROCLOR-1254 | 420 U | | 340 U | 410 U |
| AROCLOR-1260 | 420 U | | 340 U | 410 U |
| BETA-BHC | 21 U | | 17 U | 20 U |
| COMBINED | | | | |
| DBC | | | | |
| DELTA-BHC | 21 U | | 17 U | 20 U |
| DIELDRIN | 43 | 24 * | 34 U | 41 U |
| ENDOSULFAN I | 21 U | | 17 U | 20 U |
| ENDOSULFAN II | 42 U | | 34 U | 41 U |
| ENDOSULFAN SULFATE | 42 U | | 34 U | 41 U |
| ENDRIN | 50 | 29 * | 34 U | 41 U |
| ENDRIN KETONE | 42 U | | 34 U | 41 U |
| GAMMA CHLORDANE | 210 U | | 170 U | 200 U |
| GAMMA-BHC (LINDANE) | 18 | 25 * | 17 U | 20 U |
| HEPTACHLOR | 15 | 22 * | 17 U | 20 U |
| HEPTACHLOR EPOXIDE | 21 U | | 17 U | 20 U |
| METHOXYCHLOR | 210 U | | 170 U | 200 U |
| TOXAPHENE | 420 U | | 340 U | 410 U |
| 4,4'-DDD | 42 U | | 34 U | 41 U |
| 4,4'-DDE | 32 U | | 34 U | 41 U |
| 4,4'-DDT | 46 | 26 | 34 U | 41 U |
| SURR 1(DBC) %RECOVERY | 28 | | 90 | 92 |
| ACTUAL(ALLOWED) EXTRACT TIME | 11(14 D) | | 10(14 D) | 10(14 D) |

TABLE D.4.3 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN503050E

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | EVAL A TUNED CALIBRATION | EVAL B TUNED CALIBRATION | EVAL B TUNED CALIBRATION | RSD | EVAL C TUNED CALIBRATION | METHOD BLANK | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | PBK01005 | IN503050E |
| SAMPLE NUMBER | IN101988 | IN101988 | IN101988 | IN101988 | IN101988 | WATER | WATER |
| MATRIX | | | | | | UG/L | UG/L |
| UNITS | CF | % | CF | % | CF | | 3 |
| ENV PROBLEM NO | | | | | | | |
| ALDRIN | 1510 | | 1780 | 8.7 | 1590 | 0.05 U | 0.05 U |
| ALPHA CHLORDANE | | | | | | 0.5 U | 0.5 U |
| ALPHA-BHC | | | | | | 0.05 U | 0.05 U |
| AROCLOR-1016 | | | | | | 0.5 U | 0.5 U |
| AROCLOR-1221 | | | | | | 0.5 U | 0.5 U |
| AROCLOR-1232 | | | | | | 0.5 U | 0.5 U |
| AROCLOR-1242 | | | | | | 0.5 U | 0.5 U |
| AROCLOR-1248 | | | | | | 0.5 U | 0.5 U |
| AROCLOR-1254 | | | | | | 1 U | 1 U |
| AROCLOR-1260 | | | | | | 1 U | 1 U |
| BETA-BHC | | | | | | 0.05 U | 0.05 U |
| COMBINED | | 0.6 | | | | | |
| DBC | 1090 | | 1070 | 9.5 | 914 | | |
| DELTA-BHC | | | | | | 0.05 U | 0.05 U |
| DIELDRIN | | | | | | 0.1 U | 0.1 U |
| ENDOSULFAN I | | | | | | 0.05 U | 0.05 U |
| ENDOSULFAN II | | | | | | 0.1 U | 0.1 U |
| ENDOSULFAN SULFATE | | | | | | 0.1 U | 0.1 U |
| ENDRIN | 1220 | 0 | 1290 | 5.3 | 1160 | 0.1 U | 0.1 U |
| ENDRIN KETONE | | | | | | 0.1 U | 0.1 U |
| GAMMA CHLORDANE | | | | | | 0.5 U | 0.5 U |
| GAMMA-BHC (LINDANE) | | | | | | 0.05 U | 0.05 U |
| HEPTACHLOR | | | | | | 0.05 U | 0.05 U |
| HEPTACHLOR EPOXIDE | | | | | | 0.05 U | 0.05 U |
| METHOXYCHLOR | | | | | | 0.5 U | 0.5 U |
| TOXAPHENE | | | | | | 1 U | 1 U |
| 4,4'-DDD | | | | | | 0.1 U | 0.1 U |
| 4,4'-DDE | | | | | | 0.1 U | 0.1 U |
| 4,4'-DDT | 1020 | 0.9 | 1150 | 6.6 | 1040 | 0.1 U | 0.1 U |
| SURR 1(DBC) %RECOVERY | | | | | | 106 | 91 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | 7(7 D) |

TABLE D.4.3 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN503050E

DRAFT DO NOT CITE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AREA | QA | | | | | | |
| LOCATION | CONT. CAL | | | | | | |
| TYPE OF LOCATION | % BREAKDOWN | | | | | | |
| SAMPLE NUMBER | IN102088 | | | | | | |
| MATRIX | | | | | | | |
| UNITS | % | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| ALDRIN | | | | | | | |
| ALPHA CHLORDANE | | | | | | | |
| ALPHA-BHC | | | | | | | |
| AROCLOR-1016 | | | | | | | |
| AROCLOR-1221 | | | | | | | |
| AROCLOR-1232 | | | | | | | |
| AROCLOR-1242 | | | | | | | |
| AROCLOR-1248 | | | | | | | |
| AROCLOR-1254 | | | | | | | |
| AROCLOR-1260 | | | | | | | |
| BETA-BHC | | | | | | | |
| COMBINED | 6.9 | | | | | | |
| DBC | | | | | | | |
| DELTA-BHC | | | | | | | |
| DIELDRIN | | | | | | | |
| ENDOSULFAN I | | | | | | | |
| ENDOSULFAN II | | | | | | | |
| ENDOSULFAN SULFATE | | | | | | | |
| ENDRIN | 15 | | | | | | |
| ENDRIN KETONE | | | | | | | |
| GAMMA CHLORDANE | | | | | | | |
| GAMMA-BHC (LINDANE) | | | | | | | |
| HEPTACHLOR | | | | | | | |
| HEPTACHLOR EPOXIDE | | | | | | | |
| METHOXYCHLOR | | | | | | | |
| TOXAPHENE | | | | | | | |
| 4,4'-DDD | | | | | | | |
| 4,4'-DDE | | | | | | | |
| 4,4'-DDT | 2.2 | | | | | | |
| SURR 1(DBC) %RECOVERY | | | | | | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

TABLE D.4.4 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN507010A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | EVAL A TUNED | EVAL B TUNED | EVAL B TUNED | RSD | EVAL C TUNED | METHOD |
| TYPE OF LOCATION | % BREAKDOWN | CALIBRATION | CALIBRATION | CALIBRATION | | CALIBRATION | BLANK |
| SAMPLE NUMBER | | IN090188 | IN090188 | IN090188 | IN090188 | IN090188 | PBK62581 |
| MATRIX | | | | | | | WATER |
| UNITS | % | CF | % | CF | % | CF | UG/L |
| ENV PROBLEM NO | | | | | | | |
| ALDRIN | | 2E+07 | | 2E+07 | 8.3 | 2E+07 | 0.05 U |
| ALPHA CHLORDANE | | | | | | | 0.5 U |
| ALPHA-BHC | | | | | | | 0.05 U |
| AROCLOR-1016 | | | | | | | 0.5 U |
| AROCLOR-1221 | | | | | | | 0.5 U |
| AROCLOR-1232 | | | | | | | 0.5 U |
| AROCLOR-1242 | | | | | | | 0.5 U |
| AROCLOR-1248 | | | | | | | 0.5 U |
| AROCLOR-1254 | | | | | | | 1 U |
| AROCLOR-1260 | | | | | | | 1 U |
| BETA-BHC | | | | | | | 0.05 U |
| COMBINED | 9 | | 11 | | | | |
| DBC | | 1E+07 | | 1E+07 | 6.7 | 1E+07 | |
| DELTA-BHC | | | | | | | 0.05 U |
| DIELDRIN | | | | | | | 0.1 U |
| ENDOSULFAN I | | | | | | | 0.05 U |
| ENDOSULFAN II | | | | | | | 0.1 U |
| ENDOSULFAN SULFATE | | | | | | | 0.1 U |
| ENDRIN | 18 | 1E+07 | 21 | 1E+07 | 6.6 | 1E+07 | 0.1 U |
| ENDRIN KETONE | | | | | | | 0.1 U |
| GAMMA CHLORDANE | | | | | | | 0.5 U |
| GAMMA-BHC (LINDANE) | | | | | | | 0.05 U |
| HEPTACHLOR | | | | | | | 0.05 U |
| HEPTACHLOR EPOXIDE | | | | | | | 0.05 U |
| METHOXYCHLOR | | | | | | | 0.5 U |
| TOXAPHENE | | | | | | | 1 U |
| 4,4'-DDD | | | | | | | 0.1 U |
| 4,4'-DDE | | | | | | | 0.1 U |
| 4,4'-DDT | 5 | 1E+07 | 6.6 | 1E+07 | 2.3 | 1E+07 | 0.1 U |
| SURR 1(DBC) %RECOVERY | | | | | | | 102 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

TABLE D.4.4 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN507010A DRAFT DO NOT CITE

| AREA | | | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | CONT. CAL | TRA 1952 | MATRIX | MS % |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | % BREAKDOWN | WASTE POND | SPIKE | RECOVERY |
| SAMPLE NUMBER | IN507021B | IN507043B | IN507054B | IN090288 | IN507010A | IN507010B | IN507010B |
| MATRIX | WATER | WATER | WATER | | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | % | UG/L | UG/L | % |
| ENV PROBLEM NO | 3 | 3 | 3 | | 3 | 3 | 3 |
| ALDRIN | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.18 | 78 |
| ALPHA CHLORDANE | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| ALPHA-BHC | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.05 U | |
| AROCLOR-1016 | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| AROCLOR-1221 | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| AROCLOR-1232 | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| AROCLOR-1242 | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| AROCLOR-1248 | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| AROCLOR-1254 | 1 U | 1 U | 1 U | | 1 U | 0.5 U | |
| AROCLOR-1260 | 0.68 J | 1 U | 0.98 J | | 0.58 J | 0.63 J | |
| BETA-BHC | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.05 U | |
| COMBINED DBC | | | | 8.9 | | | |
| DELTA-BHC | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.05 U | |
| DIELDRIN | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.42 | 92 |
| ENDOSULFAN I | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.05 U | |
| ENDOSULFAN II | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.1 U | |
| ENDOSULFAN SULFATE | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.1 U | |
| ENDRIN | 0.1 U | 0.1 U | 0.1 U | 21 | 0.1 U | 0.58 | 114 |
| ENDRIN KETONE | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.1 U | |
| GAMMA CHLORDANE | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| GAMMA-BHC (LINDANE) | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.27 | 106 |
| HEPTACHLOR | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.17 | 90 |
| HEPTACHLOR EPOXIDE | 0.05 U | 0.05 U | 0.05 U | | 0.05 U | 0.05 U | |
| METHOXYCHLOR | 0.5 U | 0.5 U | 0.5 U | | 0.5 U | 0.5 U | |
| TOXAPHENE | 1 U | 1 U | 1 U | | 1 U | 1 U | |
| 4,4'-DDD | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.1 U | |
| 4,4'-DDE | 0.1 U | 0.1 U | 0.1 U | | 0.1 U | 0.1 U | |
| 4,4'-DDT | 0.1 U | 0.1 U | 0.1 U | 3.3 | 0.1 U | 0.41 | 84 |
| SURR 1(DBC) %RECOVERY | 118 | 104 | 117 | | 123 | 114 | |
| ACTUAL(ALLOWED) EXTRACT TIME | 6(7 D) | 6(7 D) | 6(7 D) | | 6(7 D) | 6(7 D) | |

TABLE D.4.4 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN507010A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | METHOD BLANK | METHOD BLANK | TRA 1952 WASTE POND | MATRIX SPIKE |
| TYPE OF LOCATION | | | | PBK62582 | PBK62583 | IN508011A | IN508011A |
| SAMPLE NUMBER | IN507010B | IN507010C | IN507010C | SOIL | SOIL | SOIL | SOIL |
| MATRIX | WATER | WATER | WATER | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | % | UG/L | % | | | | |
| ENV PROBLEM NO | 3 | 3 | 3 | | | 3 | 3 |
| ALDRIN | 18 | 0.15 | 64 | 8 U | 8 U | 11 U | 79 |
| ALPHA CHLORDANE | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| ALPHA-BHC | | 0.05 U | | 8 U | 8 U | 11 U | 11 U |
| AROCLOR-1016 | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| AROCLOR-1221 | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| AROCLOR-1232 | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| AROCLOR-1242 | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| AROCLOR-1248 | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| AROCLOR-1254 | | 1 U | | 160 U | 160 U | 210 U | 210 U |
| AROCLOR-1260 | | 0.73 J | | 160 U | 160 U | 1800 | 1200 |
| BETA-BHC | | 0.05 U | | 8 U | 8 U | 11 U | 11 U |
| COMBINED | | | | | | | |
| DBC | | 0.05 U | | 8 U | 8 U | 11 U | 11 U |
| DELTA-BHC | 12 | 0.48 | 103 | 16 U | 16 U | 21 U | 64 |
| DIELDRIN | | 0.05 U | | 8 U | 8 U | 11 U | 11 U |
| ENDOSULFAN I | | 0.1 U | | 16 U | 16 U | 21 U | 21 U |
| ENDOSULFAN II | | 0.1 U | | 16 U | 16 U | 21 U | 21 U |
| ENDOSULFAN SULFATE | 11 | 0.64 | 126 * | 16 U | 16 U | 21 U | 151 |
| ENDRIN | | 0.1 U | | 16 U | 16 U | 21 U | 21 U |
| ENDRIN KETONE | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| GAMMA CHLORDANE | 20 * | 0.32 | 127 * | 8 U | 8 U | 11 U | 68 |
| GAMMA-BHC (LINDANE) | 0 | 0.17 | 90 | 8 U | 8 U | 11 U | 36 |
| HEPTACHLOR | | 0.05 U | | 8 U | 8 U | 11 U | 11 U |
| HEPTACHLOR EPOXIDE | | 0.5 U | | 80 U | 80 U | 110 U | 110 U |
| METHOXYCHLOR | | 1 U | | 160 U | 160 U | 210 U | 210 U |
| TOXAPHENE | | 0.1 U | | 16 U | 16 U | 21 U | 21 U |
| 4,4'-DDD | | 0.05 U | | 16 U | 16 U | 21 U | 21 U |
| 4,4'-DDE | 1 | 0.41 | 83 | 16 U | 16 U | 21 U | 145 |
| 4,4'-DDT | | | | | | | |
| SURR 1(DBC) %RECOVERY | | 116 | | 97 | 105 | 129 | 114 |
| ACTUAL(ALLOWED) EXTRACT TIME | | 6(7 D) | | | | 6(14 D) | 6(14 D) |

TABLE D.4.4 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN507010A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | CONT. CAL % BREAKDOWN | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN508011A | IN508011A | IN508011A | IN508011A | IN090388 | IN508022A | IN508044A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | | SOIL | SOIL |
| UNITS | % | % | UG/KG | % | % | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | | 3 | 3 |
| ALDRIN | 188 * | 9 | 72 | 176 * | | 12 U | 9.9 U |
| ALPHA CHLORDANE | | | 110 U | | | 120 U | 99 U |
| ALPHA-BHC | | | 11 U | | | 12 U | 9.9 U |
| AROCLOR-1016 | | | 110 U | | | 120 U | 99 U |
| AROCLOR-1221 | | | 110 U | | | 120 U | 99 U |
| AROCLOR-1232 | | | 110 U | | | 120 U | 99 U |
| AROCLOR-1242 | | | 110 U | | | 120 U | 99 U |
| AROCLOR-1248 | | | 110 U | | | 120 U | 99 U |
| AROCLOR-1254 | | | 220 U | | | 230 U | 200 U |
| AROCLOR-1260 | | | 1400 | | | 270 | 450 |
| BETA-BHC | | | 11 U | | | 12 U | 9.9 U |
| COMBINED DBC | | | | | 6.9 | | |
| DELTA-BHC | | | 11 U | | | 12 U | 9.9 U |
| DIELDRIN | 76 | 8 | 69 | 82 | | 23 U | 20 U |
| ENDOSULFAN I | | | 11 U | | | 12 U | 9.9 U |
| ENDOSULFAN II | | | 22 U | | | 23 U | 20 U |
| ENDOSULFAN SULFATE | | | 22 U | | | 23 U | 20 U |
| ENDRIN | 164 * | 3 | 156 | 171 * | 17 | 23 U | 20 U |
| ENDRIN KETONE | | | 22 U | | | 23 U | 20 U |
| GAMMA CHLORDANE | | | 110 U | | | 120 U | 99 U |
| GAMMA-BHC (LINDANE) | 148 * | 19 | 82 | 178 * | | 12 U | 9.9 U |
| HEPTACHLOR | 106 | 22 | 45 | 132 * | | 12 U | 9.9 U |
| HEPTACHLOR EPOXIDE | | | 11 U | | | 12 U | 9.9 U |
| METHOXYCHLOR | | | 110 U | | | 120 U | 99 U |
| TOXAPHENE | | | 220 U | | | 230 U | 200 U |
| 4,4'-DDD | | | 22 U | | | 23 U | 20 U |
| 4,4'-DDE | | | 22 U | | | 23 U | 20 U |
| 4,4'-DDT | 163 * | 5 | 153 | 174 * | 2.4 | 23 U | 20 U |
| SURR 1(DBC) %RECOVERY | | | 126 | | | 108 | 102 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 6(14 D) | | | 6(14 D) | 6(14 D) |

TABLE D.4.4 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN507010A

DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN508055A | IN804010A | IN804021A | IN804032A | IN804043A | IN804054A | IN804065A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| ALDRIN | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| ALPHA CHLORDANE | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| ALPHA-BHC | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| AROCLOR-1016 | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| AROCLOR-1221 | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| AROCLOR-1232 | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| AROCLOR-1242 | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| AROCLOR-1248 | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| AROCLOR-1254 | 210 U | 170 U | 170 U | 170 U | 180 U | 170 U | 190 U |
| AROCLOR-1260 | 210 U | 170 U | 170 U | 170 U | 180 U | 170 U | 190 U |
| BETA-BHC | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| COMBINED | | | | | | | |
| DBC | | | | | | | |
| DELTA-BHC | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| DIELDRIN | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| ENDOSULFAN I | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| ENDOSULFAN II | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| ENDOSULFAN SULFATE | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| ENDRIN | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| ENDRIN KETONE | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| GAMMA CHLORDANE | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| GAMMA-BHC (LINDANE) | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| HEPTACHLOR | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| HEPTACHLOR EPOXIDE | 11 U | 8.5 U | 8.7 U | 8.7 U | 8.9 U | 8.7 U | 9.3 U |
| METHOXYCHLOR | 100 U | 85 U | 87 U | 87 U | 89 U | 87 U | 93 U |
| TOXAPHENE | 210 U | 170 U | 170 U | 170 U | 180 U | 170 U | 190 U |
| 4,4'-DDD | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| 4,4'-DDE | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| 4,4'-DDT | 21 U | 17 U | 17 U | 17 U | 18 U | 17 U | 19 U |
| SURR 1(DBC) %RECOVERY | 84 | 104 | 114 | 124 | 125 | 121 | 124 |
| ACTUAL(ALLOWED) EXTRACT TIME | 6(14 D) | 7(14 D) | 7(14 D) | 8(14 D) | 7(14 D) | 7(14 D) | 7(14 D) |

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | COLUMN PERF | COLUMN PERF | CONT. CAL |
| TYPE OF LOCATION | INT. STD. 1 | NATIVE 1 | NATIVE 1 | INT STD 1 | CHECK | CHECK | INTERNAL STD |
| SAMPLE NUMBER | IN823509 | IN823509 | IN823509 | IN823509 | IN824011 | IN824011 | IN824012 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | AVRF | AVRF | AV % | AV % | RATIO | % VAL | RF |
| ENV PROBLEM NO | | | | | | | |
| HPCDD | 1.4 | 0.96 | 8 | 12 | | | 1.9 |
| HPCDF | 2.3 | 1 | 9 | 15 | | | 3.3 |
| HXCDD | 1 | 1 | 20 * | 12 | | | 1.7 |
| HXCDF | 2.1 | 0.98 | 14 | 11 | | | 3 |
| OCDD | 0.91 | 0.99 | 10 | 5 | | | 1.1 |
| OCDF | | 1.1 | 14 | | | | |
| PCDD | 1.8 | 1 | 16 * | 3 | | | 1.3 |
| PCDF | 2.3 | 1.1 | 14 | 16 * | | | 4 |
| TCDD-TOT | | | | | | | |
| TCDF-TOT | | | | | | | |
| 2378-TCDD | 1 | 0.99 | 10 | 16 * | 0.77 | 25 < | 1.5 |
| 2378-TCDF | 1.4 | 1.1 | 13 | 15 | | | 1.7 |

ACTUAL(ALLOWED) EXTRACT TIME

| AREA | QA | QA | QA | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | METHOD | INTERNAL STD | TAN/WRRTF | INTERNAL STD | CONT. CAL |
| TYPE OF LOCATION | NATIVE | NATIVE | BLANK | RECOVERY | BURN PITS | RECOVERY | INTERNAL STD |
| SAMPLE NUMBER | IN824012 | IN824012 | IN824014 | IN824014 | IN814012C | IN814012C | IN824104 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | RF |
| ENV PROBLEM NO | | | 9 | 9 | 7 | 7 | |
| HPCDD | 1.1 | 17 | 0.006 U | 61 | 0.029 U | 58 | 3.8 |
| HPCDF | 1.1 | 4.8 | 0.002 U | 56 | 0.015 U | 53 | 6.4 |
| HXCDD | 0.89 | 13 | 0.004 U | 60 | 0.018 U | 65 | 2.3 |
| HXCDF | 1 | 3.8 | 0.002 U | 53 | 0.014 U | 58 | 5.2 |
| OCDD | 1.1 | 9.6 | 0.019 U | 67 | 0.21 U | 55 | 2.3 |
| OCDF | 1.1 | 0.7 | 0.006 * | | 0.13 U | | |
| PCDD | 0.86 | 15 | 0.007 U | 69 | 0.034 U | 71 | 1.3 |
| PCDF | 1 | 7.9 | 0.004 U | 62 | 0.018 U | 78 | 4.5 |
| TCDD-TOT | 1.2 | | 0.012 U | | 0.053 U | | |
| TCDF-TOT | 1.2 | | 0.007 U | | 0.023 U | | |
| 2378-TCDD | 1.2 | 25 | 0.012 U | 66 | 0.053 U | 62 | 2.1 |
| 2378-TCDF | 1.2 | 11 | 0.007 U | 65 | 0.023 U | 75 | 2.3 |

ACTUAL(ALLOWED) EXTRACT TIME 7(30 D)

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C

DRAFT DO NOT CITE

| AREA | QA | QA | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD | CONT. CAL |
| TYPE OF LOCATION | NATIVE | NATIVE | BURN PITS | RECOVERY | BURN PITS | RECOVERY | INTERNAL STD |
| SAMPLE NUMBER | IN824104 | IN824104 | IN814023C | IN814023C | IN814034C | IN814034C | IN824211 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | RF |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | |
| HPCDD | 0.92 | 3.9 | 0.006 | 65 | 0.019 U | 73 | 4.2 |
| HPCDF | 1 | 0.2 | 0.003 | 60 | 0.008 U | 69 | 7.4 |
| HXCDD | 1.1 | 5.8 | 0.006 | 71 | 0.017 U | 82 | 2.4 |
| HXCDF | 0.91 | 6.6 | 0.004 | 64 | 0.012 U | 73 | 5.9 |
| OCDD | 0.89 | 11 | 0.013 | 66 | 0.03 | 76 | 2.4 |
| OCDF | 1.1 | 3.9 | 0.023 | | 0.036 U | | |
| PCDD | 1.1 | 9.6 | 0.011 U | 68 | 0.031 U | 85 | 1.5 |
| PCDF | 1.2 | 11 | 0.003 U | 72 | 0.017 U | 77 | 4.1 |
| TCDD-TOT | 1 | | 0.021 U | | 0.04 U | | |
| TCDF-TOT | 1.1 | | 0.01 U | | 0.03 U | | |
| 2378-TCDD | 1 | 2.8 | 0.021 U | 57 | 0.04 U | 68 | 2 |
| 2378-TCDF | 1.1 | 3.7 | 0.01 U | 68 | 0.03 U | 78 | 2.5 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 7(30 D) | | 7(30 D) | | |

| AREA | QA | QA | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD | CONT. CAL |
| TYPE OF LOCATION | NATIVE | NATIVE | BURN PITS | RECOVERY | BURN PITS | RECOVERY | INTERNAL STD |
| SAMPLE NUMBER | IN824211 | IN824211 | IN814045C | IN814045C | IN814056C | IN814056C | IN824302 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | RF |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | |
| HPCDD | 0.8 | 16 | 0.03 U | 52 | 0.049 U | 58 | 1.2 |
| HPCDF | 1 | 2.4 | 0.019 U | 48 | 0.021 U | 53 | 1.9 |
| HXCDD | 1.1 | 1.9 | 0.02 U | 58 | 0.017 U | 77 | 0.83 |
| HXCDF | 0.97 | 0.7 | 0.027 U | 51 | 0.022 U | 62 | 1.6 |
| OCDD | 0.8 | 19 | 0.048 U | 49 | 0.08 U | 63 | 0.92 |
| OCDF | 1.2 | 6.9 | 0.066 U | | 0.086 U | | |
| PCDD | 1.2 | 16 | 0.035 U | 73 | 0.035 U | 72 | 0.69 |
| PCDF | 1.3 | 16 | 0.02 U | 62 | 0.029 U | 67 | 2 |
| TCDD-TOT | 1.1 | | 0.054 U | | 0.043 U | | |
| TCDF-TOT | 1.1 | | 0.048 U | | 0.052 U | | |
| 2378-TCDD | 1.1 | 6.3 | 0.054 U | 62 | 0.043 U | 65 | 0.87 |
| 2378-TCDF | 1.1 | 7.4 | 0.048 U | 74 | 0.052 U | 78 | 1.4 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 6(30 D) | | 7(30 D) | | |

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C DRAFT DO NOT CITE

| AREA | QA | QA | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD | COLUMN PERF |
| TYPE OF LOCATION | NATIVE | NATIVE | BURN PITS | RECOVERY | BURN PITS | RECOVERY | CHECK |
| SAMPLE NUMBER | IN824302 | IN824302 | IN814067C | IN814067C | IN814078C | IN814078C | IN824306 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | RATIO |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | |
| HPCDD | 0.82 | 14 | 0.023 U | 64 | 0.019 U | 63 | |
| HPCDF | 0.92 | 11 | 0.018 U | 53 | 0.009 U | 57 | |
| HXCDD | 0.89 | 13 | 0.02 U | 69 | 0.016 U | 68 | |
| HXCDF | 0.77 | 21 | 0.013 U | 58 | 0.01 U | 64 | |
| OCDD | 0.82 | 18 | 0.093 U | 72 | 0.16 U | 69 | |
| OCDF | 0.89 | 19 | 0.079 U | | 0.065 U | | |
| PCDD | 0.81 | 20 | 0.022 U | 66 | 0.051 U | 71 | |
| PCDF | 0.94 | 14 | 0.009 U | 65 | 0.014 U | 71 | |
| TCDD-TOT | 0.86 | | 0.029 U | | 0.04 U | | |
| TCDF-TOT | 0.91 | | 0.022 U | | 0.037 U | | |
| 2378-TCDD | 0.86 | 13 | 0.029 U | 61 | 0.04 U | 65 | 0.82 |
| 2378-TCDF | 0.91 | 14 | 0.022 U | 68 | 0.037 U | 74 | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 7(30 D) | | 7(30 D) | | |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | COLUMN PERF | NATIVE SPIKE | NATIVE SPIKE | INTERNAL STD | COLUMN PERF | COLUMN PERF | CONT. CAL |
| TYPE OF LOCATION | CHECK | | RECOVERY | RECOVERY | CHECK | CHECK | INTERNAL STD |
| SAMPLE NUMBER | IN824306 | IN824710 | IN824710 | IN824710 | IN824704 | IN824704 | IN824706 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | SOIL | SOIL |
| UNITS | % VAL | NG/G | % | % | RATIO | % VAL | RF |
| ENV PROBLEM NO | | | | | | | |
| HPCDD | | 3.5 | 75 | 63 | | | 1 |
| HPCDF | | 3.4 | 72 * | 54 | | | 1.7 |
| HXCDD | | 4.7 | 114 | 63 | | | 0.8 |
| HXCDF | | 4.8 | 96 | 57 | | | 1.6 |
| OCDD | | 3.9 | 90 | 70 | | | 0.64 |
| OCDF | | 4.5 | 77 | | | | |
| PCDD | | 6.6 | 97 | 75 | | | 0.71 |
| PCDF | | 3 | 73 * | 70 | | | 2.5 |
| TCDD-TOT | | 5.2 | | | | | |
| TCDF-TOT | | 5.8 | | | | | |
| 2378-TCDD | 25 < | 5.2 | 101 | 65 | 0.77 | 25 < | 0.98 |
| 2378-TCDF | | 5.8 | 75 | 68 | | | 1.4 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C

DRAFT DO NOT CITE

| AREA | QA | QA | | QA | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD | CONT. CAL |
| TYPE OF LOCATION | NATIVE | NATIVE | BURN PITS | RECOVERY | BURN PITS | RECOVERY | INTERNAL STD |
| SAMPLE NUMBER | IN824706 | IN824706 | IN814089C | IN814089C | IN814103C | IN814103C | IN824811 |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | RF |
| ENV PROBLEM NO | | | 7 | 7 | 7 | 7 | |
| HPCDD | 0.85 | 11 | 0.005 | 53 | 0.023 U | 26 * | 1 |
| HPCDF | 0.93 | 9.9 | 0.01 U | 43 | 0.018 U | 18 * | 1.7 |
| HXCDD | 0.85 | 17 | 0.018 U | 57 | 0.018 U | 44 | 0.76 |
| HXCDF | 0.86 | 12 | 0.005 | 47 | 0.008 U | 28 * | 1.7 |
| OCDD | 0.87 | 12 | 0.013 | 61 | 0.17 U | 17 * | 0.65 |
| OCDF | 0.92 | 16 | 0.013 | | 0.14 U | | |
| PCDD | 0.82 | 18 | 0.011 U | 63 | 0.005 U | 60 | 0.69 |
| PCDF | 0.94 | 14 | 0.005 U | 65 | 0.005 U | 65 | 2.3 |
| TCDD-TOT | 0.86 | | 0.032 U | | 0.064 U | | |
| TCDF-TOT | 0.95 | | 0.017 U | | 0.014 U | | |
| 2378-TCDD | 0.86 | 13 | 0.032 U | 62 | 0.064 U | 77 | 0.92 |
| 2378-TCDF | 0.95 | 10 | 0.017 U | 66 | 0.014 U | 75 | 1.5 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 6(30 D) | | 12(30 D) | | |

| AREA | QA | QA | QA | QA | | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | METHOD | INTERNAL STD | TAN/WRRTF | INTERNAL STD | TAN/WRRTF |
| TYPE OF LOCATION | NATIVE | NATIVE | BLANK | RECOVERY | BURN PITS | RECOVERY | BURN PITS |
| SAMPLE NUMBER | IN824811 | IN824811 | IN824813 | IN824813 | IN814114C | IN814114C | IN814125C |
| MATRIX | SOIL | SOIL | SOIL | | SOIL | | SOIL |
| UNITS | RF | % D | NG/G | % | NG/G | % | NG/G |
| ENV PROBLEM NO | | | | | 7 | 7 | 7 |
| HPCDD | 0.83 | 13 | 0.003 * | 50 | 0.017 | 58 | 0.009 U |
| HPCDF | 0.95 | 8 | 0.005 U | 46 | 0.062 | 48 | 0.002 U |
| HXCDD | 0.9 | 13 | 0.007 U | 65 | 0.046 | 68 | 0.006 U |
| HXCDF | 0.84 | 14 | 0.002 * | 51 | 0.21 | 53 | 0.003 U |
| OCDD | 0.81 | 18 | 0.007 * | 47 | 0.022 | 62 | 0.022 U |
| OCDF | 0.89 | 19 | 0.009 * | | 0.024 | | 0.012 U |
| PCDD | 0.88 | 12 | 0.044 U | 35 * | 0.055 | 68 | 0.031 U |
| PCDF | 0.93 | 15 | 0.006 U | 61 | 0.13 | 69 | 0.015 U |
| TCDD-TOT | 0.91 | | 0.019 U | | 0.071 | | 0.021 U |
| TCDF-TOT | 0.95 | | 0.011 U | | 0.16 | | 0.012 U |
| 2378-TCDD | 0.91 | 7.6 | 0.019 U | 62 | 0.011 U | 64 | 0.021 U |
| 2378-TCDF | 0.95 | 11 | 0.011 U | 66 | 0.036 | 68 | 0.012 U |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | 12(30 D) | | 11(30 D) |

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C DRAFT DO NOT CITE

| AREA | QA | | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INTERNAL STD | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD | COLUMN PERF | COLUMN PERF |
| TYPE OF LOCATION | RECOVERY | BURN PITS | RECOVERY | BURN PITS | RECOVERY | CHECK | CHECK |
| SAMPLE NUMBER | IN814125C | IN818016C | IN818016C | IN818027C | IN818027C | IN824818 | IN824818 |
| MATRIX | | SOIL | | SOIL | | SOIL | SOIL |
| UNITS | % | NG/G | % | NG/G | % | RATIO | % VAL |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| HPCDD | 72 | 0.006 U | 57 | 0.025 U | 44 | | |
| HPCDF | 59 | 0.004 U | 52 | 0.02 U | 27 * | | |
| HXCDD | 75 | 0.004 U | 70 | 0.03 U | 55 | | |
| HXCDF | 60 | 0.002 U | 59 | 0.008 U | 35 * | | |
| OCDD | 83 | 0.008 | 57 | 0.11 U | 64 | | |
| OCDF | | 0.015 U | | 0.03 U | | | |
| PCDD | 91 | 0.039 U | 56 | 0.14 U | 25 * | | |
| PCDF | 62 | 0.008 U | 57 | 0.017 U | 46 | | |
| TCDD-TOT | | 0.008 U | | 0.044 U | | | |
| TCDF-TOT | | 0.008 U | | 0.025 U | | | |
| 2378-TCDD | 67 | 0.008 U | 61 | 0.044 U | 65 | 0.74 | 25 < |
| 2378-TCDF | 71 | 0.008 U | 65 | 0.025 U | 67 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | 36(30 D) | | 36(30 D) | | | |

| AREA | QA | QA | QA | | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONT. CAL | CONT. CAL | CONT. CAL | TAN/WRRTF | INTERNAL STD | TAN/WRRTF | INTERNAL STD |
| TYPE OF LOCATION | INTERNAL STD | NATIVE | NATIVE | BURN PITS | RECOVERY | BURN PITS | RECOVERY |
| SAMPLE NUMBER | IN824902 | IN824902 | IN824902 | IN818038C | IN818038C | IN818049C | IN818049C |
| MATRIX | SOIL | SOIL | SOIL | SOIL | | SOIL | |
| UNITS | RF | RF | % D | NG/G | % | NG/G | % |
| ENV PROBLEM NO | | | | 7 | 7 | 7 | 7 |
| HPCDD | 0.49 | 0.83 | 14 | 0.016 | 118 | 0.022 U | 60 |
| HPCDF | 2.3 | 0.98 | 4.7 | 0.004 | 123 * | 0.009 U | 101 |
| HXCDD | 1.3 | 0.86 | 17 | 0.014 U | 182 * | 0.016 U | 138 * |
| HXCDF | 1.9 | 0.76 | 22 | 0.017 U | 148 * | 0.005 U | 154 * |
| OCDD | 0.14 | 0.81 | 19 | 0.064 | 72 | 0.14 U | 37 * |
| OCDF | | 0.65 | 41 * | 0.088 U | | 0.043 U | |
| PCDD | 1.1 | 0.81 | 20 | 0.05 U | 41 | 0.036 U | 110 |
| PCDF | 3.1 | 1 | 8.4 | 0.038 U | 102 | 0.015 U | 116 |
| TCDD-TOT | | 1.1 | | 0.064 U | | 0.093 U | |
| TCDF-TOT | | 1.1 | | 0.037 U | | 0.027 U | |
| 2378-TCDD | 0.9 | 1.1 | 6.9 | 0.064 U | 66 | 0.093 U | 63 |
| 2378-TCDF | 1.6 | 1.1 | 0.95 | 0.037 U | 102 | 0.027 U | 147 * |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | 36(30 D) | | 36(30 D) | |

TABLE D.4.5 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN814012C

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | INTERNAL STD | METHOD | INTERNAL STD | NATIVE SPIKE | NATIVE SPIKE | INTERNAL STD |
| TYPE OF LOCATION | BURN PITS | RECOVERY | BLANK | RECOVERY | | RECOVERY | RECOVERY |
| SAMPLE NUMBER | IN814136F | IN814136F | IN824907 | IN824907 | IN824908 | IN824908 | IN824908 |
| MATRIX | WATER | | SOIL | | SOIL | SOIL | |
| UNITS | NG/G | % | NG/G | % | NG/G | % | % |
| ENV PROBLEM NO | 7 | 7 | | | | | |
| HPCDD | 0.063 U | 48 | 0.056 U | 52 | 3.7 | 79 | 54 |
| HPCDF | 0.029 U | 47 | 0.044 U | 51 | 3.4 | 72 * | 49 |
| HXCDD | 0.038 U | 60 | 0.065 U | 67 | 4.2 | 102 | 67 |
| HXCDF | 0.019 U | 55 | 0.024 U | 59 | 4.3 | 87 | 52 |
| OCDD | 0.36 U | 36 * | 0.22 U | 46 | 4.4 | 99 | 44 |
| OCDF | 0.25 U | | 0.16 U | | 5.4 | 94 | |
| PCDD | 0.088 U | 67 | 0.24 U | 69 | 5.7 | 84 | 103 |
| PCDF | 0.056 U | 53 | 0.066 U | 60 | 2.5 | 61 * | 51 |
| TCDD-TOT | 0.093 U | | 0.12 U | | 4.9 | | |
| TCDF-TOT | 0.085 U | | 0.082 U | | 5.2 | | |
| 2378-TCDD | 0.093 U | 69 | 0.12 U | 69 | 4.9 | 95 | 66 |
| 2378-TCDF | 0.085 U | 58 | 0.082 U | 68 | 5.2 | 67 * | 62 |
| ACTUAL(ALLOWED) EXTRACT TIME | 32(30 D) | | | | | | |

| AREA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | NATIVE SPIKE | NATIVE SPIKE | INTERNAL STD | COLUMN PERF | COLUMN PERF |
| TYPE OF LOCATION | | RECOVERY | RECOVERY | CHECK | CHECK |
| SAMPLE NUMBER | IN824909 | IN824909 | IN824909 | IN824910 | IN824910 |
| MATRIX | SOIL | SOIL | | SOIL | SOIL |
| UNITS | NG/G | % | % | RATIO | % VAL |
| ENV PROBLEM NO | | | | | |
| HPCDD | 3.6 | 78 | 60 | | |
| HPCDF | 3.7 | 77 | 50 | | |
| HXCDD | 4.7 | 115 | 70 | | |
| HXCDF | 4.9 | 99 | 64 | | |
| OCDD | 4.1 | 94 | 64 | | |
| OCDF | 4.4 | 76 | | | |
| PCDD | 6.3 | 93 | 80 | | |
| PCDF | 2.9 | 70 * | 69 | | |
| TCDD-TOT | 5.5 | | | | |
| TCDF-TOT | 5.3 | | | | |
| 2378-TCDD | 5.5 | 106 | 67 | 0.81 | 25 < |
| 2378-TCDF | 5.3 | 69 * | 72 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | |

TABLE D.4.6 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN818016B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | EVAL A TUNED | EVAL B TUNED | EVAL B TUNED | RSD | EVAL C TUNED | CONT. CAL | METHOD |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | | CALIBRATION | % BREAKDOWN | BLANK |
| SAMPLE NUMBER | IN081188 | IN081188 | IN081188 | IN081188 | IN081188 | IN081288 | PBK00628 |
| MATRIX | | | | | | | SOIL |
| UNITS | CF | % | CF | % | CF | % | UG/KG |
| ENV PROBLEM NO | | | | | | | |
| ALDRIN | 1290 | | 1410 | 4.6 | 1390 | | 16 U |
| ALPHA CHLORDANE | | | | | | | 160 U |
| ALPHA-BHC | | | | | | | 16 U |
| AROCLOR-1016 | | | | | | | 160 U |
| AROCLOR-1221 | | | | | | | 160 U |
| AROCLOR-1232 | | | | | | | 160 U |
| AROCLOR-1242 | | | | | | | 160 U |
| AROCLOR-1248 | | | | | | | 160 U |
| AROCLOR-1254 | | | | | | | 320 U |
| AROCLOR-1260 | | | | | | | 320 U |
| BETA-BHC | | | | | | | 16 U |
| COMBINED | | 0.9 | | | | 1.7 | |
| DBC | 865 | | 874 | 1.2 | 853 | | |
| DELTA-BHC | | | | | | | 16 U |
| DIELDRIN | | | | | | | 32 U |
| ENDOSULFAN I | | | | | | | 16 U |
| ENDOSULFAN II | | | | | | | 32 U |
| ENDOSULFAN SULFATE | | | | | | | 32 U |
| ENDRIN | 997 | 2.5 | 1030 | 2.2 | 1040 | 3 | 32 U |
| ENDRIN KETONE | | | | | | | 32 U |
| GAMMA CHLORDANE | | | | | | | 160 U |
| GAMMA-BHC (LINDANE) | | | | | | | 16 U |
| HEPTACHLOR | | | | | | | 16 U |
| HEPTACHLOR EPOXIDE | | | | | | | 16 U |
| METHOXYCHLOR | | | | | | | 160 U |
| TOXAPHENE | | | | | | | 320 U |
| 4,4'-DDD | | | | | | | 32 U |
| 4,4'-DDE | | | | | | | 32 U |
| 4,4'-DDT | 929 | 0 | 927 | 1.4 | 950 | 1 | 32 U |
| SURR 1(DBC) %RECOVERY | | | | | | | 87 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

TABLE D.4.6 INEL PCBS & OTHER EXTRACTABLES - SDG NUMBER: IN818016B

DRAFT DO NOT CITE

| AREA | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN818016B | IN818027B | IN818038B | IN818049B | IN818049B | IN818049B | IN818049B |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ALDRIN | 17 U | 18 U | 17 U | 17 U | 52 | 93 | 0 |
| ALPHA CHLORDANE | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| ALPHA-BHC | 17 U | 18 U | 17 U | 17 U | 17 U | | |
| AROCLOR-1016 | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| AROCLOR-1221 | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| AROCLOR-1232 | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| AROCLOR-1242 | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| AROCLOR-1248 | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| AROCLOR-1254 | 350 U | 350 U | 350 U | 340 U | 340 U | | |
| AROCLOR-1260 | 350 U | 350 U | 350 U | 340 U | 340 U | | |
| BETA-BHC | 17 U | 18 U | 17 U | 17 U | 17 U | | |
| COMBINED | | | | | | | |
| DBC | | | | | | | |
| DELTA-BHC | 17 U | 18 U | 17 U | 17 U | 17 U | | |
| DIELDRIN | 35 U | 35 U | 35 U | 34 U | 120 | 86 | 0 |
| ENDOSULFAN I | 17 U | 18 U | 17 U | 17 U | 17 U | | |
| ENDOSULFAN II | 35 U | 35 U | 35 U | 34 U | 34 U | | |
| ENDOSULFAN SULFATE | 35 U | 35 U | 35 U | 34 U | 34 U | | |
| ENDRIN | 35 U | 35 U | 35 U | 34 U | 120 | 86 | 0 |
| ENDRIN KETONE | 35 U | 35 U | 35 U | 34 U | 34 U | | |
| GAMMA CHLORDANE | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| GAMMA-BHC (LINDANE) | 17 U | 18 U | 17 U | 17 U | 53 | 95 | 0 |
| HEPTACHLOR | 17 U | 18 U | 17 U | 17 U | 49 | 88 | 0 |
| HEPTACHLOR EPOXIDE | 17 U | 18 U | 17 U | 17 U | 17 U | | |
| METHOXYCHLOR | 170 U | 180 U | 170 U | 170 U | 170 U | | |
| TOXAPHENE | 350 U | 350 U | 350 U | 340 U | 340 U | | |
| 4,4'-DDD | 35 U | 35 U | 35 U | 34 U | 34 U | | |
| 4,4'-DDE | 35 U | 35 U | 35 U | 34 U | 34 U | | |
| 4,4'-DDT | 35 U | 35 U | 35 U | 34 U | 120 | 86 | 0 |
| SURR 1(DBC) %RECOVERY | 86 | 91 | 91 | 91 | 97 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | | |

TABLE D.5.1 DIRECTORY FOR EXTRACTABLE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 1 | IN301012B | IN301012B | D.5.2 (D-350) |
| 1 | IN301023B | IN301012B | D.5.2 (D-350) |
| 1 | IN301034B | IN301012B | D.5.2 (D-352) |
| 1 | IN301045B | IN301012B | D.5.2 (D-352) |
| 1 | IN301056B | IN301012B | D.5.2 (D-352) |
| 1 | IN301067B | IN301012B | D.5.2 (D-355) |
| 1 | IN301078B | IN301012B | D.5.2 (D-355) |
| 1 | IN301089B | IN301012B | D.5.2 (D-358) |
| 1 | IN301090B | IN301012B | D.5.2 (D-358) |
| 4 | IN523010B | IN523010B | D.5.3 (D-367) |
| 4 | IN523021C | IN523010B | D.5.3 (D-367) |
| 4 | IN523032A | IN523010B | D.5.3 (D-367) |
| 4 | IN523134A | IN523010B | D.5.3 (D-367) |
| 5 | IN801017B | IN801017B | D.5.4 (D-376) |
| 5 | IN801028B | IN801017B | D.5.4 (D-376) |
| 5 | IN801039B | IN801017B | D.5.4 (D-376) |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | CFA |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | IN0816885 | IN0818885 | IN0818887 | IN0818887 | IN0818888 | IN301012B | IN301023B |
| MATRIX | | | | | | SOIL | SOIL |
| UNITS | % | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 1 | 1 |
| ACENAPHTHENE | | | 1.148 | 0.5 | | 660 U | 670 U |
| ACENAPHTHYLENE | | | 1.825 | -0.3 | | 660 U | 670 U |
| ANTHRACENE | | | 1.164 | -3.5 | | 660 U | 670 U |
| BENZO(A)ANTHRACENE | | | 1.249 | -1.6 | | 660 U | 670 U |
| BENZO(A)PYRENE | | | 1.442 | -7.9 | | 660 U | 670 U |
| BENZO(B)FLUORANTHENE | | | 1.696 | -8 | | 660 U | 670 U |
| BENZO(G,H,I)PERYLENE | | | 0.914 | -13.8 | | 660 U | 670 U |
| BENZO(K)FLUORANTHENE | | | 1.612 | -4.9 | | 660 U | 670 U |
| BENZOIC ACID | | | 0.075 | 33.6 | | 3200 U | 3200 U |
| BENZYL ALCOHOL | | | 0.921 | -1.1 | | 660 U | 670 U |
| BIS(2-CHLOROETHOXY)METHANE | | | 0.487 | -1.7 | | 660 U | 670 U |
| BIS(2-CHLOROETHYL)ETHER | | | 1.721 | 0.2 | | 660 U | 670 U |
| BIS(2-CHLOROISOPROPYL)ETHER | | | 2.724 | 1.4 | | 660 U | 670 U |
| BIS(2-ETHYLHEXYL)PHTHALATE | | | 1.006 | -4.2 | | 58 BJ | 100 BJ |
| BUTYLBENZYLPHTHALATE | | | 0.755 | -3.7 | | 660 U | 670 U |
| CHRYSENE | | | 1.172 | -2.4 | | 660 U | 670 U |
| DI-N-BUTYLPHTHALATE | | | 1.232 | -2.7 | | 400 BJ | 220 BJ |
| DI-N-OCTYLPHTHALATE | | | 2.829 | -10 | | 21 J | 130 J |
| DIBENZ(A,H)ANTHRACENE | | | 1.043 | -14.7 | | 660 U | 670 U |
| DIBENZOFURAN | | | 1.671 | 0.2 | | 660 U | 670 U |
| DIETHYLPHTHALATE | | | 1.149 | 0.4 | | 660 U | 670 U |
| DIMETHYLPHTHALATE | | | 1.238 | -2.1 | | 660 U | 670 U |
| FLUORANTHENE | | | 1.032 | 6.9 | | 660 U | 670 U |
| FLUORENE | | | 1.372 | 0.1 | | 660 U | 670 U |
| HEXACHLOROBENZENE | | | 0.212 | 2.3 | | 660 U | 670 U |
| HEXACHLOROBUTADIENE | | | 0.155 | 1.9 | | 660 U | 670 U |
| HEXACHLOROCYCLOPENTADIENE | | | 0.244 | 22.8 | | 660 U | 670 U |
| HEXACHLOROETHANE | | | 0.578 | 2.2 | | 660 U | 670 U |
| INDENO(1,2,3-CD)PYRENE | | | 0.951 | -3.4 | | 660 U | 670 U |
| ISOPHORONE | | | 0.822 | -6.5 | | 660 U | 670 U |
| N-NITROSO-DI-N-PROPYLAMINE | | | 0.878 | -5.2 | | 660 U | 670 U |
| N-NITROSODIPHENYLAMINE | | | 0.42 | -19.3 | | 660 U | 670 U |
| NAPHTHALENE | | | 1.133 | -6.4 | | 660 U | 670 U |
| NITROBENZENE | | | 0.391 | 0.8 | | 660 U | 670 U |
| NITROBENZENE-D5 | | | 0.21 | -5 | | | |
| PENTACHLOROPHENOL | | | 0.098 | 4.9 | | 3200 U | 3200 U |
| PHENANTHRENE | | | 1.133 | 0 | | 660 U | 670 U |
| PHENOL | | | 1.926 | -3.4 | | 37 BJ | 670 U |
| PHENOL-D5 | | | 1.455 | -0.1 | | | |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | CFA DRAINFIELD | CFA DRAINFIELD |
| TYPE OF LOCATION | IN0816885 | IN0818885 | IN0818887 | IN0818887 | IN0818888 | IN301012B | IN301023B |
| SAMPLE NUMBER | | | | | | SOIL | SOIL |
| MATRIX | | | | | | UG/KG | UG/KG |
| UNITS | % | % | RRF | % | AREA | 1 | 1 |
| ENV PROBLEM NO | | | | | | | |
| PYRENE | | | 0.993 | 9.8 | | 660 U | 670 U |
| TERPHENYL-D14 | | | 1.224 | -14 | | | |
| 1,2-DICHLOROBENZENE | | | 1.544 | 1.3 | | 660 U | 670 U |
| 1,2,4-TRICHLOROBENZENE | | | 0.339 | -0.3 | | 660 U | 670 U |
| 1,3-DICHLOROBENZENE | | | 1.586 | 0.9 | | 660 U | 670 U |
| 1,4-DICHLOROBENZENE | | | 1.667 | 1 | | 660 U | 670 U |
| 2-CHLORONAPHTHALENE | | | 1.242 | 1.4 | | 660 U | 670 U |
| 2-CHLOROPHENOL | | | 1.386 | 0.9 | | 660 U | 670 U |
| 2-FLUOROBIPHENYL | | | 1.33 | -1.1 | | | |
| 2-FLUOROPHENOL | | | 1.311 | 0.4 | | | |
| 2-METHYLNAPHTHALENE | | | 0.765 | -3.4 | | 660 U | 670 U |
| 2-METHYLPHENOL | | | 1.313 | 0.5 | | 660 U | 670 U |
| 2-NITROANILINE | | | 0.342 | 0.9 | | 3200 U | 3200 U |
| 2-NITROPHENOL | | | 0.218 | -0.9 | | 660 U | 670 U |
| 2,4-DICHLOROPHENOL | | | 0.285 | -0.7 | | 660 U | 670 U |
| 2,4-DIMETHYLPHENOL | | | 0.29 | -1.8 | | 660 U | 670 U |
| 2,4-DINITROPHENOL | | | 0.134 | 29.5 | | 3200 U | 3200 U |
| 2,4-DINITROTOLUENE | | | 0.395 | 0 | | 660 U | 670 U |
| 2,4,5-TRICHLOROPHENOL | | | 0.361 | -4 | | 3200 U | 3200 U |
| 2,4,6-TRIBROMOPHENOL | | | 0.086 | 0 | | | |
| 2,4,6-TRICHLOROPHENOL | | | 0.36 | 3 | | 660 U | 670 U |
| 2,6-DINITROTOLUENE | | | 0.321 | -2.6 | | 660 U | 670 U |
| 3-NITROANILINE | | | 0.325 | 1.5 | | 3200 U | 3200 U |
| 3,3'-DICHLOROBENZIDINE | | | 0.695 | -71.2 | | 1300 U | 1300 U |
| 4-BROMOPHENYL-PHENYLETHER | | | 0.21 | 1.4 | | 660 U | 670 U |
| 4-CHLORO-3-METHYLPHENOL | | | 0.275 | -2.6 | | 660 U | 670 U |
| 4-CHLOROANILINE | | | 0.145 | 5.2 | | 660 U | 670 U |
| 4-CHLOROPHENYL-PHENYLETHER | | | 0.639 | 2.3 | | 660 U | 670 U |
| 4-METHYLPHENOL | | | 1.354 | -0.7 | | 660 U | 670 U |
| 4-NITROANILINE | | | 0.284 | 6 | | 3200 U | 3200 U |
| 4-NITROPHENOL | | | 0.064 | 22 | | 3200 U | 3200 U |
| 4,6-DINITRO-2-METHYLPHENOL | | | 0.209 | 14.3 | | 3200 U | 3200 U |
| SURR 1(NBZ) %RECOVERY | | | | | | 31 | 44 |
| SURR 2(FBP) %RECOVERY | | | | | | 33 | 44 |
| SURR 3(TPH) %RECOVERY | | | | | | 27 | 39 |
| SURR 4(PHL) %RECOVERY | | | | | | 34 | 46 |
| SURR 5(2FP) %RECOVERY | | | | | | 32 | 45 |
| SURR 6(TBP) %RECOVERY | | | | | | 24 | 32 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | CFA |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | IN0816885 | IN0818885 | IN0818887 | IN0818887 | IN0818888 | IN301012B | IN301023B |
| MATRIX | | | | | | SOIL | SOIL |
| UNITS | % | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 1 | 1 |
| M/E 51 | 48 | 48 | | | | | |
| M/E 68-1 | 0 | 0 | | | | | |
| M/E 68-2 | 0 | 0 | | | | | |
| M/E 69 | 42 | 42 | | | | | |
| M/E 70-1 | 0 | 0 | | | | | |
| M/E 70-2 | 0 | 0 | | | | | |
| M/E 127 | 41 | 41 | | | | | |
| M/E 197 | 0 | 0 | | | | | |
| M/E 198 | 100 | 100 | | | | | |
| M/E 199 | 6.3 | 6.4 | | | | | |
| M/E 275 | 18 | 17 | | | | | |
| M/E 365 | 1.2 | 1.1 | | | | | |
| M/E 441 | 6.1 | 5.6 | | | | | |
| M/E 442 | 53 | 50 | | | | | |
| M/E 443-1 | 9.9 | 8.9 | | | | | |
| M/E 443-2 | 19 | 18 | | | | | |
| INTERNAL STD AREA(ANT) | | | | | 98100 | 84400 | 95400 |
| INTERNAL STD AREA(CRY) | | | | | 74700 | 73200 | 79600 |
| INTERNAL STD AREA(DCB) | | | | | 49200 | 51400 | 52300 |
| INTERNAL STD AREA(NPT) | | | | | 178000 | 175000 | 182000 |
| INTERNAL STD AREA(PHN) | | | | | 144000 | 112000 | 134000 |
| INTERNAL STD AREA(PRY) | | | | | 39300 | 54500 | 57900 |
| DILUTION FACTOR | | | | | | 0.5 | 0.5 |
| PERCENT MOISTURE | | | | | | 1 | 2 |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | 18(14 D) | 14(14 D) |

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | CFA |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | IN301034B | IN0822885 | IN0822887 | IN0822887 | IN0822888 | IN301045B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| ACENAPHTHENE | 800 U | | 1.131 | 2 | | 670 U | 670 U |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | CFA |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | IN301034B | IN0822885 | IN0822887 | IN0822887 | IN0822888 | IN301045B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| ACENAPHTHYLENE | 800 U | | 1.81 | 0.5 | | 670 U | 670 U |
| ANTHRACENE | 800 U | | 1.136 | -1 | | 670 U | 670 U |
| BENZO(A)ANTHRACENE | 800 U | | 1.227 | 0.2 | | 670 U | 670 U |
| BENZO(A)PYRENE | 800 U | | 1.533 | -14.8 | | 670 U | 670 U |
| BENZO(B)FLUORANTHENE | 800 U | | 1.834 | -16.8 | | 670 U | 670 U |
| BENZO(G,H,I)PERYLENE | 800 U | | 0.958 | -19.3 | | 670 U | 670 U |
| BENZO(K)FLUORANTHENE | 800 U | | 1.721 | -12 | | 670 U | 670 U |
| BENZOIC ACID | 3900 U | | 0.064 | 43.4 | | 3200 U | 3200 U |
| BENZYL ALCOHOL | 800 U | | 0.871 | 4.4 | | 670 U | 670 U |
| BIS(2-CHLOROETHOXY)METHANE | 800 U | | 0.478 | 0.2 | | 670 U | 670 U |
| BIS(2-CHLOROETHYL)ETHER | 800 U | | 1.776 | -3 | | 670 U | 670 U |
| BIS(2-CHLOROISOPROPYL)ETHER | 800 U | | 2.814 | -1.8 | | 670 U | 670 U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 57 BJ | | 0.867 | 10.2 | | 68 BJ | 100 BJ |
| BUTYLBENZYLPHTHALATE | 800 U | | 0.682 | 6.3 | | 670 U | 670 U |
| CHRYSENE | 800 U | | 1.141 | 0.3 | | 670 U | 670 U |
| DI-N-BUTYLPHTHALATE | 680 BJ | | 1.157 | 3.6 | | 220 BJ | 150 BJ |
| DI-N-OCTYLPHTHALATE | 28 J | | 2.343 | 8.9 | | 670 U | 670 U |
| DIBENZ(A,H)ANTHRACENE | 800 U | | 0.968 | -6.5 | | 670 U | 670 U |
| DIBENZOFURAN | 800 U | | 1.64 | 2 | | 670 U | 670 U |
| DIETHYLPHTHALATE | 800 U | | 1.031 | 10.7 | | 670 U | 670 U |
| DIMETHYLPHTHALATE | 800 U | | 1.168 | 3.7 | | 670 U | 670 U |
| FLUORANTHENE | 800 U | | 0.972 | 12.4 | | 670 U | 670 U |
| FLUORENE | 800 U | | 1.282 | 6.6 | | 670 U | 670 U |
| HEXACHLOROBENZENE | 800 U | | 0.215 | 0.9 | | 670 U | 670 U |
| HEXACHLOROBUTADIENE | 800 U | | 0.153 | 3.2 | | 670 U | 670 U |
| HEXACHLOROCYCLOPENTADIENE | 800 U | | 0.282 | 10.8 | | 670 U | 670 U |
| HEXACHLOROETHANE | 800 U | | 0.6 | -1.5 | | 670 U | 670 U |
| INDENO(1,2,3-CD)PYRENE | 800 U | | 1.093 | -18.8 | | 670 U | 670 U |
| ISOPHORONE | 800 U | | 0.788 | -2.1 | | 670 U | 670 U |
| N-NITROSO-DI-N-PROPYLAMINE | 800 U | | 0.861 | -3.1 | | 670 U | 670 U |
| N-NITROSODIPHENYLAMINE | 800 U | | 0.365 | -3.7 | | 670 U | 670 U |
| NAPHTHALENE | 800 U | | 1.139 | -6.9 | | 670 U | 670 U |
| NITROBENZENE | 800 U | | 0.395 | -0.3 | | 670 U | 670 U |
| NITROBENZENE-D5 | | | 0.204 | -2 | | | |
| PENTACHLOROPHENOL | 3900 U | | 0.079 | 23.3 | | 3200 U | 3200 U |
| PHENANTHRENE | 800 U | | 1.149 | -1.4 | | 670 U | 670 U |
| PHENOL | 800 U | | 1.956 | -5 | | 670 U | 57 BJ |
| PHENOL-D5 | | | 1.471 | -1.2 | | | |
| PYRENE | 800 U | | 0.944 | 14.3 | | 670 U | 670 U |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA DRAINFIELD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | CFA DRAINFIELD | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301034B | IN0822885 | IN0822887 | IN0822887 | IN0822888 | IN301045B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| TERPHENYL-D14 | | | 1.09 | -1.5 | | | |
| 1,2-DICHLOROBENZENE | 800 U | | 1.585 | -1.3 | | 670 U | 670 U |
| 1,2,4-TRICHLOROBENZENE | 800 U | | 0.332 | 1.8 | | 670 U | 670 U |
| 1,3-DICHLOROBENZENE | 800 U | | 1.609 | -0.6 | | 670 U | 670 U |
| 1,4-DICHLOROBENZENE | 800 U | | 1.701 | -1.1 | | 670 U | 670 U |
| 2-CHLORONAPHTHALENE | 800 U | | 1.272 | -1 | | 670 U | 670 U |
| 2-CHLOROPHENOL | 800 U | | 1.399 | 0 | | 670 U | 670 U |
| 2-FLUOROBIPHENYL | | | 1.371 | -4.3 | | | |
| 2-FLUOROPHENOL | | | 1.309 | 0.5 | | | |
| 2-METHYLNAPHTHALENE | 800 U | | 0.723 | 2.3 | | 670 U | 670 U |
| 2-METHYLPHENOL | 800 U | | 1.299 | 1.6 | | 670 U | 670 U |
| 2-NITROANILINE | 3900 U | | 0.322 | 6.7 | | 3200 U | 3200 U |
| 2-NITROPHENOL | 800 U | | 0.209 | 3.2 | | 670 U | 670 U |
| 2,4-DICHLOROPHENOL | 800 U | | 0.264 | 6.7 | | 670 U | 670 U |
| 2,4-DIMETHYLPHENOL | 800 U | | 0.284 | 0.4 | | 670 U | 670 U |
| 2,4-DINITROPHENOL | 3900 U | | 0.087 | 54.2 | | 3200 U | 3200 U |
| 2,4-DINITROTOLUENE | 800 U | | 0.323 | 18.2 | | 670 U | 670 U |
| 2,4,5-TRICHLOROPHENOL | 3900 U | | 0.341 | 1.7 | | 3200 U | 3200 U |
| 2,4,6-TRIBROMOPHENOL | | | 0.085 | 1.2 | | | |
| 2,4,6-TRICHLOROPHENOL | 800 U | | 0.349 | 5.9 | | 670 U | 670 U |
| 2,6-DINITROTOLUENE | 800 U | | 0.295 | 5.8 | | 670 U | 670 U |
| 3-NITROANILINE | 3900 U | | 0.277 | 16.1 | | 3200 U | 3200 U |
| 3,3'-DICHLOROBENZIDINE | 1600 U | | 0.6 | -47.8 | | 1300 U | 1300 U |
| 4-BROMOPHENYL-PHENYLETHER | 800 U | | 0.226 | -6.1 | | 670 U | 670 U |
| 4-CHLORO-3-METHYLPHENOL | 800 U | | 0.258 | 3.7 | | 670 U | 670 U |
| 4-CHLOROANILINE | 800 U | | 0.133 | 13.1 | | 670 U | 670 U |
| 4-CHLOROPHENYL-PHENYLETHER | 800 U | | 0.601 | 8.1 | | 670 U | 670 U |
| 4-METHYLPHENOL | 800 U | | 1.306 | 2.8 | | 670 U | 670 U |
| 4-NITROANILINE | 3900 U | | 0.19 | 37.1 | | 3200 U | 3200 U |
| 4-NITROPHENOL | 3900 U | | 0.062 | 24.4 | | 3200 U | 3200 U |
| 4,6-DINITRO-2-METHYLPHENOL | 3900 U | | 0.154 | 36.9 | | 3200 U | 3200 U |
| SURR 1(NBZ) %RECOVERY | 42 | | | | | 42 | 34 |
| SURR 2(FBP) %RECOVERY | 43 | | | | | 41 | 33 |
| SURR 3(TPH) %RECOVERY | 42 | | | | | 47 | 39 |
| SURR 4(PHL) %RECOVERY | 46 | | | | | 45 | 34 |
| SURR 5(2FP) %RECOVERY | 43 | | | | | 46 | 33 |
| SURR 6(TBP) %RECOVERY | 34 | | | | | 36 | 24 |

M/E 51

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA DRAINFIELD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | CFA DRAINFIELD | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301034B | IN0822885 | IN0822887 | IN0822887 | IN0822888 | IN301045B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| M/E 68-1 | | 0 | | | | | |
| M/E 68-2 | | 0 | | | | | |
| M/E 69 | | 42 | | | | | |
| M/E 70-1 | | 0 | | | | | |
| M/E 70-2 | | 0 | | | | | |
| M/E 127 | | 42 | | | | | |
| M/E 197 | | 0 | | | | | |
| M/E 198 | | 100 | | | | | |
| M/E 199 | | 6.5 | | | | | |
| M/E 275 | | 18 | | | | | |
| M/E 365 | | 1.2 | | | | | |
| M/E 441 | | 5.7 | | | | | |
| M/E 442 | | 51 | | | | | |
| M/E 443-1 | | 9.7 | | | | | |
| M/E 443-2 | | 19 | | | | | |
| INTERNAL STD AREA(ANT) | 91300 | | | | 86600 | 97300 | 89700 |
| INTERNAL STD AREA(CRY) | 71500 | | | | 57400 | 75200 | 62300 |
| INTERNAL STD AREA(DCB) | 49500 | | | | 48900 | 54900 | 50600 |
| INTERNAL STD AREA(NPT) | 171000 | | | | 176000 | 190000 | 169000 |
| INTERNAL STD AREA(PHN) | 128000 | | | | 105000 | 140000 | 124000 |
| INTERNAL STD AREA(PRY) | 46300 | | | | 29100 | 48900 | 30800 |
| DILUTION FACTOR | 0.5 | | | | | 0.5 | 0.5 |
| PERCENT MOISTURE | 18 | | | | | 2 | 2 |
| ACTUAL(ALLOWED) EXTRACT TIME | 14(14 D) | | | | | 14(14 D) | 14(14 D) |

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA DRAINFIELD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301067B | IN0823885 | IN0823887 | IN0823887 | IN0823888 | SBK08238 | IN301078B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | | 1 |
| ACENAPHTHENE | 770 U | | 1.128 | 2.3 | | 660 U | 660 U |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | CFA |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | DRAINFIELD |
| SAMPLE NUMBER | IN301067B | IN0823885 | IN0823887 | IN0823887 | IN0823888 | SBK08238 | IN301078B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | | 1 |
| ACENAPHTHYLENE | 770 U | | 1.809 | 0.6 | | 660 U | 660 U |
| ANTHRACENE | 770 U | | 1.145 | -1.8 | | 660 U | 660 U |
| BENZO(A)ANTHRACENE | 770 U | | 1.233 | -0.3 | | 660 U | 660 U |
| BENZO(A)PYRENE | 770 U | | 1.507 | -12.8 | | 660 U | 660 U |
| BENZO(B)FLUORANTHENE | 770 U | | 1.655 | -5.4 | | 660 U | 660 U |
| BENZO(G,H,I)PERYLENE | 770 U | | 0.947 | -17.9 | | 660 U | 660 U |
| BENZO(K)FLUORANTHENE | 770 U | | 1.729 | -12.5 | | 660 U | 660 U |
| BENZOIC ACID | 3700 U | | 0.061 | 46 | | 3200 U | 3200 U |
| BENZYL ALCOHOL | 770 U | | 0.869 | 4.6 | | 660 U | 660 U |
| BIS(2-CHLOROETHOXY)METHANE | 770 U | | 0.483 | -0.8 | | 660 U | 660 U |
| BIS(2-CHLOROETHYL)ETHER | 770 U | | 1.741 | -1 | | 660 U | 660 U |
| BIS(2-CHLOROISOPROPYL)ETHER | 770 U | | 2.808 | -1.6 | | 660 U | 660 U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 210 BJ | | 0.931 | 3.5 | | 80 BJ | 61 BJ |
| BUTYLBENZYLPHTHALATE | 770 U | | 0.684 | 6 | | 660 U | 660 U |
| CHRYSENE | 770 U | | 1.157 | -1 | | 660 U | 660 U |
| DI-N-BUTYLPHTHALATE | 240 BJ | | 1.238 | -3.2 | | 240 BJ | 220 BJ |
| DI-N-OCTYLPHTHALATE | 770 U | | 2.559 | 0.5 | | 660 U | 660 U |
| DIBENZ(A,H)ANTHRACENE | 770 U | | 1.08 | -18.8 | | 660 U | 660 U |
| DIBENZOFURAN | 770 U | | 1.636 | 2.3 | | 660 U | 660 U |
| DIETHYLPHTHALATE | 770 U | | 1.06 | 8.1 | | 660 U | 660 U |
| DIMETHYLPHTHALATE | 770 U | | 1.178 | 2.9 | | 660 U | 660 U |
| FLUORANTHENE | 770 U | | 1.058 | 4.6 | | 660 U | 660 U |
| FLUORENE | 770 U | | 1.305 | 5 | | 660 U | 660 U |
| HEXACHLOROBENZENE | 770 U | | 0.217 | 0 | | 660 U | 660 U |
| HEXACHLOROBUTADIENE | 770 U | | 0.155 | 1.9 | | 660 U | 660 U |
| HEXACHLOROCYCLOPENTADIENE | 770 U | | 0.287 | 9.2 | | 660 U | 660 U |
| HEXACHLOROETHANE | 770 U | | 0.598 | -1.2 | | 660 U | 660 U |
| INDENO(1,2,3-CD)PYRENE | 770 U | | 0.968 | -5.2 | | 660 U | 660 U |
| ISOPHORONE | 770 U | | 0.802 | -3.9 | | 660 U | 660 U |
| N-NITROSO-DI-N-PROPYLAMINE | 770 U | | 0.862 | -3.2 | | 660 U | 660 U |
| N-NITROSODIPHENYLAMINE | 770 U | | 0.378 | -7.4 | | 660 U | 660 U |
| NAPHTHALENE | 770 U | | 1.141 | -7.1 | | 660 U | 660 U |
| NITROBENZENE | 770 U | | 0.392 | 0.5 | | 660 U | 660 U |
| NITROBENZENE-D5 | | | 0.203 | -1.5 | | | |
| PENTACHLOROPHENOL | 3700 U | | 0.081 | 21.4 | | 3200 U | 3200 U |
| PHENANTHRENE | 770 U | | 1.145 | -1.1 | | 660 U | 660 U |
| PHENOL | 37 BJ | | 1.977 | -6.2 | | 35 BJ | 42 BJ |
| PHENOL-D5 | | | 1.487 | -2.3 | | | |
| PYRENE | 770 U | | 1.057 | 4 | | 660 U | 660 U |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA DRAINFIELD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301067B | IN0823885 | IN0823887 | IN0823887 | IN0823888 | SBK08238 | IN301078B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | | 1 |
| TERPHENYL-D14 | | | 0.993 | 7.5 | | 660 U | 660 U |
| 1,2-DICHLOROBENZENE | 770 U | | 1.586 | -1.3 | | 660 U | 660 U |
| 1,2,4-TRICHLOROBENZENE | 770 U | | 0.334 | 1.2 | | 660 U | 660 U |
| 1,3-DICHLOROBENZENE | 770 U | | 1.612 | -0.8 | | 660 U | 660 U |
| 1,4-DICHLOROBENZENE | 770 U | | 1.7 | -1 | | 660 U | 660 U |
| 2-CHLORONAPHTHALENE | 770 U | | 1.251 | 0.6 | | 660 U | 660 U |
| 2-CHLOROPHENOL | 770 U | | 1.391 | 0.6 | | | |
| 2-FLUOROBIPHENYL | | | 1.352 | -2.8 | | | |
| 2-FLUOROPHENOL | | | 1.315 | 0.1 | | 660 U | 660 U |
| 2-METHYLNAPHTHALENE | 770 U | | 0.754 | -1.9 | | 660 U | 660 U |
| 2-METHYLPHENOL | 770 U | | 1.321 | -0.1 | | 3200 U | 3200 U |
| 2-NITROANILINE | 3700 U | | 0.325 | 5.8 | | 660 U | 660 U |
| 2-NITROPHENOL | 770 U | | 0.211 | 2.3 | | 660 U | 660 U |
| 2,4-DICHLOROPHENOL | 770 U | | 0.273 | 3.5 | | 660 U | 660 U |
| 2,4-DIMETHYLPHENOL | 770 U | | 0.286 | -0.4 | | 3200 U | 3200 U |
| 2,4-DINITROPHENOL | 3700 U | | 0.103 | 45.8 | | 660 U | 660 U |
| 2,4-DINITROTOLUENE | 770 U | | 0.337 | 14.7 | | 3200 U | 3200 U |
| 2,4,5-TRICHLOROPHENOL | 3700 U | | 0.338 | 2.6 | | | |
| 2,4,6-TRIBROMOPHENOL | | | 0.088 | -2.3 | | 660 U | 660 U |
| 2,4,6-TRICHLOROPHENOL | 770 U | | 0.346 | 6.7 | | 660 U | 660 U |
| 2,6-DINITROTOLUENE | 770 U | | 0.293 | 6.4 | | 3200 U | 3200 U |
| 3-NITROANILINE | 3700 U | | 0.285 | 13.6 | | 1300 U | 1300 U |
| 3,3'-DICHLOROBENZIDINE | 1500 U | | 0.688 | -69.5 | | 660 U | 660 U |
| 4-BROMOPHENYL-PHENYLETHER | 770 U | | 0.218 | -2.3 | | 660 U | 660 U |
| 4-CHLORO-3-METHYLPHENOL | 770 U | | 0.262 | 2.2 | | 660 U | 660 U |
| 4-CHLOROANILINE | 770 U | | 0.128 | 16.3 | | 660 U | 660 U |
| 4-CHLOROPHENYL-PHENYLETHER | 770 U | | 0.614 | 6.1 | | 660 U | 660 U |
| 4-METHYLPHENOL | 770 U | | 1.342 | 0.1 | | 3200 U | 3200 U |
| 4-NITROANILINE | 3700 U | | 0.21 | 30.5 | | 3200 U | 3200 U |
| 4-NITROPHENOL | 3700 U | | 0.051 | 37.8 | | 3200 U | 3200 U |
| 4,6-DINITRO-2-METHYLPHENOL | 3700 U | | 0.171 | 29.9 | | | |
| SURR 1(NBZ) %RECOVERY | 40 | | | | | 47 | 43 |
| SURR 2(FBP) %RECOVERY | 38 | | | | | 44 | 43 |
| SURR 3(TPH) %RECOVERY | 44 | | | | | 53 | 51 |
| SURR 4(PHL) %RECOVERY | 42 | | | | | 48 | 45 |
| SURR 5(2FP) %RECOVERY | 43 | | | | | 51 | 42 |
| SURR 6(TBP) %RECOVERY | 34 | | | | | 37 | 26 |

M/E 51

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | CFA |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | DRAINFIELD |
| SAMPLE NUMBER | IN301067B | IN0823885 | IN0823887 | IN0823887 | IN0823888 | SBK08238 | IN301078B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | | 1 |
| M/E 68-1 | | 0 | | | | | |
| M/E 68-2 | | 0 | | | | | |
| M/E 69 | | 42 | | | | | |
| M/E 70-1 | | 0 | | | | | |
| M/E 70-2 | | 0 | | | | | |
| M/E 127 | | 42 | | | | | |
| M/E 197 | | 0 | | | | | |
| M/E 198 | | 100 | | | | | |
| M/E 199 | | 6.6 | | | | | |
| M/E 275 | | 17 | | | | | |
| M/E 365 | | 1.4 | | | | | |
| M/E 441 | | 5.8 | | | | | |
| M/E 442 | | 51 | | | | | |
| M/E 443-1 | | 8.4 | | | | | |
| M/E 443-2 | | 16 | | | | | |
| INTERNAL STD AREA(ANT) | 97100 | | | | 86800 | 90400 | 101000 |
| INTERNAL STD AREA(CRY) | 80200 | | | | 76500 | 77300 | 75100 |
| INTERNAL STD AREA(DCB) | 53900 | | | | 44900 | 49900 | 56600 |
| INTERNAL STD AREA(NPT) | 183000 | | | | 166000 | 167000 | 194000 |
| INTERNAL STD AREA(PHN) | 139000 | | | | 111000 | 128000 | 141000 |
| INTERNAL STD AREA(PRY) | 43100 | | | | 44800 | 46000 | 49700 |
| DILUTION FACTOR | 0.5 | | | | | 0.5 | 0.5 |
| PERCENT MOISTURE | 16 | | | | | | 1 |
| ACTUAL(ALLOWED) EXTRACT TIME | 14(14 D) | | | | | | 13(14 D) |

| AREA | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | MATRIX |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | SPIKE |
| SAMPLE NUMBER | IN301089B | IN0825885 | IN0825887 | IN0825887 | IN0825888 | IN301090B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| ACENAPHTHENE | 670 U | | 1.139 | 1.3 | | 770 U | 5050 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA DRAINFIELD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | CFA DRAINFIELD | MATRIX SPIKE |
| TYPE OF LOCATION | IN301089B | IN0825885 | IN0825887 | IN0825887 | IN0825888 | IN301090B | IN301056B |
| SAMPLE NUMBER | SOIL | | | | | SOIL | SOIL |
| MATRIX | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| UNITS | 1 | | | | | 1 | 1 |
| ENV PROBLEM NO | | | | | | | |
| ACENAPHTHYLENE | 670 U | | 1.836 | -0.9 | | 770 U | 670 U |
| ANTHRACENE | 670 U | | 1.135 | -0.9 | | 770 U | 670 U |
| BENZO(A)ANTHRACENE | 670 U | | 1.22 | 0.7 | | 770 U | 670 U |
| BENZO(A)PYRENE | 670 U | | 1.563 | -17 | | 770 U | 670 U |
| BENZO(B)FLUORANTHENE | 670 U | | 1.733 | -10.4 | | 770 U | 670 U |
| BENZO(G,H,I)PERYLENE | 670 U | | 0.837 | -4.2 | | 770 U | 670 U |
| BENZO(K)FLUORANTHENE | 670 U | | 1.99 | -29.5 | | 770 U | 670 U |
| BENZOIC ACID | 3200 U | | 0.069 | 38.9 | | 3700 U | 670 U |
| BENZYL ALCOHOL | 670 U | | 0.827 | 9.2 | | 770 U | 670 U |
| BIS(2-CHLOROETHOXY)METHANE | 670 U | | 0.489 | -2.1 | | 770 U | 670 U |
| BIS(2-CHLOROETHYL)ETHER | 670 U | | 1.733 | -0.5 | | 770 U | 670 U |
| BIS(2-CHLOROISOPROPYL)ETHER | 670 U | | 2.803 | -1.4 | | 770 U | 670 U |
| BIS(2-ETHYLHEXYL)PHTHALATE | 64 BJ | | 0.902 | 6.5 | | 650 BJ | 100 BJ |
| BUTYLBENZYLPHTHALATE | 170 J | | 0.721 | 1 | | 770 U | 670 U |
| CHRYSENE | 670 U | | 1.162 | -1.5 | | 770 U | 670 U |
| DI-N-BUTYLPHTHALATE | 620 BJ | | 1.161 | 3.3 | | 470 BJ | 150 BJ |
| DI-N-OCTYLPHTHALATE | 670 U | | 2.689 | -4.5 | | 580 J | 670 U |
| DIBENZ(A,H)ANTHRACENE | 670 U | | 0.935 | -2.9 | | 770 U | 670 U |
| DIBENZOFURAN | 670 U | | 1.643 | 1.9 | | 770 U | 670 U |
| DIETHYLPHTHALATE | 33 J | | 1.087 | 5.8 | | 770 U | 670 U |
| DIMETHYLPHTHALATE | 670 U | | 1.213 | 0 | | 770 U | 670 U |
| FLUORANTHENE | 670 U | | 0.982 | 11.5 | | 770 U | 670 U |
| FLUORENE | 670 U | | 1.331 | 3.1 | | 770 U | 670 U |
| HEXACHLOROBENZENE | 670 U | | 0.219 | -0.9 | | 770 U | 670 U |
| HEXACHLOROBUTADIENE | 670 U | | 0.157 | 0.6 | | 770 U | 670 U |
| HEXACHLOROCYCLOPENTADIENE | 670 U | | 0.295 | 6.6 | | 770 U | 670 U |
| HEXACHLOROETHANE | 670 U | | 0.603 | -2 | | 770 U | 670 U |
| INDENO(1,2,3-CD)PYRENE | 670 U | | 1.126 | -22.4 | | 770 U | 670 U |
| ISOPHORONE | 670 U | | 0.814 | -5.4 | | 770 U | 670 U |
| N-NITROSO-DI-N-PROPYLAMINE | 670 U | | 0.866 | -3.7 | | 770 U | 4450 |
| N-NITROSODIPHENYLAMINE | 670 U | | 0.383 | -8.8 | | 770 U | 670 U |
| NAPHTHALENE | 670 U | | 1.143 | -7.3 | | 770 U | 670 U |
| NITROBENZENE | 670 U | | 0.399 | -1.3 | | 770 U | 670 U |
| NITROBENZENE-D5 | | | 0.207 | -3.5 | | | |
| PENTACHLOROPHENOL | 3200 U | | 0.086 | 16.5 | | 3700 U | 14100 |
| PHENANTHRENE | 670 U | | 1.13 | 0.3 | | 770 U | 670 U |
| PHENOL | 670 U | | 1.939 | -4.1 | | 38 BJ | 10600 B |
| PHENOL-D5 | | | 1.468 | -1 | | | |
| PYRENE | 670 U | | 0.946 | 14.1 | | 770 U | 6670 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | MATRIX |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | SPIKE |
| SAMPLE NUMBER | IN301089B | IN0825885 | IN0825887 | IN0825887 | IN0825888 | IN301090B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| TERPHENYL-D14 | | | 1.123 | -4.6 | | | |
| 1,2-DICHLOROBENZENE | 670 U | | 1.569 | -0.3 | | 770 U | 670 U |
| 1,2,4-TRICHLOROBENZENE | 670 U | | 0.333 | 1.5 | | 770 U | 5310 |
| 1,3-DICHLOROBENZENE | 670 U | | 1.616 | -1 | | 770 U | 670 U |
| 1,4-DICHLOROBENZENE | 670 U | | 1.696 | -0.8 | | 770 U | 5170 |
| 2-CHLORONAPHTHALENE | 670 U | | 1.268 | -0.7 | | 770 U | 670 U |
| 2-CHLOROPHENOL | 670 U | | 1.394 | 0.4 | | 770 U | 10900 |
| 2-FLUOROBIPHENYL | | | 1.382 | -5.1 | | | |
| 2-FLUOROPHENOL | | | 1.315 | 0.1 | | | |
| 2-METHYLNAPHTHALENE | 670 U | | 0.737 | 0.4 | | 770 U | 670 U |
| 2-METHYLPHENOL | 670 U | | 1.299 | 1.6 | | 770 U | 670 U |
| 2-NITROANILINE | 3200 U | | 0.334 | 3.2 | | 3700 U | 670 U |
| 2-NITROPHENOL | 670 U | | 0.21 | 2.8 | | 770 U | 670 U |
| 2,4-DICHLOROPHENOL | 670 U | | 0.266 | 6 | | 770 U | 670 U |
| 2,4-DIMETHYLPHENOL | 670 U | | 0.287 | -0.7 | | 770 U | 670 U |
| 2,4-DINITROPHENOL | 3200 U | | 0.095 | 50 | | 3700 U | 670 U |
| 2,4-DINITROTOLUENE | 670 U | | 0.338 | 14.4 | | 770 U | 5770 |
| 2,4,5-TRICHLOROPHENOL | 3200 U | | 0.35 | -0.9 | | 3700 U | 670 U |
| 2,4,6-TRIBROMOPHENOL | | | 0.086 | 0 | | | |
| 2,4,6-TRICHLOROPHENOL | 670 U | | 0.354 | 4.6 | | 770 U | 670 U |
| 2,6-DINITROTOLUENE | 670 U | | 0.302 | 3.5 | | 770 U | 670 U |
| 3-NITROANILINE | 3200 U | | 0.281 | 14.9 | | 3700 U | 3200 U |
| 3,3'-DICHLOROBENZIDINE | 1300 U | | 0.569 | -40.2 | | 1500 U | 1300 U |
| 4-BROMOPHENYL-PHENYLETHER | 670 U | | 0.223 | -4.7 | | 770 U | 670 U |
| 4-CHLORO-3-METHYLPHENOL | 670 U | | 0.265 | 1.1 | | 770 U | 10700 |
| 4-CHLOROANILINE | 670 U | | 0.126 | 17.7 | | 770 U | 670 U |
| 4-CHLOROPHENYL-PHENYLETHER | 670 U | | 0.619 | 5.4 | | 770 U | 670 U |
| 4-METHYLPHENOL | 670 U | | 1.321 | 1.7 | | 770 U | 670 U |
| 4-NITROANILINE | 3200 U | | 0.183 | 39.4 | | 3700 U | 670 U |
| 4-NITROPHENOL | 3200 U | | 0.068 | 17.1 | | 3700 U | 9520 |
| 4,6-DINITRO-2-METHYLPHENOL | 3200 U | | 0.161 | 34 | | 3700 U | 670 U |
| SURR 1(NBZ) %RECOVERY | 34 | | | | | 35 | 41 |
| SURR 2(FBP) %RECOVERY | 33 | | | | | 35 | 39 |
| SURR 3(TPH) %RECOVERY | 41 | | | | | 42 | 41 |
| SURR 4(PHL) %RECOVERY | 39 | | | | | 38 | 46 |
| SURR 5(2FP) %RECOVERY | 42 | | | | | 39 | 44 |
| SURR 6(TBP) %RECOVERY | 32 | | | | | 28 | 37 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | CFA | MATRIX |
| TYPE OF LOCATION | DRAINFIELD | CALIBRATION | CALIBRATION | CAL %D | SHIFT | DRAINFIELD | SPIKE |
| SAMPLE NUMBER | IN301089B | IN0825885 | IN0825887 | IN0825887 | IN0825888 | IN301090B | IN301056B |
| MATRIX | SOIL | | | | | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 1 | 1 |
| M/E 68-1 | | 0 | | | | | |
| M/E 68-2 | | 0 | | | | | |
| M/E 69 | | 44 | | | | | |
| M/E 70-1 | | 0 | | | | | |
| M/E 70-2 | | 0 | | | | | |
| M/E 127 | | 44 | | | | | |
| M/E 197 | | 0 | | | | | |
| M/E 198 | | 100 | | | | | |
| M/E 199 | | 6.4 | | | | | |
| M/E 275 | | 18 | | | | | |
| M/E 365 | | 1.4 | | | | | |
| M/E 441 | | 5.7 | | | | | |
| M/E 442 | | 51 | | | | | |
| M/E 443-1 | | 10 | | | | | |
| M/E 443-2 | | 19 | | | | | |
| INTERNAL STD AREA(ANT) | 96600 | | | | 81500 | 91200 | 92000 |
| INTERNAL STD AREA(CRY) | 86900 | | | | 54500 | 65800 | 77600 |
| INTERNAL STD AREA(DCB) | 52200 | | | | 45700 | 49700 | 50600 |
| INTERNAL STD AREA(NPT) | 178000 | | | | 163000 | 169000 | 174000 |
| INTERNAL STD AREA(PHN) | 140000 | | | | 104000 | 126000 | 123000 |
| INTERNAL STD AREA(PRY) | 51900 | | | | 26100 | 27000 | 38400 |
| DILUTION FACTOR | 0.5 | | | | | 0.5 | 0.5 |
| PERCENT MOISTURE | 2 | | | | | 15 | 2 |
| ACTUAL(ALLOWED) EXTRACT TIME | 13(14 D) | | | | | 13(14 D) | 14(14 D) |

| AREA | QA | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN301056B | IN301056B | IN301056B | IN301056B |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 |
| ACENAPHTHENE | 75 | 16 | 4300 | 64 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | | |
| SAMPLE NUMBER | IN301056B | IN301056B | IN301056B | IN301056B |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 |
| ACENAPHTHYLENE | | | 670 U | |
| ANTHRACENE | | | 670 U | |
| BENZO(A)ANTHRACENE | | | 670 U | |
| BENZO(A)PYRENE | | | 670 U | |
| BENZO(B)FLUORANTHENE | | | 670 U | |
| BENZO(G,H,I)PERYLENE | | | 670 U | |
| BENZO(K)FLUORANTHENE | | | 670 U | |
| BENZOIC ACID | | | 670 U | |
| BENZYL ALCOHOL | | | 670 U | |
| BIS(2-CHLOROETHOXY)METHANE | | | 670 U | |
| BIS(2-CHLOROETHYL)ETHER | | | 670 U | |
| BIS(2-CHLOROISOPROPYL)ETHER | | | 670 U | |
| BIS(2-ETHYLHEXYL)PHTHALATE | | | 100 BJ | |
| BUTYLBENZYLPHTHALATE | | | 670 U | |
| CHRYSENE | | | 670 U | |
| DI-N-BUTYLPHTHALATE | | | 150 BJ | |
| DI-N-OCTYLPHTHALATE | | | 670 U | |
| DIBENZ(A,H)ANTHRACENE | | | 670 U | |
| DIBENZOFURAN | | | 670 U | |
| DIETHYLPHTHALATE | | | 670 U | |
| DIMETHYLPHTHALATE | | | 670 U | |
| FLUORANTHENE | | | 670 U | |
| FLUORENE | | | 670 U | |
| HEXACHLOROBENZENE | | | 670 U | |
| HEXACHLOROBUTADIENE | | | 670 U | |
| HEXACHLOROCYCLOPENTADIENE | | | 670 U | |
| HEXACHLOROETHANE | | | 670 U | |
| INDENO(1,2,3-CD)PYRENE | | | 670 U | |
| ISOPHORONE | | | 670 U | |
| N-NITROSO-DI-N-PROPYLAMINE | 66 | 24 | 3480 | 52 |
| N-NITROSODIPHENYLAMINE | | | 670 U | |
| NAPHTHALENE | | | 670 U | |
| NITROBENZENE | | | 670 U | |
| NITROBENZENE-D5 | | | | |
| PENTACHLOROPHENOL | 104 | 30 | 10400 | 77 |
| PHENANTHRENE | | | 670 U | |
| PHENOL | 78 | 20 | 8690 B | 64 |
| PHENOL-D5 | | | | |
| PYRENE | 99 | 15 | 5690 | 85 |

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA |
|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | | |
| SAMPLE NUMBER | IN301056B | IN301056B | IN301056B | IN301056B |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 |
| TERPHENYL-D14 | | | | |
| 1,2-DICHLOROBENZENE | | | 670 U | |
| 1,2,4-TRICHLOROBENZENE | 79 | 16 | 4500 | 67 |
| 1,3-DICHLOROBENZENE | | | 670 U | |
| 1,4-DICHLOROBENZENE | 76 | 16 | 4350 | 65 |
| 2-CHLORONAPHTHALENE | | | 670 U | |
| 2-CHLOROPHENOL | 81 | 19 | 9020 | 67 |
| 2-FLUOROBIPHENYL | | | | |
| 2-FLUOROPHENOL | | | | |
| 2-METHYLNAPHTHALENE | | | 670 U | |
| 2-METHYLPHENOL | | | 670 U | |
| 2-NITROANILINE | | | 670 U | |
| 2-NITROPHENOL | | | 670 U | |
| 2,4-DICHLOROPHENOL | | | 670 U | |
| 2,4-DIMETHYLPHENOL | | | 670 U | |
| 2,4-DINITROPHENOL | | | 670 U | |
| 2,4-DINITROTOLUENE | 85 | 17 | 4860 | 72 |
| 2,4,5-TRICHLOROPHENOL | | | 670 U | |
| 2,4,6-TRIBROMOPHENOL | | | | |
| 2,4,6-TRICHLOROPHENOL | | | 670 U | |
| 2,6-DINITROTOLUENE | | | 670 U | |
| 3-NITROANILINE | | | 670 U | |
| 3,3'-DICHLOROBENZIDINE | | | 670 U | |
| 4-BROMOPHENYL-PHENYLETHER | | | 670 U | |
| 4-CHLORO-3-METHYLPHENOL | 79 | 19 | 8760 | 65 |
| 4-CHLOROANILINE | | | 670 U | |
| 4-CHLOROPHENYL-PHENYLETHER | | | 670 U | |
| 4-METHYLPHENOL | | | 670 U | |
| 4-NITROANILINE | | | 670 U | |
| 4-NITROPHENOL | 71 | 33 | 6940 | 51 |
| 4,6-DINITRO-2-METHYLPHENOL | | | 670 U | |
| SURR 1(NBZ) %RECOVERY | | | 35 | |
| SURR 2(FBP) %RECOVERY | | | 33 | |
| SURR 3(TPH) %RECOVERY | | | 36 | |
| SURR 4(PHL) %RECOVERY | | | 38 | |
| SURR 5(2FP) %RECOVERY | | | 37 | |
| SURR 6(TBP) %RECOVERY | | | 30 | |

M/E 51

TABLE D.5.2 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN301012B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % | RPD | MATRIX SPIKE | MSD % | | | |
| TYPE OF LOCATION | RECOVERY | | DUPLICATE | RECOVERY | | | |
| SAMPLE NUMBER | IN301056B | IN301056B | IN301056B | IN301056B | | | |
| MATRIX | SOIL | SOIL | SOIL | SOIL | | | |
| UNITS | % | % | UG/KG | % | | | |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 | | | |
| M/E 68-1 | | | | | | | |
| M/E 68-2 | | | | | | | |
| M/E 69 | | | | | | | |
| M/E 70-1 | | | | | | | |
| M/E 70-2 | | | | | | | |
| M/E 127 | | | | | | | |
| M/E 197 | | | | | | | |
| M/E 198 | | | | | | | |
| M/E 199 | | | | | | | |
| M/E 275 | | | | | | | |
| M/E 365 | | | | | | | |
| M/E 441 | | | | | | | |
| M/E 442 | | | | | | | |
| M/E 443-1 | | | | | | | |
| M/E 443-2 | | | | | | | |
| INTERNAL STD AREA(ANT) | | | 86900 | | | | |
| INTERNAL STD AREA(CRY) | | | 73300 | | | | |
| INTERNAL STD AREA(DCB) | | | 48100 | | | | |
| INTERNAL STD AREA(NPT) | | | 163000 | | | | |
| INTERNAL STD AREA(PHN) | | | 118000 | | | | |
| INTERNAL STD AREA(PRY) | | | 30700 | | | | |
| DILUTION FACTOR | | | 0.5 | | | | |
| PERCENT MOISTURE | | | 2 | | | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 14(14 D) | | | | |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN0816886 | IN0816886 | IN0816885 | IN0817885 | IN0817887 | IN0817887 | IN0817888 |
| SAMPLE NUMBER | | | | | | | |
| MATRIX | RRF | % | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| ACENAPHTHENE | 1.154 | 3.5 | | | 1.139 | 1.3 | |
| ACENAPHTHYLENE | 1.82 | 5 | | | 1.841 | -1.2 | |
| ANTHRACENE | 1.125 | 4.9 | | | 1.166 | -3.6 | |
| BENZO(A)ANTHRACENE | 1.229 | 3.6 | | | 1.239 | -0.8 | |
| BENZO(A)PYRENE | 1.336 | 6.5 | | | 1.515 | -13.4 | |
| BENZO(B)FLUORANTHENE | 1.57 | 6.7 | | | 1.758 | -12 | |
| BENZO(G,H,I)PERYLENE | 0.803 | 14.9 | | | 0.874 | -8.8 | |
| BENZO(K)FLUORANTHENE | 1.537 | 12.1 | | | 1.869 | -21.6 | |
| BENZOIC ACID | 0.113 | 32.4 | | | 0.071 | 37.2 | |
| BENZYL ALCOHOL | 0.911 | 2.4 | | | 0.858 | 5.8 | |
| BIS(2-CHLOROETHOXY)METHANE | 0.479 | 2.1 | | | 0.464 | 3.1 | |
| BIS(2-CHLOROETHYL)ETHER | 1.724 | 4.2 | | | 1.713 | 0.6 | |
| BIS(2-CHLOROISOPROPYL)ETHER | 2.763 | 4 | | | 2.731 | 1.2 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 0.965 | 13.2 | | | 0.853 | 11.6 | |
| BUTYLBENZYLPHTHALATE | 0.728 | 9.3 | | | 0.682 | 6.3 | |
| CHRYSENE | 1.145 | 5.5 | | | 1.166 | -1.8 | |
| DI-N-BUTYLPHTHALATE | 1.2 | 6.1 | | | 1.232 | -2.7 | |
| DI-N-OCTYLPHTHALATE | 2.572 | 25.4 | | | 2.586 | -0.5 | |
| DIBENZ(A,H)ANTHRACENE | 0.909 | 12 | | | 0.99 | -8.9 | |
| DIBENZOFURAN | 1.674 | 4 | | | 1.646 | 1.7 | |
| DIETHYLPHTHALATE | 1.154 | 3.7 | | | 1.06 | 8.1 | |
| DIMETHYLPHTHALATE | 1.213 | 8.4 | | | 1.177 | 3 | |
| FLUORANTHENE | 1.109 | 2.8 | | | 1.101 | 0.7 | |
| FLUORENE | 1.373 | 2.9 | | | 1.306 | 4.9 | |
| HEXACHLOROBENZENE | 0.217 | 4.9 | | | 0.222 | -2.3 | |
| HEXACHLOROBUTADIENE | 0.158 | 3.9 | | | 0.162 | -2.5 | |
| HEXACHLOROCYCLOPENTADIENE | 0.316 | 1.4 | | | 0.323 | -2.2 | |
| HEXACHLOROETHANE | 0.591 | 3.6 | | | 0.589 | 0.3 | |
| INDENO(1,2,3-CD)PYRENE | 0.92 | 13.4 | | | 1.081 | -17.5 | |
| ISOPHORONE | 0.772 | 7.4 | | | 0.731 | 5.3 | |
| N-NITROSO-DI-N-PROPYLAMINE | 0.835 | 3.4 | | | 0.782 | 6.3 | |
| N-NITROSODIPHENYLAMINE | 0.352 | 24.4 | | | 0.384 | -9.1 | |
| NAPHTHALENE | 1.065 | 11.8 | | | 1.132 | -6.3 | |
| NITROBENZENE | 0.394 | 1.7 | | | 0.392 | 0.5 | |
| NITROBENZENE-D5 | 0.2 | 2.3 | | | 0.21 | -5 | |
| PENTACHLOROPHENOL | 0.103 | 8.2 | | | 0.091 | 11.7 | |
| PHENANTHRENE | 1.133 | 3.9 | | | 1.139 | -0.5 | |
| PHENOL | 1.862 | 3.8 | | | 1.85 | 0.6 | |
| PHENOL-D5 | 1.454 | 0.8 | | | 1.462 | -0.6 | |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0816886 | IN0816886 | IN0816885 | IN0817885 | IN0817887 | IN0817887 | IN0817888 |
| MATRIX | | | | | | | |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| PYRENE | 1.101 | 3.2 | | | 1.094 | 0.6 | |
| TERPHENYL-D14 | 1.074 | 9.2 | | | 1.047 | 2.5 | |
| 1,2-DICHLOROBENZENE | 1.565 | 4.6 | | | 1.583 | -1.2 | |
| 1,2,4-TRICHLOROBENZENE | 0.338 | 3.7 | | | 0.343 | -1.5 | |
| 1,3-DICHLOROBENZENE | 1.6 | 4.3 | | | 1.622 | -1.4 | |
| 1,4-DICHLOROBENZENE | 1.683 | 4.6 | | | 1.701 | -1.1 | |
| 2-CHLORONAPHTHALENE | 1.259 | 4.1 | | | 1.307 | -3.8 | |
| 2-CHLOROPHENOL | 1.399 | 3.8 | | | 1.405 | -0.4 | |
| 2-FLUOROBIPHENYL | 1.315 | 1.9 | | | 1.417 | -7.8 | |
| 2-FLUOROPHENOL | 1.316 | 1 | | | 1.347 | -2.4 | |
| 2-METHYLNAPHTHALENE | 0.74 | 3.5 | | | 0.702 | 5.1 | |
| 2-METHYLPHENOL | 1.32 | 1.9 | | | 1.281 | 3 | |
| 2-NITROANILINE | 0.345 | 1.8 | | | 0.315 | 8.7 | |
| 2-NITROPHENOL | 0.216 | 2.5 | | | 0.212 | 1.9 | |
| 2,4-DICHLOROPHENOL | 0.283 | 1.6 | | | 0.268 | 5.3 | |
| 2,4-DIMETHYLPHENOL | 0.285 | 1.4 | | | 0.273 | 4.2 | |
| 2,4-DINITROPHENOL | 0.19 | 16.9 | | | 0.128 | 32.6 | |
| 2,4-DINITROTOLUENE | 0.395 | 4.9 | | | 0.353 | 10.6 | |
| 2,4,5-TRICHLOROPHENOL | 0.347 | 6.1 | | | 0.356 | -2.6 | |
| 2,4,6-TRIBROMOPHENOL | 0.086 | 3 | | | 0.087 | -1.2 | |
| 2,4,6-TRICHLOROPHENOL | 0.371 | 7 | | | 0.363 | 2.2 | |
| 2,6-DINITROTOLUENE | 0.313 | 5.4 | | | 0.306 | 2.2 | |
| 3-NITROANILINE | 0.33 | 5 | | | 0.295 | 10.6 | |
| 3,3'-DICHLOROBENZIDINE | 0.406 | 41.5 | | | 0.65 | -60.1 | |
| 4-BROMOPHENYL-PHENYLETHER | 0.213 | 4.6 | | | 0.214 | -0.5 | |
| 4-CHLORO-3-METHYLPHENOL | 0.268 | 1.1 | | | 0.232 | 13.4 | |
| 4-CHLOROANILINE | 0.153 | 5.6 | | | 0.126 | 17.7 | |
| 4-CHLOROPHENYL-PHENYLETHER | 0.654 | 2.5 | | | 0.615 | 6 | |
| 4-METHYLPHENOL | 1.344 | 2.2 | | | 1.298 | 3.4 | |
| 4-NITROANILINE | 0.302 | 8.5 | | | 0.216 | 28.5 | |
| 4-NITROPHENOL | 0.082 | 10.6 | | | 0.058 | 29.3 | |
| 4,6-DINITRO-2-METHYLPHENOL | 0.244 | 10.6 | | | 0.186 | 23.8 | |

SURR 1(NBZ) %RECOVERY
SURR 2(FBP) %RECOVERY
SURR 3(TPH) %RECOVERY
SURR 4(PHL) %RECOVERY
SURR 5(2FP) %RECOVERY
SURR 6(TBP) %RECOVERY

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN0816886 | IN0816886 | IN0816885 | IN0817885 | IN0817887 | IN0817887 | IN0817888 |
| SAMPLE NUMBER | | | | | | | |
| MATRIX | RRF | % | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| M/E 51 | | | 48 | 49 | | | |
| M/E 68-1 | | | 0 | 0 | | | |
| M/E 68-2 | | | 0 | 0 | | | |
| M/E 69 | | | 42 | 42 | | | |
| M/E 70-1 | | | 0 | 0 | | | |
| M/E 70-2 | | | 0 | 0 | | | |
| M/E 127 | | | 41 | 42 | | | |
| M/E 197 | | | 0 | 0 | | | |
| M/E 198 | | | 100 | 100 | | | |
| M/E 199 | | | 6.3 | 6.7 | | | |
| M/E 275 | | | 18 | 17 | | | |
| M/E 365 | | | 1.2 | 1.2 | | | |
| M/E 441 | | | 6.1 | 5.6 | | | |
| M/E 442 | | | 53 | 49 | | | |
| M/E 443-1 | | | 9.9 | 9.1 | | | |
| M/E 443-2 | | | 19 | 18 | | | |
| INTERNAL STD AREA(ANT) | | | | | | | 69700 |
| INTERNAL STD AREA(CRY) | | | | | | | 62700 |
| INTERNAL STD AREA(DCB) | | | | | | | 44200 |
| INTERNAL STD AREA(NPT) | | | | | | | 155000 |
| INTERNAL STD AREA(PHN) | | | | | | | 93000 |
| INTERNAL STD AREA(PRY) | | | | | | | 30200 |
| DILUTION FACTOR | | | | | | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | CFA STP CFA STP | CFA STP CFA STP | CFA STP CFA STP | CFA STP CFA STP | CONTINUING CALIBRATION | CONTINUING CAL %D |
| TYPE OF LOCATION | SBK08178 | IN523010B | IN523021C | IN523032A | IN523134A | IN0818887 | IN0818887 |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER | | |
| MATRIX | UG/L | UG/L | UG/L | UG/L | UG/L | RRF | % |
| UNITS | | 4 | 4 | 4 | 4 | | |
| ENV PROBLEM NO | | | | | | | |
| ACENAPHTHENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.148 | 0.5 |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | CFA STP | CFA STP | CFA STP | CFA STP | CONTINUING CALIBRATION | CONTINUING CAL %D |
| TYPE OF LOCATION | | CFA STP | CFA STP | CFA STP | CFA STP | | |
| SAMPLE NUMBER | SBK08178 | IN523010B | IN523021C | IN523032A | IN523134A | IN0818887 | IN0818887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | RRF | % |
| ENV PROBLEM NO | | 4 | 4 | 4 | 4 | | |
| ACENAPHTHYLENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.825 | -0.3 |
| ANTHRACENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.164 | -3.5 |
| BENZO(A)ANTHRACENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.249 | -1.6 |
| BENZO(A)PYRENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.442 | -7.9 |
| BENZO(B)FLUORANTHENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.696 | -8 |
| BENZO(G,H,I)PERYLENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.914 | -13.8 |
| BENZO(K)FLUORANTHENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.612 | -4.9 |
| BENZOIC ACID | 50 U | 16 J | 50 U | 50 U | 50 U | 0.075 | 33.6 |
| BENZYL ALCOHOL | 10 U | 10 U | 10 U | 10 U | 8 J | 0.921 | -1.1 |
| BIS(2-CHLOROETHOXY)METHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.487 | -1.7 |
| BIS(2-CHLOROETHYL)ETHER | 10 U | 10 U | 10 U | 10 U | 10 U | 1.721 | 0.2 |
| BIS(2-CHLOROISOPROPYL)ETHER | 10 U | 10 U | 10 U | 10 U | 10 U | 2.724 | 1.4 |
| BIS(2-ETHYLHEXYL)PHTHALATE | 10 U | 140 | 29 | 470 E | 10 U | 1.006 | -4.2 |
| BUTYLBENZYLPHTHALATE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.755 | -3.7 |
| CHRYSENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.172 | -2.4 |
| DI-N-BUTYLPHTHALATE | 4 BJ | 2 BJ | 4 BJ | 3 BJ | 1 BJ | 1.232 | -2.7 |
| DI-N-OCTYLPHTHALATE | 10 U | 10 U | 10 U | 2 J | 10 U | 2.829 | -10 |
| DIBENZ(A,H)ANTHRACENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.043 | -14.7 |
| DIBENZOFURAN | 10 U | 10 U | 10 U | 10 U | 10 U | 1.671 | 0.2 |
| DIETHYLPHTHALATE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.149 | 0.4 |
| DIMETHYLPHTHALATE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.238 | -2.1 |
| FLUORANTHENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.032 | 6.9 |
| FLUORENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.372 | 0.1 |
| HEXACHLOROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.212 | 2.3 |
| HEXACHLOROBUTADIENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.155 | 1.9 |
| HEXACHLOROCYCLOPENTADIENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.244 | 22.8 |
| HEXACHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.578 | 2.2 |
| INDENO(1,2,3-CD)PYRENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.951 | -3.4 |
| ISOPHORONE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.822 | -6.5 |
| N-NITROSO-DI-N-PROPYLAMINE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.878 | -5.2 |
| N-NITROSODIPHENYLAMINE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.42 | -19.3 |
| NAPHTHALENE | 10 U | 5 J | 3 J | 3 J | 10 U | 1.133 | -6.4 |
| NITROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.391 | 0.8 |
| NITROBENZENE-D5 | | | | | | 0.21 | -5 |
| PENTACHLOROPHENOL | 50 U | 50 U | 50 U | 50 U | 50 U | 0.098 | 4.9 |
| PHENANTHRENE | 10 U | 10 U | 2 J | 6 J | 10 U | 1.133 | 0 |
| PHENOL | 10 U | 4 J | 8 J | 7 J | 10 U | 1.926 | -3.4 |
| PHENOL-D5 | | | | | | 1.455 | -0.1 |
| PYRENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.993 | 9.8 |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | CFA STP | CFA STP | CFA STP | CFA STP | CONTINUING CALIBRATION | CONTINUING CAL %D |
| TYPE OF LOCATION | | CFA STP | CFA STP | CFA STP | CFA STP | | |
| SAMPLE NUMBER | SBK08178 | IN523010B | IN523021C | IN523032A | IN523134A | IN0818887 | IN0818887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | RRF | % |
| ENV PROBLEM NO | | 4 | 4 | 4 | 4 | | |
| TERPHENYL-D14 | | | | | | 1.224 | -14 |
| 1,2-DICHLOROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.544 | 1.3 |
| 1,2,4-TRICHLOROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.339 | -0.3 |
| 1,3-DICHLOROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.586 | 0.9 |
| 1,4-DICHLOROBENZENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.667 | 1 |
| 2-CHLORONAPHTHALENE | 10 U | 10 U | 10 U | 10 U | 10 U | 1.242 | 1.4 |
| 2-CHLOROPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 1.386 | 0.9 |
| 2-FLUOROBIPHENYL | | | | | | 1.33 | -1.1 |
| 2-FLUOROPHENOL | | | | | | 1.311 | 0.4 |
| 2-METHYLNAPHTHALENE | 10 U | 10 U | 8 J | 12 | 10 U | 0.765 | -3.4 |
| 2-METHYLPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 1.313 | 0.5 |
| 2-NITROANILINE | 50 U | 50 U | 50 U | 50 U | 50 U | 0.342 | 0.9 |
| 2-NITROPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 0.218 | -0.9 |
| 2,4-DICHLOROPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 0.285 | -0.7 |
| 2,4-DIMETHYLPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 0.29 | -1.8 |
| 2,4-DINITROPHENOL | 50 U | 50 U | 50 U | 50 U | 50 U | 0.134 | 29.5 |
| 2,4-DINITROTOLUENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.395 | 0 |
| 2,4,5-TRICHLOROPHENOL | 50 U | 50 U | 50 U | 50 U | 50 U | 0.361 | -4 |
| 2,4,6-TRIBROMOPHENOL | | | | | | 0.086 | 0 |
| 2,4,6-TRICHLOROPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 0.36 | 3 |
| 2,6-DINITROTOLUENE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.321 | -2.6 |
| 3-NITROANILINE | 50 U | 50 U | 50 U | 50 U | 50 U | 0.325 | 1.5 |
| 3,3'-DICHLOROBENZIDINE | 50 U | 50 U | 50 U | 50 U | 50 U | 0.695 | -71.2 |
| 4-BROMOPHENYL-PHENYLETHER | 10 U | 10 U | 10 U | 10 U | 10 U | 0.21 | 1.4 |
| 4-CHLORO-3-METHYLPHENOL | 10 U | 10 U | 10 U | 10 U | 10 U | 0.275 | -2.6 |
| 4-CHLOROANILINE | 10 U | 10 U | 10 U | 10 U | 10 U | 0.145 | 5.2 |
| 4-CHLOROPHENYL-PHENYLETHER | 10 U | 10 U | 10 U | 10 U | 10 U | 0.639 | 2.3 |
| 4-METHYLPHENOL | 10 U | 26 | 220 | 35 | 10 U | 1.354 | -0.7 |
| 4-NITROANILINE | 50 U | 50 U | 50 U | 50 U | 50 U | 0.284 | 6 |
| 4-NITROPHENOL | 50 U | 50 U | 50 U | 50 U | 50 U | 0.064 | 22 |
| 4,6-DINITRO-2-METHYLPHENOL | 50 U | 50 U | 50 U | 50 U | 50 U | 0.209 | 14.3 |
| SURR 1(NBZ) %RECOVERY | 89 | 81 | 69 | 99 | 89 | | |
| SURR 2(FBP) %RECOVERY | 85 | 85 | 60 | 92 | 87 | | |
| SURR 3(TPH) %RECOVERY | 106 | 87 | 58 | 75 | 91 | | |
| SURR 4(PHL) %RECOVERY | 38 | 19 | 45 | 49 | 24 | | |
| SURR 5(2FP) %RECOVERY | 60 | 44 | 61 | 60 | 37 | | |
| SURR 6(TBP) %RECOVERY | 84 | 63 | 91 | 80 | 49 | | |

M/E 51

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | CFA STP | CFA STP | CONTINUING | CONTINUING |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | CFA STP | CFA STP | CALIBRATION | CAL %D |
| SAMPLE NUMBER | SBK08178 | IN523010B | IN523021C | IN523032A | IN523134A | IN0818887 | IN0818887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | RRF | % |
| ENV PROBLEM NO | | 4 | 4 | 4 | 4 | | |
| M/E 68-1 | | | | | | | |
| M/E 68-2 | | | | | | | |
| M/E 69 | | | | | | | |
| M/E 70-1 | | | | | | | |
| M/E 70-2 | | | | | | | |
| M/E 127 | | | | | | | |
| M/E 197 | | | | | | | |
| M/E 198 | | | | | | | |
| M/E 199 | | | | | | | |
| M/E 275 | | | | | | | |
| M/E 365 | | | | | | | |
| M/E 441 | | | | | | | |
| M/E 442 | | | | | | | |
| M/E 443-1 | | | | | | | |
| M/E 443-2 | | | | | | | |
| INTERNAL STD AREA(ANT) | 72800 | 73200 | 89100 | 84300 | 82400 | | |
| INTERNAL STD AREA(CRY) | 62100 | 64700 | 94100 | 88800 | 76700 | | |
| INTERNAL STD AREA(DCB) | 38200 | 42700 | 46000 | 45500 | 43700 | | |
| INTERNAL STD AREA(NPT) | 133000 | 153000 | 169000 | 163000 | 157000 | | |
| INTERNAL STD AREA(PHN) | 106000 | 100000 | 133000 | 116000 | 121000 | | |
| INTERNAL STD AREA(PRY) | 45800 | 40000 | 71400 | 84300 | 59000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | 9(7 D) | 8(7 D) | 7(7 D) | 7(7 D) | | |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | TUNED | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | SHIFT | CALIBRATION | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN0818888 | IN0818885 | IN523032B | IN523032B | IN523032B | IN523032C | IN523032C |
| MATRIX | | | WATER | WATER | WATER | WATER | WATER |
| UNITS | AREA | % | UG/L | % | % | UG/L | % |
| ENV PROBLEM NO | | | 4 | 4 | 4 | 4 | 4 |
| ACENAPHTHENE | | | 74 | 67 | -3 | 69 | 69 |
| ACENAPHTHYLENE | | | 10 U | | | 10 U | |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | TUNED | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | SHIFT | CALIBRATION | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN0818888 | IN0818885 | IN523032B | IN523032B | IN523032B | IN523032C | IN523032C |
| MATRIX | | | WATER | WATER | WATER | WATER | WATER |
| UNITS | AREA | % | UG/L | % | % | UG/L | % |
| ENV PROBLEM NO | | | 4 | 4 | 4 | 4 | 4 |
| ANTHRACENE | | | 10 U | | | 10 U | |
| BENZO(A)ANTHRACENE | | | 10 U | | | 10 U | |
| BENZO(A)PYRENE | | | 10 U | | | 10 U | |
| BENZO(B)FLUORANTHENE | | | 10 U | | | 10 U | |
| BENZO(G,H,I)PERYLENE | | | 10 U | | | 10 U | |
| BENZO(K)FLUORANTHENE | | | 10 U | | | 10 U | |
| BENZOIC ACID | | | 10 U | | | 10 U | |
| BENZYL ALCOHOL | | | 10 U | | | 10 U | |
| BIS(2-CHLOROETHOXY)METHANE | | | 10 U | | | 10 U | |
| BIS(2-CHLOROETHYL)ETHER | | | 10 U | | | 10 U | |
| BIS(2-CHLOROISOPROPYL)ETHER | | | 10 U | | | 10 U | |
| BIS(2-ETHYLHEXYL)PHTHALATE | | | 470 E | | | 470 E | |
| BUTYLBENZYLPHTHALATE | | | 10 U | | | 10 U | |
| CHRYSENE | | | 10 U | | | 10 U | |
| DI-N-BUTYLPHTHALATE | | | 10 U | | | 10 U | |
| DI-N-OCTYLPHTHALATE | | | 2 J | | | 2 J | |
| DIBENZ(A,H)ANTHRACENE | | | 10 U | | | 10 U | |
| DIBENZOFURAN | | | 10 U | | | 10 U | |
| DIETHYLPHTHALATE | | | 10 U | | | 10 U | |
| DIMETHYLPHTHALATE | | | 10 U | | | 10 U | |
| FLUORANTHENE | | | 10 U | | | 10 U | |
| FLUORENE | | | 10 U | | | 10 U | |
| HEXACHLOROBENZENE | | | 10 U | | | 10 U | |
| HEXACHLOROBUTADIENE | | | 10 U | | | 10 U | |
| HEXACHLOROCYCLOPENTADIENE | | | 10 U | | | 10 U | |
| HEXACHLOROETHANE | | | 10 U | | | 10 U | |
| INDENO(1,2,3-CD)PYRENE | | | 10 U | | | 10 U | |
| ISOPHORONE | | | 10 U | | | 10 U | |
| N-NITROSO-DI-N-PROPYLAMINE | | | 78 | 70 | 1 | 69 | 69 |
| N-NITROSODIPHENYLAMINE | | | 10 U | | | 10 U | |
| NAPHTHALENE | | | 3 J | | | 3 J | |
| NITROBENZENE | | | 10 U | | | 10 U | |
| NITROBENZENE-D5 | | | | | | | |
| PENTACHLOROPHENOL | | | 168 | 76 | -5 | 159 | 80 |
| PHENANTHRENE | | | 6 J | | | 6 J | |
| PHENOL | | | 114 | 48 | 13 | 92 | 42 |
| PHENOL-D5 | | | | | | | |
| PYRENE | | | 59 | 53 | 23 | 42 | 42 |
| TERPHENYL-D14 | | | | | | | |

TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | TUNED | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | SHIFT | CALIBRATION | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN0818888 | IN0818885 | IN523032B | IN523032B | IN523032B | IN523032C | IN523032C |
| MATRIX | | | WATER | WATER | WATER | WATER | WATER |
| UNITS | AREA | % | UG/L | % | % | UG/L | % |
| ENV PROBLEM NO | | | 4 | 4 | 4 | 4 | 4 |
| 1,2-DICHLOROBENZENE | | | 10 U | | | 10 U | |
| 1,2,4-TRICHLOROBENZENE | | | 76 | 68 | -4 | 71 | 71 |
| 1,3-DICHLOROBENZENE | | | 10 U | | | 10 U | |
| 1,4-DICHLOROBENZENE | | | 73 | 65 | -7 | 70 | 70 |
| 2-CHLORONAPHTHALENE | | | 10 U | | | 10 U | |
| 2-CHLOROPHENOL | | | 193 | 87 | 6 | 163 | 82 |
| 2-FLUOROBIPHENYL | | | | | | | |
| 2-FLUOROPHENOL | | | | | | | |
| 2-METHYLNAPHTHALENE | | | 12 | | | 12 | |
| 2-METHYLPHENOL | | | 10 U | | | 10 U | |
| 2-NITROANILINE | | | 10 U | | | 10 U | |
| 2-NITROPHENOL | | | 10 U | | | 10 U | |
| 2,4-DICHLOROPHENOL | | | 10 U | | | 10 U | |
| 2,4-DIMETHYLPHENOL | | | 10 U | | | 10 U | |
| 2,4-DINITROPHENOL | | | 10 U | | | 10 U | |
| 2,4-DINITROTOLUENE | | | 70 | 63 | -11 | 70 | 70 |
| 2,4,5-TRICHLOROPHENOL | | | 10 U | | | 10 U | |
| 2,4,6-TRIBROMOPHENOL | | | | | | | |
| 2,4,6-TRICHLOROPHENOL | | | 10 U | | | 10 U | |
| 2,6-DINITROTOLUENE | | | 10 U | | | 10 U | |
| 3-NITROANILINE | | | 10 U | | | 10 U | |
| 3,3'-DICHLOROBENZIDINE | | | 10 U | | | 10 U | |
| 4-BROMOPHENYL-PHENYLETHER | | | 10 U | | | 10 U | |
| 4-CHLORO-3-METHYLPHENOL | | | 166 | 75 | 0 | 149 | 75 |
| 4-CHLOROANILINE | | | 10 U | | | 10 U | |
| 4-CHLOROPHENYL-PHENYLETHER | | | 10 U | | | 10 U | |
| 4-METHYLPHENOL | | | 35 | | | 35 | |
| 4-NITROANILINE | | | 10 U | | | 10 U | |
| 4-NITROPHENOL | | | 74 | 33 | 10 | 60 | 30 |
| 4,6-DINITRO-2-METHYLPHENOL | | | 10 U | | | 10 U | |
| SURR 1(NBZ) %RECOVERY | | | 87 | | | 91 | |
| SURR 2(FBP) %RECOVERY | | | 80 | | | 78 | |
| SURR 3(TPH) %RECOVERY | | | 49 | | | 60 | |
| SURR 4(PHL) %RECOVERY | | | 54 | | | 48 | |
| SURR 5(2FP) %RECOVERY | | | 74 | | | 64 | |
| SURR 6(TBP) %RECOVERY | | | 90 | | | 91 | |

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TABLE D.5.3 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN523010B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM SHIFT | TUNED CALIBRATION | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | IN523032B | IN523032B | IN523032B | IN523032C | IN523032C |
| SAMPLE NUMBER | IN0818888 | IN0818885 | WATER | WATER | WATER | WATER | WATER |
| MATRIX | | | UG/L | % | % | UG/L | % |
| UNITS | AREA | % | | | | | |
| ENV PROBLEM NO | | | 4 | 4 | 4 | 4 | 4 |
| M/E 68-1 | | 0 | | | | | |
| M/E 68-2 | | 0 | | | | | |
| M/E 69 | | 42 | | | | | |
| M/E 70-1 | | 0 | | | | | |
| M/E 70-2 | | 0 | | | | | |
| M/E 127 | | 41 | | | | | |
| M/E 197 | | 0 | | | | | |
| M/E 198 | | 100 | | | | | |
| M/E 199 | | 6.4 | | | | | |
| M/E 275 | | 17 | | | | | |
| M/E 365 | | 1.1 | | | | | |
| M/E 441 | | 5.6 | | | | | |
| M/E 442 | | 50 | | | | | |
| M/E 443-1 | | 8.9 | | | | | |
| M/E 443-2 | | 18 | | | | | |
| INTERNAL STD AREA(ANT) | 98100 | | 83500 | | | 78900 | |
| INTERNAL STD AREA(CRY) | 74700 | | 67300 | | | 43000 | |
| INTERNAL STD AREA(DCB) | 49200 | | 51600 | | | 45600 | |
| INTERNAL STD AREA(NPT) | 178000 | | 178000 | | | 163000 | |
| INTERNAL STD AREA(PHN) | 144000 | | 108000 | | | 102000 | |
| INTERNAL STD AREA(PRY) | 39300 | | 47500 | | | 27000 | |
| DILUTION FACTOR | | | 1 | | | 1 | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | 7(7 D) | | | 7(7 D) | |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0930886 | IN0930886 | IN0930885 | IN1003885 | IN1003887 | IN1003887 | IN1003888 |
| MATRIX | | | | | | | |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACENAPHTHENE | 0.984 | 12.5 | | | 1.104 | -12.2 | |
| ACENAPHTHYLENE | 1.55 | 11.6 | | | 1.686 | -8.8 | |
| ANTHRACENE | 0.942 | 18.5 | | | 0.996 | -5.7 | |
| BENZO(A)ANTHRACENE | 0.985 | 12.4 | | | 0.996 | -1.1 | |
| BENZO(A)PYRENE | 0.903 | 8.4 | | | 0.99 | -9.6 | |
| BENZO(B)FLUORANTHENE | 0.957 | 12.2 | | | 1.014 | -6 | |
| BENZO(G,H,I)PERYLENE | 0.665 | 22.2 | | | 0.693 | -4.2 | |
| BENZO(K)FLUORANTHENE | 0.823 | 12.6 | | | 0.87 | -5.7 | |
| BENZOIC ACID | 0.12 | 14 | | | 0.142 | -18.3 | |
| BENZYL ALCOHOL | 0.817 | 8.4 | | | 0.779 | 4.7 | |
| BIS(2-CHLOROETHOXY)METHANE | 0.403 | 8.2 | | | 0.413 | -2.5 | |
| BIS(2-CHLOROETHYL)ETHER | 2.214 | 37.2 | | | 2.406 | -8.7 | |
| BIS(2-CHLOROISOPROPYL)ETHER | 1.64 | 3.4 | | | 1.574 | 4 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1.424 | 11.6 | | | 1.667 | -17.1 | |
| BUTYLBENZYLPHTHALATE | 0.997 | 11.3 | | | 1.065 | -6.8 | |
| CHRYSENE | 0.811 | 8.1 | | | 0.818 | -0.9 | |
| DI-N-BUTYLPHTHALATE | 1.415 | 14.3 | | | 1.579 | -11.6 | |
| DI-N-OCTYLPHTHALATE | 2.519 | 8.2 | | | 2.854 | -13.3 | |
| DIBENZ(A,H)ANTHRACENE | 0.652 | 23.4 | | | 0.451 | 30.8 | |
| DIBENZOFURAN | 1.45 | 16 | | | 1.515 | -4.5 | |
| DIETHYLPHTHALATE | 1.345 | 9.4 | | | 1.469 | -9.2 | |
| DIMETHYLPHTHALATE | 1.233 | 9.4 | | | 1.31 | -6.2 | |
| FLUORANTHENE | 0.919 | 17.1 | | | 0.959 | -4.4 | |
| FLUORENE | 1.107 | 12.2 | | | 1.216 | -9.8 | |
| HEXACHLOROBENZENE | 0.179 | 17.4 | | | 0.184 | -2.8 | |
| HEXACHLOROBUTADIENE | 0.11 | 16.4 | | | 0.12 | -9.1 | |
| HEXACHLOROCYCLOPENTADIENE | 0.132 | 7 | | | 0.131 | 0.8 | |
| HEXACHLOROETHANE | 0.595 | 2.2 | | | 0.576 | 3.2 | |
| INDENO(1,2,3-CD)PYRENE | 0.655 | 39.2 | | | 0.845 | -29 | |
| ISOPHORONE | 0.651 | 4.6 | | | 0.67 | -2.9 | |
| N-NITROSO-DI-N-PROPYLAMINE | 0.921 | 1.8 | | | 0.883 | 4.1 | |
| N-NITROSODIPHENYLAMINE | 0.419 | 18.5 | | | 0.403 | 3.8 | |
| NAPHTHALENE | 0.908 | 9 | | | 0.957 | -5.4 | |
| NITROBENZENE | 0.321 | 4 | | | 0.328 | -2.2 | |
| NITROBENZENE-D5 | 0.317 | 4.1 | | | 0.313 | 1.3 | |
| PENTACHLOROPHENOL | 0.086 | 4 | | | 0.1 | -16.3 | |
| PHENANTHRENE | 0.964 | 13.7 | | | 1.004 | -4.1 | |
| PHENOL | 1.581 | 3.1 | | | 1.574 | 0.4 | |
| PHENOL-D5 | 1.202 | 3.5 | | | 1.192 | 0.8 | |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN0930886 | IN0930886 | IN0930885 | IN1003885 | IN1003887 | IN1003887 | IN1003888 |
| MATRIX | | | | | | | |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| PYRENE | 1.34 | 20.3 | | | 1.467 | -9.5 | |
| TERPHENYL-D14 | 0.745 | 11.7 | | | 0.79 | -6 | |
| 1,2-DICHLOROBENZENE | 1.308 | 7.4 | | | 1.297 | 0.8 | |
| 1,2,4-TRICHLOROBENZENE | 0.249 | 11.2 | | | 0.253 | -1.6 | |
| 1,3-DICHLOROBENZENE | 1.405 | 5.1 | | | 1.347 | 4.1 | |
| 1,4-DICHLOROBENZENE | 1.375 | 6.2 | | | 1.348 | 2 | |
| 2-CHLORONAPHTHALENE | 0.997 | 9.6 | | | 1.032 | -3.5 | |
| 2-CHLOROPHENOL | 1.319 | 2.4 | | | 1.322 | -0.2 | |
| 2-FLUOROBIPHENYL | 0.987 | 9.5 | | | 0.983 | 0.4 | |
| 2-FLUOROPHENOL | 1.202 | 3.1 | | | 1.174 | 2.3 | |
| 2-METHYLNAPHTHALENE | 0.595 | 13.9 | | | 0.616 | -3.5 | |
| 2-METHYLPHENOL | 1.055 | 5.3 | | | 1.046 | 0.9 | |
| 2-NITROANILINE | 0.371 | 2.2 | | | 0.374 | -0.8 | |
| 2-NITROPHENOL | 0.216 | 24.5 | | | 0.222 | -2.8 | |
| 2,4-DICHLOROPHENOL | 0.242 | 4.9 | | | 0.272 | -12.4 | |
| 2,4-DIMETHYLPHENOL | 0.32 | 2.7 | | | 0.334 | -4.4 | |
| 2,4-DINITROPHENOL | 0.078 | 6.9 | | | 0.081 | -3.8 | |
| 2,4-DINITROTOLUENE | 0.339 | 6.8 | | | 0.355 | -4.7 | |
| 2,4,5-TRICHLOROPHENOL | 0.262 | 7 | | | 0.306 | -16.8 | |
| 2,4,6-TRIBROMOPHENOL | 0.128 | 7.8 | | | 0.145 | -13.3 | |
| 2,4,6-TRICHLOROPHENOL | 0.271 | 8 | | | 0.288 | -6.3 | |
| 2,6-DINITROTOLUENE | 0.268 | 5.1 | | | 0.271 | -1.1 | |
| 3-NITROANILINE | 0.092 | 32 | | | 0.057 | 38 | |
| 3,3'-DICHLOROBENZIDINE | 0.15 | 13.6 | | | 0.129 | 14 | |
| 4-BROMOPHENYL-PHENYLETHER | 0.152 | 16.4 | | | 0.157 | -3.3 | |
| 4-CHLORO-3-METHYLPHENOL | 0.295 | 2.2 | | | 0.312 | -5.8 | |
| 4-CHLOROANILINE | 0.198 | 44.2 | | | 0.124 | 37.4 | |
| 4-CHLOROPHENYL-PHENYLETHER | 0.457 | 14.6 | | | 0.498 | -9 | |
| 4-METHYLPHENOL | 1.123 | 4.1 | | | 1.116 | 0.6 | |
| 4-NITROANILINE | 0.101 | 58.3 | | | 0.133 | -31.7 | |
| 4-NITROPHENOL | 0.124 | 5.1 | | | 0.131 | -5.6 | |
| 4,6-DINITRO-2-METHYLPHENOL | 0.077 | 7.8 | | | 0.076 | 1.3 | |

SURR 1(NBZ) %RECOVERY
SURR 2(FBP) %RECOVERY
SURR 3(TPH) %RECOVERY
SURR 4(PHL) %RECOVERY
SURR 5(2FP) %RECOVERY
SURR 6(TBP) %RECOVERY

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0930886 | IN0930886 | IN0930885 | IN1003885 | IN1003887 | IN1003887 | IN1003888 |
| MATRIX | | | | | | | |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| M/E 51 | | | 36 | 33 | | | |
| M/E 68-1 | | | 0 | 0 | | | |
| M/E 68-2 | | | 0 | 0 | | | |
| M/E 69 | | | 40 | 40 | | | |
| M/E 70-1 | | | 0 | 0 | | | |
| M/E 70-2 | | | 0 | 0 | | | |
| M/E 127 | | | 50 | 49 | | | |
| M/E 197 | | | 0 | 0 | | | |
| M/E 198 | | | 100 | 100 | | | |
| M/E 199 | | | 7.1 | 7.2 | | | |
| M/E 275 | | | 17 | 17 | | | |
| M/E 365 | | | 3.3 | 1.8 | | | |
| M/E 441 | | | 6.5 | 7.6 | | | |
| M/E 442 | | | 58 | 59 | | | |
| M/E 443-1 | | | 18 | 11 | | | |
| M/E 443-2 | | | 18 | 19 | | | |
| INTERNAL STD AREA(ANT) | | | | | | | 42500 |
| INTERNAL STD AREA(CRY) | | | | | | | 46900 |
| INTERNAL STD AREA(DCB) | | | | | | | 18700 |
| INTERNAL STD AREA(NPT) | | | | | | | 74400 |
| INTERNAL STD AREA(PHN) | | | | | | | 73400 |
| INTERNAL STD AREA(PRY) | | | | | | | 41500 |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | | | | | | |

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | OMRE | OMRE | OMRE | MATRIX | MS % | RPD |
| TYPE OF LOCATION | BLANK | LEACH POND | LEACH POND | LEACH POND | SPIKE | RECOVERY | |
| SAMPLE NUMBER | SBK00729 | IN801017B | IN801028B | IN801039B | IN801039B | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | 5 |
| ACENAPHTHENE | 660 U | 700 U | 720 U | 730 U | 4260 | 115 | 19 |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | MATRIX SPIKE | MS % RECOVERY | RPD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | SBK00729 | IN801017B | IN801028B | IN801039B | IN801039B | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | 5 |
| ACENAPHTHYLENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| ANTHRACENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZO(A)ANTHRACENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZO(A)PYRENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZO(B)FLUORANTHENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZO(G,H,I)PERYLENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZO(K)FLUORANTHENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BENZOIC ACID | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| BENZYL ALCOHOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BIS(2-CHLOROETHOXY)METHANE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BIS(2-CHLOROETHYL)ETHER | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BIS(2-CHLOROISOPROPYL)ETHER | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 660 U | 700 U | 720 U | 430 J | 730 U | | |
| BUTYLBENZYLPHTHALATE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| CHRYSENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DI-N-BUTYLPHTHALATE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DI-N-OCTYLPHTHALATE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DIBENZ(A,H)ANTHRACENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DIBENZOFURAN | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DIETHYLPHTHALATE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| DIMETHYLPHTHALATE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| FLUORANTHENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| FLUORENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| HEXACHLOROBENZENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| HEXACHLOROBUTADIENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| HEXACHLOROCYCLOPENTADIENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| HEXACHLOROETHANE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| INDENO(1,2,3-CD)PYRENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| ISOPHORONE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| N-NITROSO-DI-N-PROPYLAMINE | 660 U | 700 U | 720 U | 730 U | 3120 | 84 | 20 |
| N-NITROSODIPHENYLAMINE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| NAPHTHALENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| NITROBENZENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| NITROBENZENE-D5 | | | | | | | |
| PENTACHLOROPHENOL | 3200 U | 3400 U | 3500 U | 3600 U | 5850 | 79 | 18 |
| PHENANTHRENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| PHENOL | 660 U | 700 U | 720 U | 730 U | 7840 | 106 * | 19 |
| PHENOL-D5 | | | | | | | |
| PYRENE | 660 U | 700 U | 720 U | 730 U | 5440 | 147 * | 15 |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | MATRIX SPIKE | MS % RECOVERY | RPD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | SBK00729 | IN801017B | IN801028B | IN801039B | IN801039B | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | 5 |
| TERPHENYL-D14 | | | | | | | |
| 1,2-DICHLOROBENZENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 1,2,4-TRICHLOROBENZENE | 660 U | 700 U | 720 U | 730 U | 4440 | 120 * | 11 |
| 1,3-DICHLOROBENZENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 1,4-DICHLOROBENZENE | 660 U | 700 U | 720 U | 730 U | 5550 | 150 * | 16 |
| 2-CHLORONAPHTHALENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2-CHLOROPHENOL | 660 U | 700 U | 720 U | 730 U | 7330 | 99 | 20 |
| 2-FLUOROBIPHENYL | | | | | | | |
| 2-FLUOROPHENOL | | | | | | | |
| 2-METHYLNAPHTHALENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2-METHYLPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2-NITROANILINE | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| 2-NITROPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2,4-DICHLOROPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2,4-DIMETHYLPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2,4-DINITROPHENOL | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| 2,4-DINITROTOLUENE | 660 U | 700 U | 720 U | 730 U | 4110 | 111 * | 17 |
| 2,4,5-TRICHLOROPHENOL | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| 2,4,6-TRIBROMOPHENOL | | | | | | | |
| 2,4,6-TRICHLOROPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 2,6-DINITROTOLUENE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 3-NITROANILINE | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| 3,3'-DICHLOROBENZIDINE | 1300 U | 1400 U | 1400 U | 1500 U | 1500 U | | |
| 4-BROMOPHENYL-PHENYLETHER | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 4-CHLORO-3-METHYLPHENOL | 660 U | 700 U | 720 U | 730 U | 8730 | 118 * | 18 |
| 4-CHLOROANILINE | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 4-CHLOROPHENYL-PHENYLETHER | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 4-METHYLPHENOL | 660 U | 700 U | 720 U | 730 U | 730 U | | |
| 4-NITROANILINE | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| 4-NITROPHENOL | 3200 U | 3400 U | 3500 U | 3600 U | 0 | 0 * | 0 |
| 4,6-DINITRO-2-METHYLPHENOL | 3200 U | 3400 U | 3500 U | 3600 U | 3600 U | | |
| SURR 1(NBZ) %RECOVERY | 78 | 75 | 56 | 90 | 60 | | |
| SURR 2(FBP) %RECOVERY | 79 | 74 | 55 | 87 | 58 | | |
| SURR 3(TPH) %RECOVERY | 102 | 100 | 76 | 112 | 77 | | |
| SURR 4(PHL) %RECOVERY | 65 | 62 | 50 | 77 | 56 | | |
| SURR 5(2FP) %RECOVERY | 61 | 59 | 46 | 76 | 54 | | |
| SURR 6(TBP) %RECOVERY | 70 | 62 | 50 | 81 | 59 | | |

M/E 51

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | MATRIX SPIKE | MS % RECOVERY | RPD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | SBK00729 | IN801017B | IN801028B | IN801039B | IN801039B | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | 5 | 5 | 5 | 5 | 5 | 5 |
| M/E 68-1 | | | | | | | |
| M/E 68-2 | | | | | | | |
| M/E 69 | | | | | | | |
| M/E 70-1 | | | | | | | |
| M/E 70-2 | | | | | | | |
| M/E 127 | | | | | | | |
| M/E 197 | | | | | | | |
| M/E 198 | | | | | | | |
| M/E 199 | | | | | | | |
| M/E 275 | | | | | | | |
| M/E 365 | | | | | | | |
| M/E 441 | | | | | | | |
| M/E 442 | | | | | | | |
| M/E 443-1 | | | | | | | |
| M/E 443-2 | | | | | | | |
| INTERNAL STD AREA(ANT) | 27300 | 26800 | 34600 | 23700 | 35800 | | |
| INTERNAL STD AREA(CRY) | 22700 | 24100 | 30800 | 22300 | 32000 | | |
| INTERNAL STD AREA(DCB) | 13200 | 12700 | 15800 | 10500 | 15100 | | |
| INTERNAL STD AREA(NPT) | 45400 | 44200 | 57700 | 38500 | 57200 | | |
| INTERNAL STD AREA(PHN) | 44600 | 45500 | 58400 | 41300 | 57400 | | |
| INTERNAL STD AREA(PRY) | 23800 | 26200 | 32200 | 23900 | 36300 | | |
| DILUTION FACTOR | 2 | 2 | 2 | 2 | 2 | | |
| PERCENT MOISTURE | | 6 | 8 | 10 | 10 | | |
| ACTUAL(ALLOWED) EXTRACT TIME | | 9(14 D) | 9(14 D) | 11(14 D) | 11(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | | | | | |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN801039B | IN801039B | | | | | |
| MATRIX | SOIL | SOIL | | | | | |
| UNITS | UG/KG | % | | | | | |
| ENV PROBLEM NO | 5 | 5 | | | | | |
| ACENAPHTHENE | 3520 | 95 | | | | | |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | QA |
|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL |
| UNITS | UG/KG | % |
| ENV PROBLEM NO | 5 | 5 |
| ACENAPHTHYLENE | 730 U | |
| ANTHRACENE | 730 U | |
| BENZO(A)ANTHRACENE | 730 U | |
| BENZO(A)PYRENE | 730 U | |
| BENZO(B)FLUORANTHENE | 730 U | |
| BENZO(G,H,I)PERYLENE | 730 U | |
| BENZO(K)FLUORANTHENE | 730 U | |
| BENZOIC ACID | 3600 U | |
| BENZYL ALCOHOL | 730 U | |
| BIS(2-CHLOROETHOXY)METHANE | 730 U | |
| BIS(2-CHLOROETHYL)ETHER | 730 U | |
| BIS(2-CHLOROISOPROPYL)ETHER | 730 U | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 730 U | |
| BUTYLBENZYLPHTHALATE | 730 U | |
| CHRYSENE | 730 U | |
| DI-N-BUTYLPHTHALATE | 730 U | |
| DI-N-OCTYLPHTHALATE | 730 U | |
| DIBENZ(A,H)ANTHRACENE | 730 U | |
| DIBENZOFURAN | 730 U | |
| DIETHYLPHTHALATE | 730 U | |
| DIMETHYLPHTHALATE | 730 U | |
| FLUORANTHENE | 730 U | |
| FLUORENE | 730 U | |
| HEXACHLOROBENZENE | 730 U | |
| HEXACHLOROBUTADIENE | 730 U | |
| HEXACHLOROCYCLOPENTADIENE | 730 U | |
| HEXACHLOROETHANE | 730 U | |
| INDENO(1,2,3-CD)PYRENE | 730 U | |
| ISOPHORONE | 730 U | |
| N-NITROSO-DI-N-PROPYLAMINE | 2550 | 69 |
| N-NITROSODIPHENYLAMINE | 730 U | |
| NAPHTHALENE | 730 U | |
| NITROBENZENE | 730 U | |
| NITROBENZENE-D5 | | |
| PENTACHLOROPHENOL | 4920 | 66 |
| PHENANTHRENE | 730 U | |
| PHENOL | 6480 | 88 |
| PHENOL-D5 | | |
| PYRENE | 4660 | 126 |

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | QA |
|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL |
| UNITS | UG/KG | % |
| ENV PROBLEM NO | 5 | 5 |
| TERPHENYL-D14 | | |
| 1,2-DICHLOROBENZENE | 730 U | |
| 1,2,4-TRICHLOROBENZENE | 3960 | 107 |
| 1,3-DICHLOROBENZENE | 730 U | |
| 1,4-DICHLOROBENZENE | 4740 | 128 * |
| 2-CHLORONAPHTHALENE | 730 U | |
| 2-CHLOROPHENOL | 6030 | 81 |
| 2-FLUOROBIPHENYL | | |
| 2-FLUOROPHENOL | | |
| 2-METHYLNAPHTHALENE | 730 U | |
| 2-METHYLPHENOL | 730 U | |
| 2-NITROANILINE | 3600 U | |
| 2-NITROPHENOL | 730 U | |
| 2,4-DICHLOROPHENOL | 730 U | |
| 2,4-DIMETHYLPHENOL | 730 U | |
| 2,4-DINITROPHENOL | 3600 U | |
| 2,4-DINITROTOLUENE | 3490 | 94 * |
| 2,4,5-TRICHLOROPHENOL | 3600 U | |
| 2,4,6-TRIBROMOPHENOL | | |
| 2,4,6-TRICHLOROPHENOL | 730 U | |
| 2,6-DINITROTOLUENE | 730 U | |
| 3-NITROANILINE | 3600 U | |
| 3,3'-DICHLOROBENZIDINE | 1500 U | |
| 4-BROMOPHENYL-PHENYLETHER | 730 U | |
| 4-CHLORO-3-METHYLPHENOL | 7360 | 99 |
| 4-CHLOROANILINE | 730 U | |
| 4-CHLOROPHENYL-PHENYLETHER | 730 U | |
| 4-METHYLPHENOL | 730 U | |
| 4-NITROANILINE | 3600 U | |
| 4-NITROPHENOL | 0 | 0 * |
| 4,6-DINITRO-2-METHYLPHENOL | 3600 U | |
| SURR 1(NBZ) %RECOVERY | 51 | |
| SURR 2(FBP) %RECOVERY | 51 | |
| SURR 3(TPH) %RECOVERY | 64 | |
| SURR 4(PHL) %RECOVERY | 46 | |
| SURR 5(2FP) %RECOVERY | 44 | |
| SURR 6(TBP) %RECOVERY | 42 | |

M/E 51

TABLE D.5.4 INEL EXTRACTABLE ORGANICS - SDG NUMBER: IN801017B

DRAFT DO NOT CITE

| AREA | QA | QA |
|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN801039B | IN801039B |
| MATRIX | SOIL | SOIL |
| UNITS | UG/KG | % |
| ENV PROBLEM NO | 5 | 5 |
| M/E 68-1 | | |
| M/E 68-2 | | |
| M/E 69 | | |
| M/E 70-1 | | |
| M/E 70-2 | | |
| M/E 127 | | |
| M/E 197 | | |
| M/E 198 | | |
| M/E 199 | | |
| M/E 275 | | |
| M/E 365 | | |
| M/E 441 | | |
| M/E 442 | | |
| M/E 443-1 | | |
| M/E 443-2 | | |
| INTERNAL STD AREA(ANT) | 39200 | |
| INTERNAL STD AREA(CRY) | 35800 | |
| INTERNAL STD AREA(DCB) | 16100 | |
| INTERNAL STD AREA(NPT) | 59600 | |
| INTERNAL STD AREA(PHN) | 64100 | |
| INTERNAL STD AREA(PRY) | 38000 | |
| DILUTION FACTOR | 2 | |
| PERCENT MOISTURE | 10 | |
| ACTUAL(ALLOWED) EXTRACT TIME | 11(14 D) | |

TABLE D 5.5 INEL QC TIC EXTRACTABLE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTION TIME |
|---|---|---|---|---|---|
| IN301012B | | | | | |
| | IN301012B | | C26-ALKENE(38.96) | 150 J | 38.96 |
| | IN301012B | | C27-ALKENE(39.86) | 310 J | 39.86 |
| | IN301012B | | C28-ALKENE(40.19) | 340 J | 40.19 |
| | IN301012B | | C29-ALKENE(41.17) | 330 J | 41.17 |
| | IN301012B | | C30-ALKENE(42.83) | 340 J | 42.83 |
| | IN301023B | | PENTADECANE(24.09) | 140 J | 24.09 |
| | IN301023B | | PHTHALATE(42.18) | 280 J | 42.18 |
| | IN301023B | | TETRADECANE(21.87) | 50 J | 21.87 |
| | IN301023B | | UNDECANE(14.42) | 76 J | 14.42 |
| | IN301034B | | HENITRIACONTANE(43.94) | 190 J | 43.94 |
| | IN301034B | | PENTADECANE(24.07) | 190 J | 24.07 |
| | IN301045B | | C28-ALKANE(40.71) | 300 J | 40.71 |
| | IN301045B | | HENITRIACONTANE(43.99) | 790 J | 43.99 |
| | IN301045B | | UNDECANE(14.40) | 110 J | 14.40 |
| | IN301045B | | UNKNOWN HYDROCARBON(42.19) | 61 J | 42.19 |
| | IN301045B | | UNKNOWN HYDROCARBON(48.91) | 410 J | 48.91 |
| | IN301056B | | UNDECANE(14.44) | 74 J | 14.44 |
| | IN301067B | | C15-ALKANE(24.12) | 59 J | 24.12 |
| | IN301067B | | C28-ALKANE(40.74) | 130 J | 40.74 |
| | IN301067B | | HENITRIACONTANE(44.03) | 390 J | 44.03 |
| | IN301067B | | UNDECANE(14.45) | 94 J | 14.45 |
| | IN301090B | | C31-ALKANE(44.01) | 660 J | 44.01 |
| | IN301090B | 28553-12-0 | 1,2-BENZENEDICARBOXYLIC(41.83) | 190 J | 41.83 |
| | IN301090B | 28553-12-0 | 1,2-BENZENEDICARBOXYLIC(42.21) | 930 J | 42.21 |
| IN523010B | | | | | |
| | IN523010B | | C19-ALKANE(31.29) | 5.7 J | 31.29 |
| | IN523010B | | EICOSANE(32.97) | 9.4 J | 32.97 |
| | IN523010B | | NONADECANE(31.59) | 7.2 J | 31.59 |
| | IN523010B | | PENTADECANE(24.07) | 9 J | 24.07 |
| | IN523010B | | TETRADECANE(21.85) | 8 J | 21.85 |
| | IN523010B | | TRIDECANE(19.52) | 6.7 J | 19.52 |
| | IN523010B | | UNDECANE(14.40) | 35 J | 14.40 |
| | IN523010B | 109-52-4 | PENTANOIC ACID( 7.78) | 24 J | 7.78 |
| | IN523010B | 124-18-5 | DECANE(11.62) | 57 J | 11.62 |
| | IN523010B | 17301-94-9 | NONANE, 4-METHYL-(10.54) | 17 J | 10.54 |
| | IN523010B | 17302-28-2 | NONANE, 2,6-DIMETHYL-(12.27) | 21 J | 12.27 |
| | IN523010B | 2315-61-9 | ETHANOL, 2-[2-[4-(1,1,3(34.94) | 28 J | 34.94 |
| | IN523010B | 4032-93-3 | HEPTANE, 2,3,6-TRIMETHY(12.42) | 14 J | 12.42 |
| | IN523010B | 544-76-3 | HEXADECANE(26.17) | 15 J | 26.17 |
| | IN523010B | 54932-78-4 | PHENOL, 4-(2,2,3,3-TETR(26.34) | 11 J | 26.34 |
| | IN523010B | 58-08-2 | CAFFEINE(30.89) | 9.9 J | 30.89 |
| | IN523010B | 62108-25-2 | DECANE, 2,6,7-TRIMETHYL(13.42) | 17 J | 13.42 |
| | IN523010B | 629-78-7 | HEPTADECANE(28.16) | 11 J | 28.16 |
| | IN523010B | 70-55-3 | BENZENESULFONAMIDE, 4-M(27.57) | 26 J | 27.57 |

TABLE D 5.5 INEL QC TIC EXTRACTABLE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTION TIME |
|---|---|---|---|---|---|
| IN523010B | | | | | |
| | IN523010B | 78-51-3 | ETHANOL, 2-BUTOXY-, PHO(37.47) | 130 J | 37.47 |
| | IN523021C | | C13-ALKANE(17.40) | 11 J | 17.40 |
| | IN523021C | | C14-ALKANE(21.34) | 44 J | 21.34 |
| | IN523021C | | C15-ALKANE(23.25) | 29 J | 23.25 |
| | IN523021C | | C17-ALKANE(28.29) | 44 J | 28.29 |
| | IN523021C | | NONANE( 8.77) | 20 J | 8.77 |
| | IN523021C | | PENTADECANE(24.07) | 59 J | 24.07 |
| | IN523021C | | TETRADECANE(21.87) | 55 J | 21.87 |
| | IN523021C | | UNDECANE(14.40) | 65 J | 14.40 |
| | IN523021C | | UNKNOWN( 8.47) | 2.5 J | 8.47 |
| | IN523021C | 107-92-6 | BUTANOIC ACID( 7.35) | 150 J | 7.35 |
| | IN523021C | 109-52-4 | PENTANOIC ACID(12.52) | 100 J | 12.52 |
| | IN523021C | 111-14-8 | HEPTANOIC ACID(14.74) | 78 J | 14.74 |
| | IN523021C | 111-76-2 | ETHANOL, 2-BUTOXY-( 9.02) | 120 J | 9.02 |
| | IN523021C | 112-05-0 | NONANOIC ACID(19.17) | 31 J | 19.17 |
| | IN523021C | 120-72-9 | 1H-INDOLE(19.39) | 43 J | 19.39 |
| | IN523021C | 140-66-9 | PHENOL, 4-(1,1,3,3-TETR(26.36) | 15 J | 26.36 |
| | IN523021C | 142-62-1 | HEXANOIC ACID (DOT)(10.45) | 520 J | 10.45 |
| | IN523021C | 143-07-7 | DODECANOIC ACID(25.56) | 83 J | 25.56 |
| | IN523021C | 2315-61-9 | ETHANOL, 2-[2-[4-(1,1,3(34.96) | 23 J | 34.96 |
| | IN523021C | 2613-89-0 | PROPANEDIOIC ACID, PHEN(18.64) | 5.3 J | 18.64 |
| | IN523021C | 2847-72-5 | DECANE, 4-METHYL-(12.27) | 47 J | 12.27 |
| | IN523021C | 4023-39-6 | BORANAMINE, N,N,1,1-TET(11.64) | 65 J | 11.64 |
| | IN523021C | 501-52-0 | BENZENEPROPANIOC ACID(20.70) | 50 J | 20.70 |
| | IN523021C | 544-76-3 | HEXADECANE(26.17) | 59 J | 26.17 |
| | IN523021C | 57633-63-3 | 1,3,2-DIOXABOROLANE, 2,(13.02) | 41 J | 13.02 |
| | IN523021C | 62016-34-6 | OCTANE, 2,3,7-TRIMETHYL(18.87) | 81 J | 18.87 |
| | IN523021C | 629-78-7 | HEPTADECANE(28.16) | 64 J | 28.16 |
| | IN523021C | 78-51-3 | ETHANOL, 2-BUTOXY-, PHO(37.49) | 61 J | 37.49 |
| | IN523021C | 933-67-5 | 1H-INDOLE, 7-METHYL-(21.60) | 37 J | 21.60 |
| | IN523032A | | C12-ALKANE(17.44) | 38 J | 17.44 |
| | IN523032A | | C14-ALKANE(21.39) | 95 J | 21.39 |
| | IN523032A | | C15-ALKANE(23.32) | 140 J | 23.32 |
| | IN523032A | | C16-ALKENE(25.27) | 48 J | 25.27 |
| | IN523032A | | C17-ALKANE(27.21) | 100 J | 27.21 |
| | IN523032A | | C17-ALKANE(28.34) | 140 J | 28.34 |
| | IN523032A | | C18-ALKENE(29.41) | 31 J | 29.41 |
| | IN523032A | | C18-ALKENE(30.24) | 62 J | 30.24 |
| | IN523032A | | C22-ALKANE(35.37) | 56 J | 35.37 |
| | IN523032A | | C22-ALKENE(34.91) | 14 J | 34.91 |
| | IN523032A | | C24-ALKANE(37.36) | 68 J | 37.36 |
| | IN523032A | | C25-ALKANE(38.34) | 35 J | 38.34 |
| | IN523032A | | C27-ALKANE(40.71) | 41 J | 40.71 |
| | IN523032A | | C29-ALKANE(42.21) | 26 J | 42.21 |
| | IN523032A | | HENEICOSANE(34.26) | 89 J | 34.26 |
| | IN523032A | | HEXACOSANE(39.44) | 57 J | 39.44 |
| | IN523032A | | NONADECANE(31.66) | 140 J | 31.66 |

TABLE D 5.5 INEL QC TIC EXTRACTABLE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTION TIME |
|---|---|---|---|---|---|
| IN523010B | | | | | |
| | IN523032A | | TETRADECANE(21.94) | 290 J | 21.94 |
| | IN523032A | | TRICOSANE(36.39) | 64 J | 36.39 |
| | IN523032A | | TRIDECANE(19.59) | 160 J | 19.59 |
| | IN523032A | | UNDECANE(14.45) | 150 J | 14.45 |
| | IN523032A | 107-92-6 | BUTANOIC ACID( 6.92) | 31 J | 6.92 |
| | IN523032A | 112-95-8 | EICOSANE(33.02) | 130 J | 33.02 |
| | IN523032A | 17302-28-2 | NONANE, 2,6-DIMETHYL-(12.32) | 68 J | 12.32 |
| | IN523032A | 17312-53-7 | DECANE, 3,6-DIMETHYL-(13.47) | 31 J | 13.47 |
| | IN523032A | 26730-14-3 | TRIDECANE, 7-METHYL-(18.92) | 61 J | 18.92 |
| | IN523032A | 544-76-3 | HEXADECANE(26.24) | 310 J | 26.24 |
| | IN523032A | 629-78-7 | HEPTADECANE(28.22) | 280 J | 28.22 |
| | IN523032A | 78-51-3 | ETHANOL, 2-BUTOXY-,PHOS(37.52) | 53 J | 37.52 |
| | IN523032A | 871-83-0 | NONANE, 2-METHYL-(10.65) | 16 J | 10.65 |
| | IN523134A | | C10-ALKANE(11.64) | 2.4 J | 11.64 |
| | IN523134A | | C24-ALKENE(36.67) | 6.4 J | 36.67 |
| | IN523134A | | C27-ALKENE(38.91) | 3.8 J | 38.91 |
| | IN523134A | | C28-ALKENE(41.19) | 5.4 J | 41.19 |
| | IN523134A | | C33-ALKENE(45.54) | 10 J | 45.54 |
| | IN523134A | | UNDECANE(14.42) | 1.4 J | 14.42 |
| | IN523134A | | UNKNOWN HYDROCARBON(49.08) | 17 J | 49.08 |
| | IN523134A | | UNKNOWN HYDROCARBON(49.74) | 9.7 J | 49.74 |
| | IN523134A | 74381-40-1 | PROPANOIC ACID, 2-METHY(26.21) | 7.7 J | 26.21 |
| IN801017B | | | | | |
| | IN801017B | | PROBABLE C18 HYDROCARBO(22.75) | 3600 J | 22.75 |
| | IN801017B | | UNKNOWN( 8.27) | 950 J | 8.27 |
| | IN801017B | | UNKNOWN( 9.00) | 820 J | 9.00 |
| | IN801028B | | POSS 5,5-DIMETHYL-2(5H)( 8.27) | 1200 J | 8.27 |
| | IN801028B | | UNKNOWN( 9.00) | 710 J | 9.00 |
| | IN801028B | | UNKNOWN(22.73) | 770 J | 22.73 |
| | IN801039B | | POSS 5,5-DIMETHYL-2(SH)( 8.22) | 1300 J | 8.22 |
| | IN801039B | | PROBABLE C13 HYDROCARBO(19.83) | 460 J | 19.83 |
| | IN801039B | | PROBABLE C18 HYDROCARBO(22.68) | 6400 J | 22.68 |
| | IN801039B | | UNKNOWN HYDROCARBON(28.60) | 940 J | 28.60 |
| | IN801039B | | UNKNOWN HYDROCARBON(31.57) | 2900 J | 31.57 |
| | IN801039B | | UNKNOWN HYDROCARBON(35.63) | 1700 J | 35.63 |
| | IN801039B | | UNKNOWN( 7.77) | 600 J | 7.77 |
| | IN801039B | | UNKNOWN( 8.95) | 1200 J | 8.95 |
| | IN801039B | | UNKNOWN(31.68) | 1200 J | 31.68 |
| | SBK00729 | | UNKNOWN( 7.82) | 460 J | 7.82 |
| | SBK00729 | | UNKNOWN( 8.27) | 700 J | 8.27 |
| | SBK00729 | | UNKNOWN(25.53) | 710 J | 25.53 |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 1 | IN301012A | IN301012A | D.6.2 (D-392) |
| 1 | IN301023A | IN301012A | D.6.2 (D-393) |
| 1 | IN301034A | IN301012A | D.6.2 (D-393) |
| 1 | IN301045A | IN301012A | D.6.2 (D-393) |
| 1 | IN301056A | IN301012A | D.6.2 (D-395) |
| 1 | IN301067A | IN301012A | D.6.2 (D-395) |
| 1 | IN301078A | IN301012A | D.6.2 (D-395) |
| 1 | IN301089A | IN301012A | D.6.2 (D-395) |
| 1 | IN301090A | IN301012A | D.6.2 (D-395) |
| 2 | IN401013A | IN401013A | D.6.3 (D-415) |
| 2 | IN401024B | IN401024B | D.6.4 (D-418) |
| 2 | IN402014A | IN401024B | D.6.4 (D-420) |
| 2 | IN402025A | IN401024B | D.6.4 (D-420) |
| 2 | IN403015A | IN401024B | D.6.4 (D-422) |
| 2 | IN403026A | IN401024B | D.6.4 (D-422) |
| 2 | IN404016B | IN404016B | D.6.5 (D-437) |
| 2 | IN404027A | IN404016B | D.6.5 (D-437) |
| 2 | IN405017B | IN401013A | D.6.3 (D-405) |
| 2 | IN406018A | IN406018A | D.6.6 (D-446) |
| 2 | IN406029A | IN406018A | D.6.6 (D-448) |
| 2 | IN407019A | IN406018A | D.6.6 (D-448) |
| 2 | IN407020A | IN406018A | D.6.6 (D-448) |
| 2 | IN408010A | IN406018A | D.6.6 (D-448) |
| 2 | IN408021A | IN406018A | D.6.6 (D-448) |
| 2 | IN409011A | IN409011A | D.6.7 (D-459) |
| 2 | IN409022A | IN409011A | D.6.7 (D-461) |
| 2 | IN410014A | IN409011A | D.6.7 (D-465) |
| 2 | IN410025A | IN409011A | D.6.7 (D-465) |
| 2 | IN411015A | IN409011A | D.6.7 (D-465) |
| 2 | IN411026A | IN409011A | D.6.7 (D-465) |
| 2 | IN412016A | IN406018A | D.6.6 (D-450) |
| 2 | IN414018A | IN406018A | D.6.6 (D-446) |
| 2 | IN414029A | IN406018A | D.6.6 (D-446) |
| 2 | IN415019A | IN406018A | D.6.6 (D-446) |
| 2 | IN415020A | IN406018A | D.6.6 (D-446) |
| 2 | IN416010A | IN409011A | D.6.7 (D-461) |
| 2 | IN417011B | IN401013A | D.6.3 (D-405) |
| 2 | IN418012A | IN401024B | D.6.4 (D-418) |
| 2 | IN419013B | IN401013A | D.6.3 (D-405) |
| 2 | IN420016A | IN401024B | D.6.4 (D-424) |
| 2 | IN421017A | IN404016B | D.6.5 (D-439) |
| 2 | IN422018A | IN404016B | D.6.5 (D-439) |
| 2 | IN423019A | IN406018A | D.6.6 (D-452) |
| 2 | IN423020A | IN406018A | D.6.6 (D-452) |
| 3 | IN501070A | IN401024B | D.6.4 (D-424) |
| 3 | IN501081A | IN401024B | D.6.4 (D-424) |
| 3 | IN501092A | IN401024B | D.6.4 (D-424) |
| 3 | IN501105A | IN401024B | D.6.4 (D-424) |
| 3 | IN501116A | IN401024B | D.6.4 (D-424) |
| 3 | IN501127A | IN401024B | D.6.4 (D-424) |
| 3 | IN502015A | IN502015A | D.6.8 (D-477) |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN502026A | IN502015A | D.6.8 (D-477) |
| 3 | IN502037A | IN502015A | D.6.8 (D-479) |
| 3 | IN502048A | IN502015A | D.6.8 (D-479) |
| 3 | IN502059A | IN502015A | D.6.8 (D-479) |
| 3 | IN502060A | IN502015A | D.6.8 (D-479) |
| 3 | IN503027A | IN503027A | D.6.9 (D-485) |
| 3 | IN503038A | IN503027A | D.6.9 (D-487) |
| 3 | IN504073A | IN409011A | D.6.7 (D-461) |
| 3 | IN504084A | IN409011A | D.6.7 (D-461) |
| 3 | IN504095A | IN409011A | D.6.7 (D-461) |
| 3 | IN504108A | IN409011A | D.6.7 (D-463) |
| 3 | IN504119A | IN409011A | D.6.7 (D-463) |
| 3 | IN504120A | IN409011A | D.6.7 (D-463) |
| 3 | IN505018A | IN301012A | D.6.2 (D-399) |
| 3 | IN505029A | IN301012A | D.6.2 (D-399) |
| 3 | IN505030A | IN301012A | D.6.2 (D-401) |
| 3 | IN505041A | IN301012A | D.6.2 (D-401) |
| 3 | IN505052A | IN505052A | D.6.10 (D-491) |
| 3 | IN505063A | IN505052A | D.6.10 (D-491) |
| 3 | IN506020A | IN506020A | D.6.11 (D-501) |
| 3 | IN506031A | IN506020A | D.6.11 (D-503) |
| 3 | IN506053A | IN506053A | D.6.12 (D-507) |
| 3 | IN507076A | IN409011A | D.6.7 (D-465) |
| 3 | IN507087A | IN409011A | D.6.7 (D-467) |
| 3 | IN507098A | IN409011A | D.6.7 (D-467) |
| 3 | IN507101A | IN409011A | D.6.7 (D-467) |
| 3 | IN508011A | IN301012A | D.6.2 (D-397) |
| 3 | IN508022A | IN301012A | D.6.2 (D-397) |
| 3 | IN508044A | IN505052A | D.6.10 (D-491) |
| 3 | IN508055A | IN505052A | D.6.10 (D-491) |
| 3 | IN509012A | IN503027A | D.6.9 (D-485) |
| 3 | IN509034A | IN503027A | D.6.9 (D-485) |
| 3 | IN510071B | IN401013A | D.6.3 (D-405) |
| 3 | IN510082B | IN401013A | D.6.3 (D-409) |
| 3 | IN510093A | IN401013A | D.6.3 (D-409) |
| 3 | IN510106A | IN401013A | D.6.3 (D-409) |
| 3 | IN511016A | IN505052A | D.6.10 (D-493) |
| 3 | IN511049A | IN505052A | D.6.10 (D-493) |
| 3 | IN511050A | IN505052A | D.6.10 (D-493) |
| 3 | IN511050A | IN511050A | D.6.13 (D-515) |
| 3 | IN512017A | IN503027A | D.6.9 (D-483) |
| 3 | IN512028A | IN503027A | D.6.9 (D-483) |
| 3 | IN512039A | IN503027A | D.6.9 (D-483) |
| 3 | IN513074A | IN401013A | D.6.3 (D-409) |
| 3 | IN513085A | IN401013A | D.6.3 (D-409) |
| 3 | IN513096A | IN401013A | D.6.3 (D-411) |
| 3 | IN513109A | IN401013A | D.6.3 (D-411) |
| 3 | IN514019A | IN514019A | D.6.14 (D-527) |
| 3 | IN514020A | IN514019A | D.6.14 (D-527) |
| 3 | IN514042A | IN514019A | D.6.14 (D-527) |
| 3 | IN514053A | IN514019A | D.6.14 (D-527) |
| 3 | IN515010A | IN503027A | D.6.9 (D-483) |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 3 | IN515021A | IN503027A | D.6.9 (D-483) |
| 3 | IN516077A | IN401013A | D.6.3 (D-411) |
| 3 | IN516088A | IN401013A | D.6.3 (D-411) |
| 3 | IN516099A | IN401013A | D.6.3 (D-411) |
| 3 | IN516102A | IN401013A | D.6.3 (D-411) |
| 3 | IN517012A | IN511050A | D.6.13 (D-515) |
| 3 | IN517023A | IN511050A | D.6.13 (D-517) |
| 3 | IN517045A | IN511050A | D.6.13 (D-517) |
| 3 | IN517056A | IN511050A | D.6.13 (D-517) |
| 3 | IN519070A | IN404016B | D.6.5 (D-437) |
| 3 | IN519081A | IN404016B | D.6.5 (D-437) |
| 3 | IN519092A | IN404016B | D.6.5 (D-437) |
| 3 | IN519105A | IN404016B | D.6.5 (D-437) |
| 3 | IN519116A | IN404016B | D.6.5 (D-439) |
| 3 | IN519127A | IN404016B | D.6.5 (D-439) |
| 3 | IN520017A | IN514019A | D.6.14 (D-521) |
| 3 | IN520028A | IN514019A | D.6.14 (D-523) |
| 3 | IN520028A | IN522019A | D.6.15 (D-535) |
| 3 | IN520039A | IN514019A | D.6.14 (D-521) |
| 3 | IN520040A | IN514019A | D.6.14 (D-523) |
| 3 | IN520051A | IN522019A | D.6.15 (D-537) |
| 3 | IN520062A | IN522019A | D.6.15 (D-539) |
| 3 | IN522019A | IN522019A | D.6.15 (D-539) |
| 3 | IN522020A | IN522019A | D.6.15 (D-539) |
| 3 | IN522031A | IN522019A | D.6.15 (D-539) |
| 3 | IN522042A | IN522019A | D.6.15 (D-539) |
| 3 | IN522053A | IN522019A | D.6.15 (D-539) |
| 3 | IN522064A | IN522019A | D.6.15 (D-539) |
| 3 | IN522075A | IN514019A | D.6.14 (D-525) |
| 4 | IN523054A | IN406018A | D.6.6 (D-452) |
| 4 | IN523054B | IN406018A | D.6.6 (D-456) |
| 4 | IN523065A | IN406018A | D.6.6 (D-452) |
| 4 | IN523065B | IN406018A | D.6.6 (D-456) |
| 4 | IN523076A | IN406018A | D.6.6 (D-452) |
| 4 | IN523087A | IN406018A | D.6.6 (D-454) |
| 4 | IN523087B | IN406018A | D.6.6 (D-456) |
| 4 | IN523098A | IN406018A | D.6.6 (D-454) |
| 4 | IN523098B | IN406018A | D.6.6 (D-456) |
| 4 | IN523101A | IN406018A | D.6.6 (D-454) |
| 4 | IN523101B | IN406018A | D.6.6 (D-456) |
| 4 | IN523112A | IN404016B | D.6.5 (D-431) |
| 4 | IN523112B | IN404016B | D.6.5 (D-433) |
| 4 | IN523123A | IN404016B | D.6.5 (D-431) |
| 4 | IN523123B | IN404016B | D.6.5 (D-433) |
| 5 | IN801017A | IN801017A | D.6.16 (D-549) |
| 5 | IN801028A | IN801017A | D.6.16 (D-549) |
| 5 | IN801039A | IN801017A | D.6.16 (D-549) |
| 5 | IN802018A | IN514019A | D.6.14 (D-523) |
| 5 | IN802029A | IN514019A | D.6.14 (D-523) |
| 5 | IN802030A | IN514019A | D.6.14 (D-521) |
| 5 | IN802041A | IN801017A | D.6.16 (D-549) |
| 5 | IN802052A | IN522019A | D.6.15 (D-534) |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 5 | IN802063A | IN801017A | D.6.16 (D-549) |
| 5 | IN802074A | IN802074A | D.6.17 (D-555) |
| 5 | IN802085A | IN801017A | D.6.16 (D-549) |
| 5 | IN802096A | IN801017A | D.6.16 (D-551) |
| 5 | IN805011A | IN505052A | D.6.10 (D-491) |
| 5 | IN805022A | IN301012A | D.6.2 (D-397) |
| 5 | IN805033A | IN301012A | D.6.2 (D-401) |
| 5 | IN805044A | IN301012A | D.6.2 (D-401) |
| 5 | IN805055A | IN301012A | D.6.2 (D-401) |
| 5 | IN805066A | IN301012A | D.6.2 (D-401) |
| 5 | IN806012A | IN806012A | D.6.18 (D-573) |
| 5 | IN806023A | IN806012A | D.6.18 (D-573) |
| 5 | IN806034A | IN806012A | D.6.18 (D-573) |
| 5 | IN806056A | IN806012A | D.6.18 (D-567) |
| 5 | IN806067A | IN806012A | D.6.18 (D-575) |
| 5 | IN806078A | IN806012A | D.6.18 (D-575) |
| 5 | IN806090A | IN806012A | D.6.18 (D-575) |
| 5 | IN806103A | IN806103A | D.6.19 (D-579) |
| 5 | IN806114A | IN806103A | D.6.19 (D-579) |
| 5 | IN806136A | IN806103A | D.6.19 (D-579) |
| 5 | IN806147A | IN806103A | D.6.19 (D-581) |
| 5 | IN806158A | IN806103A | D.6.19 (D-581) |
| 5 | IN806216A | IN401024B | D.6.4 (D-426) |
| 5 | IN807046A | IN806103A | D.6.19 (D-583) |
| 5 | IN807080A | IN806103A | D.6.19 (D-583) |
| 5 | IN807104A | IN401024B | D.6.4 (D-428) |
| 5 | IN809015A | IN505052A | D.6.10 (D-493) |
| 5 | IN809026A | IN505052A | D.6.10 (D-495) |
| 5 | IN809037A | IN505052A | D.6.10 (D-495) |
| 5 | IN809048A | IN505052A | D.6.10 (D-495) |
| 5 | IN809059A | IN511050A | D.6.13 (D-517) |
| 7 | IN814012A | IN801017A | D.6.16 (D-543) |
| 7 | IN814023A | IN801017A | D.6.16 (D-543) |
| 7 | IN814034A | IN801017A | D.6.16 (D-545) |
| 7 | IN814045A | IN801017A | D.6.16 (D-545) |
| 7 | IN814056A | IN801017A | D.6.16 (D-545) |
| 7 | IN814067A | IN801017A | D.6.16 (D-545) |
| 7 | IN814078A | IN801017A | D.6.16 (D-545) |
| 7 | IN814089A | IN801017A | D.6.16 (D-545) |
| 7 | IN814103A | IN801017A | D.6.16 (D-545) |
| 7 | IN814114A | IN801017A | D.6.16 (D-547) |
| 7 | IN814125A | IN801017A | D.6.16 (D-549) |
| 7 | IN814136C | IN802074A | D.6.17 (D-561) |
| 7 | IN815013A | IN806012A | D.6.18 (D-567) |
| 7 | IN815024A | IN806012A | D.6.18 (D-567) |
| 7 | IN815035A | IN806012A | D.6.18 (D-567) |
| 7 | IN815046A | IN806012A | D.6.18 (D-567) |
| 7 | IN815057A | IN806012A | D.6.18 (D-567) |
| 7 | IN815068A | IN806012A | D.6.18 (D-569) |
| 7 | IN815079A | IN806012A | D.6.18 (D-569) |
| 7 | IN815080A | IN806012A | D.6.18 (D-569) |
| 7 | IN815091A | IN806012A | D.6.18 (D-569) |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 7 | IN815104A | IN806012A | D.6.18 (D-569) |
| 7 | IN815115A | IN806012A | D.6.18 (D-571) |
| 7 | IN815126A | IN806012A | D.6.18 (D-571) |
| 7 | IN815171A | IN806012A | D.6.18 (D-571) |
| 7 | IN815217A | IN401024B | D.6.4 (D-426) |
| 7 | IN816014A | IN802074A | D.6.17 (D-555) |
| 7 | IN816025A | IN802074A | D.6.17 (D-555) |
| 7 | IN816036A | IN802074A | D.6.17 (D-557) |
| 7 | IN816047A | IN802074A | D.6.17 (D-557) |
| 7 | IN816058A | IN802074A | D.6.17 (D-559) |
| 7 | IN816069A | IN802074A | D.6.17 (D-559) |
| 7 | IN816070A | IN502015A | D.6.8 (D-471) |
| 7 | IN816081A | IN802074A | D.6.17 (D-559) |
| 7 | IN816092A | IN802074A | D.6.17 (D-557) |
| 7 | IN816105A | IN802074A | D.6.17 (D-559) |
| 7 | IN816116A | IN802074A | D.6.17 (D-559) |
| 7 | IN816127A | IN802074A | D.6.17 (D-557) |
| 7 | IN816138A | IN502015A | D.6.8 (D-471) |
| 7 | IN816150A | IN502015A | D.6.8 (D-471) |
| 7 | IN816161A | IN502015A | D.6.8 (D-471) |
| 7 | IN816183A | IN502015A | D.6.8 (D-471) |
| 7 | IN816207A | IN502015A | D.6.8 (D-475) |
| 7 | IN816218B | IN802074A | D.6.17 (D-563) |
| 7 | IN817059A | IN502015A | D.6.8 (D-473) |
| 7 | IN817060A | IN502015A | D.6.8 (D-475) |
| 7 | IN817071A | IN502015A | D.6.8 (D-475) |
| 7 | IN817117A | IN502015A | D.6.8 (D-475) |
| 7 | IN817151A | IN502015A | D.6.8 (D-475) |
| 7 | IN817173B | IN802074A | D.6.17 (D-563) |
| 7 | IN818016A | IN522019A | D.6.15 (D-534) |
| 7 | IN818027A | IN514019A | D.6.14 (D-523) |
| 7 | IN818038A | IN514019A | D.6.14 (D-523) |
| 7 | IN818049A | IN522019A | D.6.15 (D-535) |
| 7 | IN819017A | IN505052A | D.6.10 (D-495) |
| 7 | IN819028A | IN505052A | D.6.10 (D-495) |
| 7 | IN819039A | IN505052A | D.6.10 (D-497) |
| 8 | IN820010A | IN511050A | D.6.13 (D-513) |
| 8 | IN820021A | IN511050A | D.6.13 (D-515) |
| 8 | IN820032A | IN511050A | D.6.13 (D-515) |
| 8 | IN820043A | IN511050A | D.6.13 (D-515) |
| 8 | IN820054A | IN511050A | D.6.13 (D-515) |
| 8 | IN820065A | IN511050A | D.6.13 (D-515) |
| 8 | IN822012A | IN514019A | D.6.14 (D-529) |
| 8 | IN822023A | IN514019A | D.6.14 (D-529) |
| 8 | IN822034A | IN514019A | D.6.14 (D-529) |
| 8 | IN822045A | IN514019A | D.6.14 (D-529) |
| 8 | IN822056A | IN514019A | D.6.14 (D-531) |
| 8 | IN822067A | IN801017A | D.6.16 (D-542) |
| 8 | IN822078A | IN514019A | D.6.14 (D-531) |
| 8 | IN822089A | IN801017A | D.6.16 (D-542) |
| 8 | IN822090A | IN801017A | D.6.16 (D-542) |
| 99 | INN01013A | IN406018A | D.6.6 (D-446) |

TABLE D.6.1 DIRECTORY FOR VOLATILE ORGANICS QA/QC DATA

| PROBLEM NUMBER | SAMPLE NUMBER | QA/QC ANALYTICAL SDG NUMBER | QA/QC TABLE NUMBER(PG) |
|---|---|---|---|
| 99 | INN04016A | IN404016B | D.6.5 (D-433) |
| 99 | INN05017A | IN404016B | D.6.5 (D-433) |
| 99 | INN07019A | IN404016B | D.6.5 (D-435) |
| 99 | INN08010A | IN404016B | D.6.5 (D-435) |
| 99 | INN14018A | IN404016B | D.6.5 (D-439) |
| 99 | INN16010A | IN522019A | D.6.15 (D-537) |
| 99 | INN19013A | IN404016B | D.6.5 (D-439) |
| 99 | INN23019A | IN409011A | D.6.7 (D-465) |
| 99 | INN25011A | IN409011A | D.6.7 (D-467) |
| 99 | INN26012A | IN409011A | D.6.7 (D-467) |
| 99 | INN30018A | IN401013A | D.6.3 (D-407) |
| 99 | INN35013A | IN401013A | D.6.3 (D-404) |
| 99 | INN39017A | IN401013A | D.6.3 (D-407) |
| 99 | INN47017A | IN401024B | D.6.4 (D-418) |
| 99 | INN49019A | IN801017A | D.6.16 (D-542) |
| 99 | INN50012A | IN401024B | D.6.4 (D-418) |
| 99 | INN51013A | IN401024B | D.6.4 (D-420) |
| 99 | INN52014A | IN801017A | D.6.16 (D-547) |
| 99 | INN59011A | IN401024B | D.6.4 (D-422) |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | CONTINUING | CONTINUING | ISTD RET TIM | CFA |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CAL %D | SHIFT | DRAINFIELD |
| SAMPLE NUMBER | IN0630885 | IN0630886 | IN0630886 | IN0630887 | IN0630887 | IN0630888 | IN301012A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | RRF | % | AREA | UG/KG |
| ENV PROBLEM NO | | | | | | | 1 |
| ACETONE | | 0.352 | 23 | 0.333 | 5.5 | | 36 B |
| BENZENE | | 1.037 | 4.2 | 1.001 | 3.5 | | 5 U |
| BROMODICHLOROMETHANE | | 1.171 | 8.2 | 1.093 | 6.6 | | 5 U |
| BROMOFORM | | 0.577 | 3.7 | 0.589 | 2.1 | | 5 U |
| BROMOMETHANE | | 1.949 | 8.8 | 1.713 | 12 | | 11 U |
| CARBON DISULFIDE | | 4.961 | 6.6 | 4.516 | 9 | | 5 U |
| CARBON TETRACHLORIDE | | 0.875 | 7.4 | 0.817 | 6.6 | | 5 U |
| CHLOROBENZENE | | 1.021 | 1.4 | 1.012 | 0.94 | | 5 U |
| CHLOROETHANE | | 0.939 | 13 | 0.802 | 15 | | 11 U |
| CHLOROFORM | | 3.918 | 5.9 | 3.623 | 7.5 | | 5 U |
| CHLOROMETHANE | | 1.053 | 9.1 | 0.952 | 9.6 | | 11 U |
| CIS-1,3-DICHLOROPROPENE | | 0.824 | 11 | 0.754 | 8.5 | | 5 U |
| DIBROMOCHLOROMETHANE | | 0.85 | 4.5 | 0.822 | 3.3 | | 5 U |
| ETHYLBENZENE | | 0.437 | 2.8 | 0.426 | 2.4 | | 5 U |
| METHYLENE CHLORIDE | | 1.835 | 8.4 | 1.627 | 11 | | 3 J |
| STYRENE | | 0.963 | 9.7 | 0.931 | 3.3 | | 5 U |
| TETRACHLOROETHENE | | 0.52 | 5.7 | 0.544 | 4.5 | | 5 U |
| TOLUENE | | 0.74 | 3.6 | 0.71 | 4.1 | | 5 U |
| TOLUENE-D8 | | 1.115 | 1.6 | 1.091 | 2.2 | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.453 | 8.6 | 0.426 | 6 | | 5 U |
| TRICHLOROETHENE | | 0.492 | 2.8 | 0.502 | 2 | | 5 U |
| VINYL ACETATE | | 0.335 | 38 | 0.218 | 35 | | 10 U |
| VINYL CHLORIDE | | 1.47 | 15 | 1.23 | 16 | | 11 U |
| XYLENE (TOTAL) | | 0.602 | 13 | 0.572 | 5.1 | | 5 U |
| 1,1-DICHLOROETHANE | | 3.451 | 6.5 | 3.154 | 8.6 | | 5 U |
| 1,1-DICHLOROETHENE | | 1.521 | 4.2 | 1.458 | 4.1 | | 5 U |
| 1,1,1-TRICHLOROETHANE | | 0.796 | 9.1 | 0.732 | 8 | | 5 U |
| 1,1,2-TRICHLOROETHANE | | 0.392 | 3.2 | 0.392 | 0.03 | | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.764 | 5.7 | 0.751 | 1.7 | | 5 U |
| 1,2-DICHLOROETHANE | | 2.325 | 8.9 | 2.116 | 9 | | 5 U |
| 1,2-DICHLOROETHANE-D4 | | 2.053 | 15 | 1.775 | 14 | | |
| 1,2-DICHLOROETHENE | | 1.55 | 3.4 | 1.504 | 3 | | 5 U |
| 1,2-DICHLOROPROPANE | | 0.536 | 7.1 | 0.51 | 4.7 | | 5 U |
| 1,4-BROMOFLUOROBENZENE | | 1.16 | 4.4 | 1.143 | 1.4 | | |
| 2-BUTANONE | | 0.02 | 8.5 | 0.02 | 2.5 | | 10 U |
| 2-HEXANONE | | 0.217 | 8.8 | 0.203 | 6.5 | | 10 U |
| 4-METHYL-2-PENTANONE | | 0.315 | 9.7 | 0.291 | 7.8 | | 10 U |
| SURR 1(TOL) %RECOVERY | | | | 98 | | | 102 |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | CONTINUING | CONTINUING | ISTD RET TIM | CFA |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CAL %D | SHIFT | DRAINFIELD |
| SAMPLE NUMBER | IN0630885 | IN0630886 | IN0630886 | IN0630887 | IN0630887 | IN0630888 | IN301012A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | RRF | % | AREA | UG/KG |
| ENV PROBLEM NO | | | | | | | 1 |
| SURR 2(BFB) %RECOVERY | | | | 98 | | | 102 |
| SURR 3(DCE) %RECOVERY | | | | 86 | | | 100 |
| M/E 50 | 20 | | | | | | |
| M/E 75 | 52 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 8 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 70 | | | | | | |
| M/E 175-1 | 5.4 | | | | | | |
| M/E 175-2 | 7.8 | | | | | | |
| M/E 176-1 | 68 | | | | | | |
| M/E 176-2 | 97 | | | | | | |
| M/E 177-1 | 5.3 | | | | | | |
| M/E 177-2 | 7.8 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | | | 54700 | 41700 |
| INTERNAL STD AREA(CBZ) | | | | | | 160000 | 119000 |
| INTERNAL STD AREA(DFB) | | | | | | 198000 | 142000 |
| DILUTION FACTOR | | | | | | 0 | 1 |
| PERCENT MOISTURE | | | | | | 0 | 7 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | 13(14 D) |

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | CFA | CFA | METHOD | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | DRAINFIELD | DRAINFIELD | DRAINFIELD | BLANK | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN301023A | IN301034A | IN301045A | VBK06308 | IN0701887 | IN0701887 | IN0701888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | RRF | % | AREA |
| ENV PROBLEM NO | 1 | 1 | 1 | | | | |
| ACETONE | 43 B | 18 B | 28 B | 15 | 0.344 | 10 | |
| BENZENE | 5 U | 6 U | 5 U | 5 U | 1.072 | 3.4 | |
| BROMODICHLOROMETHANE | 5 U | 6 U | 5 U | 5 U | 1.263 | 7.9 | |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | CFA | CFA | METHOD | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | DRAINFIELD | DRAINFIELD | DRAINFIELD | BLANK | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN301023A | IN301034A | IN301045A | VBK06308 | IN0701887 | IN0701887 | IN0701888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | RRF | % | AREA |
| ENV PROBLEM NO | 1 | 1 | 1 | | | | |
| BROMOFORM | 5 U | 6 U | 5 U | 5 U | 0.55 | 4.8 | |
| BROMOMETHANE | 11 U | 13 U | 11 U | 10 U | 2.094 | 7.5 | |
| CARBON DISULFIDE | 5 U | 6 U | 5 U | 5 U | 4.991 | 0.59 | |
| CARBON TETRACHLORIDE | 5 U | 6 U | 5 U | 5 U | 0.928 | 6.1 | |
| CHLOROBENZENE | 5 U | 6 U | 5 U | 5 U | 0.989 | 3.1 | |
| CHLOROETHANE | 11 U | 13 U | 11 U | 10 U | 1.045 | 11 | |
| CHLOROFORM | 5 U | 6 U | 5 U | 5 U | 4.114 | 5 | |
| CHLOROMETHANE | 11 U | 13 U | 11 U | 10 U | 0.989 | 6.1 | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 6 U | 5 U | 5 U | 0.854 | 3.6 | |
| DIBROMOCHLOROMETHANE | 5 U | 6 U | 5 U | 5 U | 0.894 | 5.1 | |
| ETHYLBENZENE | 5 U | 6 U | 5 U | 5 U | 0.42 | 3.8 | |
| METHYLENE CHLORIDE | 2 J | 11 | 3 J | 5 U | 1.808 | 1.4 | |
| STYRENE | 5 U | 6 U | 5 U | 5 U | 0.822 | 15 | |
| TETRACHLOROETHENE | 5 U | 6 U | 5 U | 5 U | 0.521 | 0.13 | |
| TOLUENE | 5 U | 6 U | 5 U | 5 U | 0.72 | 2.7 | |
| TOLUENE-D8 | | | | | 1.071 | 4 | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 6 U | 5 U | 5 U | 0.465 | 2.6 | |
| TRICHLOROETHENE | 5 U | 6 U | 5 U | 5 U | 0.488 | 0.89 | |
| VINYL ACETATE | 11 U | 13 U | 11 U | 10 U | 0.436 | 30 | |
| VINYL CHLORIDE | 11 U | 13 U | 11 U | 10 U | 1.584 | 7.8 | |
| XYLENE (TOTAL) | 5 U | 6 U | 5 U | 5 U | 0.488 | 18 | |
| 1,1-DICHLOROETHANE | 5 U | 6 U | 5 U | 5 U | 3.447 | 0.12 | |
| 1,1-DICHLOROETHENE | 5 U | 6 U | 5 U | 5 U | 1.517 | 0.26 | |
| 1,1,1-TRICHLOROETHANE | 5 U | 6 U | 5 U | 5 U | 0.864 | 8.5 | |
| 1,1,2-TRICHLOROETHANE | 5 U | 6 U | 5 U | 5 U | 0.401 | 2.2 | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 6 U | 5 U | 5 U | 0.725 | 5.1 | |
| 1,2-DICHLOROETHANE | 5 U | 6 U | 5 U | 5 U | 2.398 | 3.2 | |
| 1,2-DICHLOROETHANE-D4 | | | | | 1.995 | 2.8 | |
| 1,2-DICHLOROETHENE | 5 U | 6 U | 5 U | 5 U | 1.56 | 0.6 | |
| 1,2-DICHLOROPROPANE | 5 U | 6 U | 5 U | 5 U | 0.552 | 3.1 | |
| 1,4-BROMOFLUOROBENZENE | | | | | 1.093 | 5.8 | |
| 2-BUTANONE | 11 U | 13 U | 11 U | 10 U | 0.019 | 4.7 | |
| 2-HEXANONE | 11 U | 13 U | 11 U | 10 U | 0.187 | 14 | |
| 4-METHYL-2-PENTANONE | 11 U | 13 U | 11 U | 10 U | 0.281 | 11 | |
| SURR 1(TOL) %RECOVERY | 102 | 102 | 108 | 102 | 96 | | |
| SURR 2(BFB) %RECOVERY | 96 | 98 | 96 | 102 | 94 | | |
| SURR 3(DCE) %RECOVERY | 98 | 100 | 102 | 96 | 98 | | |

M/E 50

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA | CFA | CFA | METHOD | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | DRAINFIELD | DRAINFIELD | DRAINFIELD | BLANK | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN301023A | IN301034A | IN301045A | VBK06308 | IN0701887 | IN0701887 | IN0701888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | RRF | % | AREA |
| ENV PROBLEM NO | 1 | 1 | 1 | | | | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 55500 | 48800 | 42400 | 40400 | | | 64000 |
| INTERNAL STD AREA(CBZ) | 159000 | 139000 | 119000 | 131000 | | | 187000 |
| INTERNAL STD AREA(DFB) | 197000 | 173000 | 156000 | 159000 | | | 221000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | | | 0 |
| PERCENT MOISTURE | 3 | 19 | 3 | 0 | | | 0 |
| ACTUAL(ALLOWED) HOLD TIME | 9(14 D) | 9(14 D) | 9(14 D) | | | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MATRIX SPIKE | CFA | CFA | CFA | CFA | CFA |
| TYPE OF LOCATION | SPIKE | DUPLICATE | DRAINFIELD | DRAINFIELD | DRAINFIELD | DRAINFIELD | DRAINFIELD |
| SAMPLE NUMBER | IN301056A | IN301056A | IN301056A | IN301067A | IN301078A | IN301089A | IN301090A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACETONE | 28 B | 30 B | 18 B | 49 B | 22 B | 25 BJ | 28 B |
| BENZENE | 50 | 51 | 5 U | 6 U | 5 U | 5 U | 6 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| BROMOFORM | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MATRIX SPIKE DUPLICATE | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301056A | IN301056A | IN301056A | IN301067A | IN301078A | IN301089A | IN301090A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CHLOROBENZENE | 55 | 54 | 5 U | 6 U | 5 U | 5 U | 6 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| METHYLENE CHLORIDE | 4 BJ | 4 BJ | 3 BJ | 11 B | 3 BJ | 3 BJ | 8 B |
| STYRENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| TOLUENE | 53 B | 52 B | 5 U | 6 U | 5 U | 5 U | 6 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| TRICHLOROETHENE | 51 | 52 | 5 U | 6 U | 5 U | 5 U | 6 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,1-DICHLOROETHENE | 44 | 44 | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 12 U |
| SURR 1(TOL) %RECOVERY | 106 | 106 | 102 | 102 | 106 | 106 | 102 |
| SURR 2(BFB) %RECOVERY | 102 | 102 | 104 | 102 | 100 | 102 | 104 |
| SURR 3(DCE) %RECOVERY | 88 | 94 | 92 | 94 | 92 | 96 | 88 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MATRIX SPIKE DUPLICATE | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD | CFA DRAINFIELD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301056A | IN301056A | IN301056A | IN301067A | IN301078A | IN301089A | IN301090A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 59500 | 49400 | 53600 | 47500 | 51900 | 60600 | 50600 |
| INTERNAL STD AREA(CBZ) | 158000 | 134000 | 152000 | 136000 | 134000 | 157000 | 132000 |
| INTERNAL STD AREA(DFB) | 194000 | 162000 | 183000 | 164000 | 165000 | 192000 | 155000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 4 | 4 | 4 | 18 | 3 | 3 | 15 |
| ACTUAL(ALLOWED) HOLD TIME | 10(14 D) | 10(14 D) | 10(14 D) | 10(14 D) | 9(14 D) | 9(14 D) | 9(14 D) |

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | METHOD BLANK | TUNED CALIBRATION | MS % RECOVERY | RPD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN508011A | IN508022A | IN805022A | VBK07018 | IN0701885 | IN301056A | IN301056A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | % | % | % |
| ENV PROBLEM NO | 3 | 3 | 5 | | | 1 | 1 |
| ACETONE | 5 BJ | 8 BJ | 12 U | 10 | | | |
| BENZENE | 7 U | 6 U | 6 U | 5 | | 100 | 2 |
| BROMODICHLOROMETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| BROMOFORM | 7 U | 6 U | 6 U | 5 U | | | |
| BROMOMETHANE | 14 U | 12 U | 12 U | 10 U | | | |
| CARBON DISULFIDE | 7 U | 6 U | 6 U | 5 U | | | |
| CARBON TETRACHLORIDE | 7 U | 6 U | 6 U | 5 U | | | |
| CHLOROBENZENE | 7 U | 6 U | 6 U | 5 U | | 110 | 2 |
| CHLOROETHANE | 14 U | 12 U | 12 U | 10 U | | | |
| CHLOROFORM | 7 U | 6 U | 6 U | 5 U | | | |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | METHOD | TUNED | MS % | RPD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | BLANK | CALIBRATION | RECOVERY | |
| SAMPLE NUMBER | IN508011A | IN508022A | IN805022A | VBK07018 | IN0701885 | IN301056A | IN301056A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | % | % | % |
| ENV PROBLEM NO | 3 | 3 | 5 | | | 1 | 1 |
| CHLOROMETHANE | 14 U | 12 U | 12 U | 10 U | | | |
| CIS-1,3-DICHLOROPROPENE | 7 U | 6 U | 6 U | 5 U | | | |
| DIBROMOCHLOROMETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| ETHYLBENZENE | 7 U | 6 U | 6 U | 5 U | | | |
| METHYLENE CHLORIDE | 3 BJ | 2 BJ | 2 BJ | 1 J | | | |
| STYRENE | 7 U | 6 U | 6 U | 5 U | | | |
| TETRACHLOROETHENE | 7 U | 6 U | 6 U | 5 U | | | |
| TOLUENE | 7 U | 6 U | 6 U | 2 J | | 106 | 2 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 7 U | 6 U | 6 U | 5 U | | | |
| TRICHLOROETHENE | 7 U | 6 U | 6 U | 5 | | 102 | 2 |
| VINYL ACETATE | 14 U | 12 U | 12 U | 10 U | | | |
| VINYL CHLORIDE | 14 U | 12 U | 12 U | 10 U | | | |
| XYLENE (TOTAL) | 7 U | 6 U | 6 U | 5 U | | | |
| 1,1-DICHLOROETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,1-DICHLOROETHENE | 7 U | 6 U | 6 U | 5 | | 88 | 0 |
| 1,1,1-TRICHLOROETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,1,2-TRICHLOROETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,1,2,2-TETRACHLOROETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,2-DICHLOROETHANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,2-DICHLOROPROPANE | 7 U | 6 U | 6 U | 5 U | | | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 14 U | 12 U | 12 U | 10 U | | | |
| 2-HEXANONE | 14 U | 12 U | 12 U | 10 U | | | |
| 4-METHYL-2-PENTANONE | 14 U | 12 U | 12 U | 10 U | | | |
| SURR 1(TOL) %RECOVERY | 106 | 104 | 108 | 104 | | | |
| SURR 2(BFB) %RECOVERY | 98 | 98 | 100 | 102 | | | |
| SURR 3(DCE) %RECOVERY | 88 | 86 | 92 | 90 | | | |
| M/E 50 | | | | | 16 | | |
| M/E 75 | | | | | 47 | | |
| M/E 95 | | | | | 100 | | |
| M/E 96 | | | | | 6.8 | | |
| M/E 173-1 | | | | | 0 | | |
| M/E 173-2 | | | | | 0 | | |
| M/E 174 | | | | | 67 | | |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | METHOD | TUNED | MS % | RPD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | BLANK | CALIBRATION | RECOVERY | |
| SAMPLE NUMBER | IN508011A | IN508022A | IN805022A | VBK07018 | IN0701885 | IN301056A | IN301056A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | % | % | % |
| ENV PROBLEM NO | 3 | 3 | 5 | | | 1 | 1 |
| M/E 175-1 | | | | | 5 | | |
| M/E 175-2 | | | | | 7.5 | | |
| M/E 176-1 | | | | | 64 | | |
| M/E 176-2 | | | | | 96 | | |
| M/E 177-1 | | | | | 4.7 | | |
| M/E 177-2 | | | | | 7.3 | | |
| INTERNAL STD AREA(BCM) | 46800 | 59700 | 48100 | 48900 | | | |
| INTERNAL STD AREA(CBZ) | 96800 | 150000 | 123000 | 137000 | | | |
| INTERNAL STD AREA(DFB) | 140000 | 189000 | 166000 | 168000 | | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | | | |
| PERCENT MOISTURE | 27 | 21 | 17 | 0 | | | |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 8(14 D) | 8(14 D) | | | | |

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MSD % | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | RECOVERY | CALIBRATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN301056A | IN0701885 | IN0701887 | IN0701887 | IN0701888 | IN505018A | IN505029A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 3 | 3 |
| ACETONE | | | 0.531 | 70 | | 19 | 27 |
| BENZENE | 102 | | 1.062 | 9 | | 7 U | 7 U |
| BROMODICHLOROMETHANE | | | 1.26 | 7.7 | | 7 U | 7 U |
| BROMOFORM | | | 0.669 | 16 | | 7 U | 7 U |
| BROMOMETHANE | | | 1.989 | 2 | | 13 U | 14 U |
| CARBON DISULFIDE | | | 4.85 | 2.3 | | 7 U | 7 U |
| CARBON TETRACHLORIDE | | | 0.966 | 10 | | 7 U | 7 U |
| CHLOROBENZENE | 108 | | 0.996 | 2.5 | | 7 U | 7 U |
| CHLOROETHANE | | | 1.009 | 7.4 | | 13 U | 14 U |
| CHLOROFORM | | | 3.827 | 2.3 | | 7 U | 7 U |
| CHLOROMETHANE | | | 0.994 | 5.6 | | 13 U | 14 U |
| CIS-1,3-DICHLOROPROPENE | | | 0.848 | 2.9 | | 7 U | 7 U |
| DIBROMOCHLOROMETHANE | | | 0.932 | 2.4 | | 7 U | 7 U |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MSD % RECOVERY | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN301056A | IN0701885 | IN0701887 | IN0701887 | IN0701888 | IN505018A | IN505029A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 3 | 3 |
| ETHYLBENZENE | | | 0.43 | 1.6 | | 7 U | 7 U |
| METHYLENE CHLORIDE | | | 1.924 | 4.9 | | 3 BJ | 7 B |
| STYRENE | | | 0.81 | 16 | | 7 U | 7 U |
| TETRACHLOROETHENE | | | 0.569 | 9.4 | | 7 U | 7 U |
| TOLUENE | 104 | | 0.741 | 0.07 | | 7 U | 7 U |
| TOLUENE-D8 | | | 1.104 | 1 | | | |
| TRANS-1,3-DICHLOROPROPENE | | | 0.476 | 5.1 | | 7 U | 7 U |
| TRICHLOROETHENE | 104 | | 0.517 | 4.9 | | 7 U | 7 U |
| VINYL ACETATE | | | 0.487 | 46 | | 13 U | 14 U |
| VINYL CHLORIDE | | | 1.536 | 4.5 | | 13 U | 14 U |
| XYLENE (TOTAL) | | | 0.487 | 19 | | 7 U | 7 U |
| 1,1-DICHLOROETHANE | | | 3.198 | 7.3 | | 7 U | 7 U |
| 1,1-DICHLOROETHENE | 88 | | 1.447 | 4.9 | | 7 U | 7 U |
| 1,1,1-TRICHLOROETHANE | | | 0.908 | 14 | | 7 U | 7 U |
| 1,1,2-TRICHLOROETHANE | | | 0.427 | 9.6 | | 7 U | 7 U |
| 1,1,2,2-TETRACHLOROETHANE | | | 0.847 | 11 | | 7 U | 7 U |
| 1,2-DICHLOROETHANE | | | 2.348 | 0.99 | | 7 U | 7 U |
| 1,2-DICHLOROETHANE-D4 | | | 1.942 | 5.4 | | | |
| 1,2-DICHLOROETHENE | | | 1.495 | 3.6 | | 7 U | 7 U |
| 1,2-DICHLOROPROPANE | | | 0.541 | 1 | | 7 U | 7 U |
| 1,4-BROMOFLUOROBENZENE | | | 1.116 | 3.8 | | | |
| 2-BUTANONE | | | 0.022 | 12 | | 13 U | 14 U |
| 2-HEXANONE | | | 0.224 | 3 | | 13 U | 14 U |
| 4-METHYL-2-PENTANONE | | | 0.352 | 12 | | 13 U | 14 U |
| SURR 1(TOL) %RECOVERY | | | 98 | | | 116 | 106 |
| SURR 2(BFB) %RECOVERY | | | 96 | | | 82 | 90 |
| SURR 3(DCE) %RECOVERY | | | 94 | | | 84 | 86 |
| M/E 50 | | 19 | | | | | |
| M/E 75 | | 52 | | | | | |
| M/E 95 | | 100 | | | | | |
| M/E 96 | | 7.2 | | | | | |
| M/E 173-1 | | 0 | | | | | |
| M/E 173-2 | | 0 | | | | | |
| M/E 174 | | 55 | | | | | |
| M/E 175-1 | | 4.1 | | | | | |
| M/E 175-2 | | 7.4 | | | | | |
| M/E 176-1 | | 55 | | | | | |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MSD % | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | RECOVERY | CALIBRATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN301056A | IN0701885 | IN0701887 | IN0701887 | IN0701888 | IN505018A | IN505029A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 1 | | | | | 3 | 3 |
| M/E 176-2 | | 100 | | | | | |
| M/E 177-1 | | 3.9 | | | | | |
| M/E 177-2 | | 7.2 | | | | | |
| INTERNAL STD AREA(BCM) | | | | | 42700 | 39300 | 48600 |
| INTERNAL STD AREA(CBZ) | | | | | 112000 | 79200 | 106000 |
| INTERNAL STD AREA(DFB) | | | | | 137000 | 127000 | 147000 |
| DILUTION FACTOR | | | | | 0 | 1 | 1 |
| PERCENT MOISTURE | | | | | 0 | 26 | 31 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 10(14 D) | 10(14 D) |

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE | OMRE | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | BLANK |
| SAMPLE NUMBER | IN505030A | IN505041A | IN805033A | IN805044A | IN805055A | IN805066A | VBK07028 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 5 | 5 | |
| ACETONE | 17 U | 18 U | 14 | 11 U | 12 U | 11 U | 10 U |
| BENZENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| BROMODICHLOROMETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| BROMOFORM | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| BROMOMETHANE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| CARBON DISULFIDE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| CARBON TETRACHLORIDE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| CHLOROBENZENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| CHLOROETHANE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| CHLOROFORM | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| CHLOROMETHANE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| DIBROMOCHLOROMETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| ETHYLBENZENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| METHYLENE CHLORIDE | 3 BJ | 2 BJ | 6 U | 6 U | 6 U | 1 BJ | 1 J |
| STYRENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE | OMRE | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | BLANK |
| SAMPLE NUMBER | IN505030A | IN505041A | IN805033A | IN805044A | IN805055A | IN805066A | VBK07028 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 5 | 5 | |
| TETRACHLOROETHENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| TOLUENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| TRICHLOROETHENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| VINYL ACETATE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| VINYL CHLORIDE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| XYLENE (TOTAL) | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,1-DICHLOROETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,1-DICHLOROETHENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,2-DICHLOROETHANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,2-DICHLOROPROPANE | 9 U | 9 U | 6 U | 6 U | 6 U | 6 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| 2-HEXANONE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| 4-METHYL-2-PENTANONE | 17 U | 18 U | 11 U | 11 U | 12 U | 11 U | 10 U |
| SURR 1(TOL) %RECOVERY | 114 | 112 | 102 | 102 | 98 | 104 | 96 |
| SURR 2(BFB) %RECOVERY | 84 | 86 | 102 | 102 | 104 | 98 | 106 |
| SURR 3(DCE) %RECOVERY | 88 | 88 | 92 | 92 | 88 | 90 | 94 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.2 INEL VOLATILE ORGANICS - SDG NUMBER: IN301012A

DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | OMRE | OMRE | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | BLANK |
| SAMPLE NUMBER | IN505030A | IN505041A | IN805033A | IN805044A | IN805055A | IN805066A | VBK07028 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 5 | 5 | |
| INTERNAL STD AREA(BCM) | 40300 | 43800 | 50700 | 47400 | 39300 | 43200 | 36200 |
| INTERNAL STD AREA(CBZ) | 74200 | 93000 | 132000 | 118000 | 104000 | 108000 | 101000 |
| INTERNAL STD AREA(DFB) | 119000 | 142000 | 167000 | 149000 | 121000 | 141000 | 120000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 40 | 41 | 15 | 13 | 17 | 13 | 0 |
| ACTUAL(ALLOWED) HOLD TIME | 10(14 D) | 10(14 D) | 9(14 D) | 9(14 D) | 9(14 D) | 9(14 D) | |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRIP BLANK | TUNED | INITIAL CAL | INITIAL CAL | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | TRIP BLANK | CALIBRATION | RRF | % RSD | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | INN35013A | IN0706885 | IN0706886 | IN0706886 | IN0706887 | IN0706887 | IN0706888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | RRF | % | RRF | % | AREA |
| ENV PROBLEM NO | 99 | | | | | | |
| ACETONE | 7 J | | 0.311 | 14 | 0.32 | 2.7 | |
| BENZENE | 5 U | | 0.74 | 1.6 | 0.734 | 0.8 | |
| BROMODICHLOROMETHANE | 5 U | | 0.982 | 2.1 | 0.966 | 1.7 | |
| BROMOFORM | 5 U | | 0.908 | 6.1 | 0.912 | 0.4 | |
| BROMOMETHANE | 10 U | | 1.031 | 6.1 | 0.978 | 5.2 | |
| CARBON DISULFIDE | 5 U | | 2.444 | 3.7 | 2.343 | 4.2 | |
| CARBON TETRACHLORIDE | 5 U | | 0.899 | 2.3 | 0.878 | 2.4 | |
| CHLOROBENZENE | 5 U | | 1.015 | 2.1 | 1.027 | 1.2 | |
| CHLOROETHANE | 10 U | | 0.462 | 6 | 0.437 | 5.3 | |
| CHLOROFORM | 5 U | | 2.826 | 2.7 | 2.735 | 3.2 | |
| CHLOROMETHANE | 10 U | | 0.403 | 19 | 0.394 | 2.2 | |
| CIS-1,3-DICHLOROPROPENE | 5 U | | 0.704 | 1.9 | 0.7 | 0.6 | |
| DIBROMOCHLOROMETHANE | 5 U | | 1.023 | 3.6 | 1.001 | 2.1 | |
| ETHYLBENZENE | 5 U | | 0.446 | 1.6 | 0.456 | 2.3 | |
| METHYLENE CHLORIDE | 5 U | | 1.194 | 4.4 | 1.166 | 2.3 | |
| STYRENE | 5 U | | 0.923 | 1.5 | 0.927 | 0.5 | |
| TETRACHLOROETHENE | 5 U | | 0.656 | 2.3 | 0.656 | 0 | |
| TOLUENE | 5 U | | 0.645 | 3.1 | 0.651 | 0.9 | |
| TOLUENE-D8 | | | 1.023 | 0.7 | 1.028 | 0.5 | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | | 0.46 | 2.8 | 0.468 | 0.4 | |
| TRICHLOROETHENE | 5 U | | 0.695 | 9.5 | 0.724 | 4.3 | |
| VINYL ACETATE | 10 U | | 0.039 | 100 | 0.013 | 68 | |
| VINYL CHLORIDE | 10 U | | 0.643 | 11 | 0.618 | 3.9 | |
| XYLENE (TOTAL) | 5 U | | 0.547 | 1.4 | 0.55 | 0.6 | |
| 1,1-DICHLOROETHANE | 5 U | | 1.887 | 3.5 | 1.816 | 3.7 | |
| 1,1-DICHLOROETHENE | 5 U | | 1.098 | 4.8 | 1.075 | 2.1 | |
| 1,1,1-TRICHLOROETHANE | 5 U | | 0.775 | 2.5 | 0.77 | 0.7 | |
| 1,1,2-TRICHLOROETHANE | 5 U | | 0.406 | 3 | 0.415 | 2.2 | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | | 0.503 | 24 | 0.454 | 9.8 | |
| 1,2-DICHLOROETHANE | 5 U | | 2.123 | 2.3 | 2.078 | 2.2 | |
| 1,2-DICHLOROETHANE-D4 | | | 1.792 | 6.4 | 1.68 | 6.3 | |
| 1,2-DICHLOROETHENE | 5 U | | 1.097 | 4 | 1.062 | 3.2 | |
| 1,2-DICHLOROPROPANE | 5 U | | 0.329 | 1.1 | 0.327 | 0.6 | |
| 1,4-BROMOFLUOROBENZENE | | | 1.046 | 1.2 | 1.049 | 0.2 | |
| 2-BUTANONE | 10 U | | 0.027 | 8.9 | 0.026 | 4.8 | |
| 2-HEXANONE | 10 U | | 0.264 | 12 | 0.265 | 0.4 | |
| 4-METHYL-2-PENTANONE | 10 U | | 0.369 | 10 | 0.37 | 0.3 | |
| SURR 1(TOL) %RECOVERY | 100 | | | | 100 | | |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRIP BLANK | TUNED | INITIAL CAL | INITIAL CAL | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | TRIP BLANK | CALIBRATION | RRF | % RSD | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | INN35013A | IN0706885 | IN0706886 | IN0706886 | IN0706887 | IN0706887 | IN0706888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | RRF | % | RRF | % | AREA |
| ENV PROBLEM NO | 99 | | | | | | |
| SURR 2(BFB) %RECOVERY | 101 | | | | 100 | | |
| SURR 3(DCE) %RECOVERY | 104 | | | | 94 | | |
| M/E 50 | | 20 | | | | | |
| M/E 75 | | 52 | | | | | |
| M/E 95 | | 100 | | | | | |
| M/E 96 | | 7.4 | | | | | |
| M/E 173-1 | | 0 | | | | | |
| M/E 173-2 | | 0 | | | | | |
| M/E 174 | | 90 | | | | | |
| M/E 175-1 | | 7.3 | | | | | |
| M/E 175-2 | | 8 | | | | | |
| M/E 176-1 | | 88 | | | | | |
| M/E 176-2 | | 97 | | | | | |
| M/E 177-1 | | 6.4 | | | | | |
| M/E 177-2 | | 7.3 | | | | | |
| INTERNAL STD AREA(BCM) | 49200 | | | | | | 44000 |
| INTERNAL STD AREA(CBZ) | 134000 | | | | | | 114000 |
| INTERNAL STD AREA(DFB) | 163000 | | | | | | 136000 |
| DILUTION FACTOR | 1 | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | | | | | | |

| AREA | | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL 98 | MATRIX | MATRIX SPIKE | USGS-113 | WELL 116 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WELL | SPIKE | DUPLICATE | WELL | WELL | WASTE POND | BLANK |
| SAMPLE NUMBER | IN405017B | IN417011B | IN417011B | IN417011B | IN419013B | IN510071B | VBK07068 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 3 | |
| ACETONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 5 J |
| BENZENE | 5 U | 51 | 52 | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL 98 | MATRIX | MATRIX SPIKE | USGS-113 | WELL 116 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WELL | SPIKE | DUPLICATE | WELL | WELL | WASTE POND | BLANK |
| SAMPLE NUMBER | IN405017B | IN417011B | IN417011B | IN417011B | IN419013B | IN510071B | VBK07068 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 3 | |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 51 | 52 | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 50 | 51 | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 38 | 39 | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 50 | 50 | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 98 | 98 | 99 | 99 | 100 | 100 | 99 |
| SURR 2(BFB) %RECOVERY | 102 | 100 | 101 | 99 | 101 | 102 | 98 |
| SURR 3(DCE) %RECOVERY | 108 | 104 | 106 | 99 | 108 | 104 | 94 |

M/E 50

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL 98 | MATRIX | MATRIX SPIKE | USGS-113 | WELL 116 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WELL | SPIKE | DUPLICATE | WELL | WELL | WASTE POND | BLANK |
| SAMPLE NUMBER | IN405017B | IN417011B | IN417011B | IN417011B | IN419013B | IN510071B | VBK07068 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 3 | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 43500 | 51500 | 46700 | 51100 | 44000 | 47500 | 63600 |
| INTERNAL STD AREA(CBZ) | 120000 | 142000 | 129000 | 137000 | 122000 | 128000 | 158000 |
| INTERNAL STD AREA(DFB) | 139000 | 169000 | 151000 | 166000 | 145000 | 153000 | 193000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 7(14 D) | |

| AREA | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % | RPD | MSD % | TRIP BLANK | TRIP BLANK | TUNED | CONTINUING |
| TYPE OF LOCATION | RECOVERY | | RECOVERY | TRIP BLANK | TRIP BLANK | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN417011B | IN417011B | IN417011B | INN30018A | INN39017A | IN0707885 | IN0707887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | 2 | 2 | 2 | 99 | 99 | | |
| ACETONE | | | | 10 U | 10 U | | 0.375 |
| BENZENE | 102 | 2 | 104 | 5 U | 5 U | | 0.777 |
| BROMODICHLOROMETHANE | | | | 5 U | 5 U | | 1.004 |
| BROMOFORM | | | | 5 U | 5 U | | 0.877 |
| BROMOMETHANE | | | | 10 U | 10 U | | 1.18 |
| CARBON DISULFIDE | | | | 5 U | 5 U | | 2.698 |
| CARBON TETRACHLORIDE | | | | 5 U | 5 U | | 0.903 |
| CHLOROBENZENE | 102 | 2 | 104 | 5 U | 5 U | | 1.031 |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MSD % RECOVERY | TRIP BLANK | TRIP BLANK | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | | | | TRIP BLANK | TRIP BLANK | | |
| SAMPLE NUMBER | IN417011B | IN417011B | IN417011B | INN30018A | INN39017A | IN0707885 | IN0707887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | 2 | 2 | 2 | 99 | 99 | | |
| CHLOROETHANE | | | | 10 U | 10 U | | 0.539 |
| CHLOROFORM | | | | 5 U | 5 U | | 2.851 |
| CHLOROMETHANE | | | | 10 U | 10 U | | 0.516 |
| CIS-1,3-DICHLOROPROPENE | | | | 5 U | 5 U | | 0.72 |
| DIBROMOCHLOROMETHANE | | | | 5 U | 5 U | | 1.002 |
| ETHYLBENZENE | | | | 5 U | 5 U | | 0.46 |
| METHYLENE CHLORIDE | | | | 5 U | 5 U | | 1.283 |
| STYRENE | | | | 5 U | 5 U | | 0.916 |
| TETRACHLOROETHENE | | | | 5 U | 5 U | | 0.689 |
| TOLUENE | 100 | 2 | 102 | 5 U | 5 U | | 0.678 |
| TOLUENE-D8 | | | | | | | 1.024 |
| TRANS-1,3-DICHLOROPROPENE | | | | 5 U | 5 U | | 0.478 |
| TRICHLOROETHENE | 76 | 3 | 78 | 5 U | 5 U | | 0.587 |
| VINYL ACETATE | | | | 10 U | 10 U | | 0.297 |
| VINYL CHLORIDE | | | | 10 U | 10 U | | 0.747 |
| XYLENE (TOTAL) | | | | 5 U | 5 U | | 0.546 |
| 1,1-DICHLOROETHANE | | | | 5 U | 5 U | | 1.96 |
| 1,1-DICHLOROETHENE | 100 | 0 | 100 | 5 U | 5 U | | 1.172 |
| 1,1,1-TRICHLOROETHANE | | | | 5 U | 5 U | | 0.78 |
| 1,1,2-TRICHLOROETHANE | | | | 5 U | 5 U | | 0.413 |
| 1,1,2,2-TETRACHLOROETHANE | | | | 5 U | 5 U | | 0.719 |
| 1,2-DICHLOROETHANE | | | | 5 U | 5 U | | 2.121 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 1.642 |
| 1,2-DICHLOROETHENE | | | | 5 U | 5 U | | 1.158 |
| 1,2-DICHLOROPROPANE | | | | 5 U | 5 U | | 0.347 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 1.041 |
| 2-BUTANONE | | | | 10 U | 10 U | | 0.028 |
| 2-HEXANONE | | | | 10 U | 10 U | | 0.282 |
| 4-METHYL-2-PENTANONE | | | | 10 U | 10 U | | 0.396 |
| SURR 1(TOL) %RECOVERY | | | | 97 | 97 | | 100 |
| SURR 2(BFB) %RECOVERY | | | | 102 | 103 | | 100 |
| SURR 3(DCE) %RECOVERY | | | | 111 | 108 | | 92 |
| M/E 50 | | | | | | 19 | |
| M/E 75 | | | | | | 51 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 8 | |
| M/E 173-1 | | | | | | 0 | |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MSD % RECOVERY | TRIP BLANK TRIP BLANK | TRIP BLANK TRIP BLANK | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | | | | INN30018A | INN39017A | IN0707885 | IN0707887 |
| SAMPLE NUMBER | IN417011B | IN417011B | IN417011B | WATER | WATER | WATER | WATER |
| MATRIX | WATER | WATER | WATER | UG/L | UG/L | % | RRF |
| UNITS | UG/L | UG/L | UG/L | 99 | 99 | | |
| ENV PROBLEM NO | 2 | 2 | 2 | | | | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 96 | |
| M/E 175-1 | | | | | | 8.1 | |
| M/E 175-2 | | | | | | 8.4 | |
| M/E 176-1 | | | | | | 94 | |
| M/E 176-2 | | | | | | 98 | |
| M/E 177-1 | | | | | | 7 | |
| M/E 177-2 | | | | | | 7.5 | |
| INTERNAL STD AREA(BCM) | | | | 52900 | 47300 | | |
| INTERNAL STD AREA(CBZ) | | | | 153000 | 129000 | | |
| INTERNAL STD AREA(DFB) | | | | 179000 | 147000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 8(14 D) | 8(14 D) | 10(14 D) | 7(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN0707887 | IN0707888 | IN510082B | IN510093A | IN510106A | IN513074A | IN513085A |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | % | AREA | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | | | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 21 | | 10 U | 10 U | 11 | 11 | 10 U |
| BENZENE | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 2.2 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 3.4 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 14 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 10 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 0.5 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 1.6 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 17 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 0.9 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 28 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 2.2 | | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN0707887 | IN0707888 | IN510082B | IN510093A | IN510106A | IN513074A | IN513085A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 |
| DIBROMOCHLOROMETHANE | 2.1 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 3 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 7.5 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 0.7 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 | | 5 U | 5 U | 5 U | 1 J | 1 J |
| TOLUENE-D8 | 0.1 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 3.8 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 15 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 654 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 16 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 0.2 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 3.9 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 6.7 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 0.6 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 1.8 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 43 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 0.1 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | 8.4 | | | | | | |
| 1,2-DICHLOROETHENE | 5.5 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5.6 | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | 0.5 | | | | | | |
| 2-BUTANONE | 2.9 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 6.8 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 7.2 | | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | 98 | 100 | 98 | 99 | 99 |
| SURR 2(BFB) %RECOVERY | | | 102 | 102 | 100 | 104 | 102 |
| SURR 3(DCE) %RECOVERY | | | 105 | 105 | 110 | 113 | 110 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN0707887 | IN0707888 | IN510082B | IN510093A | IN510106A | IN513074A | IN513085A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | 56200 | 49100 | 51800 | 52600 | 48900 | 49500 |
| INTERNAL STD AREA(CBZ) | | 138000 | 140000 | 145000 | 153000 | 136000 | 143000 |
| INTERNAL STD AREA(DFB) | | 169000 | 163000 | 174000 | 180000 | 158000 | 164000 |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | | | 8(14 D) | 8(14 D) | 8(14 D) | 7(14 D) | 7(14 D) |

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | BLANK |
| SAMPLE NUMBER | IN513096A | IN513109A | IN516077A | IN516088A | IN516099A | IN516102A | VBK07078 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | |
| ACETONE | 14 | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | BLANK |
| SAMPLE NUMBER | IN513096A | IN513109A | IN516077A | IN516088A | IN516099A | IN516102A | VBK07078 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 97 | 96 | 99 | 99 | 98 | 98 | 100 |
| SURR 2(BFB) %RECOVERY | 106 | 101 | 102 | 103 | 101 | 104 | 102 |
| SURR 3(DCE) %RECOVERY | 112 | 112 | 108 | 110 | 112 | 112 | 102 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | METHOD |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | BLANK |
| SAMPLE NUMBER | IN513096A | IN513109A | IN516077A | IN516088A | IN516099A | IN516102A | VBK07078 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | |
| INTERNAL STD AREA(BCM) | 46100 | 52900 | 53200 | 52500 | 51800 | 47000 | 51300 |
| INTERNAL STD AREA(CBZ) | 127000 | 151000 | 151000 | 147000 | 148000 | 131000 | 140000 |
| INTERNAL STD AREA(DFB) | 146000 | 172000 | 176000 | 173000 | 174000 | 152000 | 169000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | 7(14 D) | 13(14 D) | 13(14 D) | 13(14 D) | 13(14 D) | |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0714885 | IN0714887 | IN0714887 | IN0714888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.407 | 9.1 | | 0.348 | 14.6 | |
| BENZENE | | 0.741 | 2.1 | | 0.736 | 0.7 | |
| BROMODICHLOROMETHANE | | 1.05 | 5.2 | | 0.909 | 13.5 | |
| BROMOFORM | | 0.817 | 5.5 | | 0.637 | 22 | |
| BROMOMETHANE | | 1.293 | 5.5 | | 1.348 | 4.2 | |
| CARBON DISULFIDE | | 2.519 | 6 | | 2.635 | 4.6 | |
| CARBON TETRACHLORIDE | | 0.974 | 6.4 | | 0.836 | 14.1 | |
| CHLOROBENZENE | | 0.981 | 2.6 | | 0.938 | 4.4 | |
| CHLOROETHANE | | 0.491 | 5.4 | | 0.565 | 15.2 | |
| CHLOROFORM | | 2.947 | 3.9 | | 2.597 | 11.9 | |
| CHLOROMETHANE | | 0.528 | 9.1 | | 0.66 | 25 | |
| CIS-1,3-DICHLOROPROPENE | | 0.719 | 4.6 | | 0.683 | 5 | |
| DIBROMOCHLOROMETHANE | | 1.026 | 4.5 | | 0.844 | 17.7 | |
| ETHYLBENZENE | | 0.435 | 2.5 | | 0.422 | 2.9 | |
| METHYLENE CHLORIDE | | 1.11 | 3.3 | | 1.062 | 4.3 | |
| STYRENE | | 0.893 | 4 | | 0.834 | 6.6 | |
| TETRACHLOROETHENE | | 0.577 | 2.2 | | 0.556 | 3.8 | |
| TOLUENE | | 0.643 | 2.4 | | 0.617 | 4.1 | |
| TOLUENE-D8 | | 1.046 | 0.6 | | 1.086 | 3.8 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.475 | 4.8 | | 0.433 | 8.9 | |
| TRICHLOROETHENE | | 0.657 | 5.4 | | 0.495 | 24.6 | |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0714885 | IN0714887 | IN0714887 | IN0714888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| VINYL ACETATE | | 0.034 | 48.1 | | 0.453 | 1245 | |
| VINYL CHLORIDE | | 0.721 | 6.5 | | 0.823 | 14.1 | |
| XYLENE (TOTAL) | | 0.531 | 2.4 | | 0.502 | 5.5 | |
| 1,1-DICHLOROETHANE | | 1.958 | 3.1 | | 1.885 | 3.7 | |
| 1,1-DICHLOROETHENE | | 1.095 | 2.8 | | 1.076 | 1.7 | |
| 1,1,1-TRICHLOROETHANE | | 0.866 | 6 | | 0.744 | 14.1 | |
| 1,1,2-TRICHLOROETHANE | | 0.395 | 4.3 | | 0.346 | 12.4 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.476 | 13.9 | | 0.606 | 27.4 | |
| 1,2-DICHLOROETHANE | | 2.287 | 3.5 | | 1.892 | 17.3 | |
| 1,2-DICHLOROETHANE-D4 | | 2.031 | 6.4 | | 1.742 | 14.2 | |
| 1,2-DICHLOROETHENE | | 1.076 | 4.1 | | 1.076 | 0.1 | |
| 1,2-DICHLOROPROPANE | | 0.341 | 3.2 | | 0.335 | 1.6 | |
| 1,4-BROMOFLUOROBENZENE | | 0.992 | 1.9 | | 1.001 | 0.9 | |
| 2-BUTANONE | | 0.028 | 9.1 | | 0.023 | 20.8 | |
| 2-HEXANONE | | 0.267 | 7.8 | | 0.204 | 23.4 | |
| 4-METHYL-2-PENTANONE | | 0.388 | 9.4 | | 0.292 | 24.7 | |
| SURR 1(TOL) %RECOVERY | | | | | 104 | | |
| SURR 2(BFB) %RECOVERY | | | | | 101 | | |
| SURR 3(DCE) %RECOVERY | | | | | 86 | | |
| M/E 50 | 22 | | | 20 | | | |
| M/E 75 | 59 | | | 49 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 8 | | | 8.8 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 89 | | | 85 | | | |
| M/E 175-1 | 6.5 | | | 7.4 | | | |
| M/E 175-2 | 7.3 | | | 8.7 | | | |
| M/E 176-1 | 89 | | | 85 | | | |
| M/E 176-2 | 100 | | | 99 | | | |
| M/E 177-1 | 6.4 | | | 6.7 | | | |
| M/E 177-2 | 7.2 | | | 7.9 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 76400 |
| INTERNAL STD AREA(CBZ) | | | | | | | 196000 |
| INTERNAL STD AREA(DFB) | | | | | | | 234000 |
| DILUTION FACTOR | | | | | | | |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0714885 | IN0714887 | IN0714887 | IN0714888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | | QA |
|---|---|---|
| LOCATION | WELL P&W 2 | METHOD |
| TYPE OF LOCATION | WELL | BLANK |
| SAMPLE NUMBER | IN401013A | VBK07148 |
| MATRIX | WATER | WATER |
| UNITS | UG/L | UG/L |
| ENV PROBLEM NO | 2 | |
| ACETONE | 6 J | 10 U |
| BENZENE | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U |
| STYRENE | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U |
| TOLUENE | 5 U | 5 U |
| TOLUENE-D8 | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U |

TABLE D.6.3 INEL VOLATILE ORGANICS - SDG NUMBER: IN401013A

DRAFT DO NOT CITE

| AREA | | QA |
|---|---|---|
| LOCATION | WELL P&W 2 | METHOD |
| TYPE OF LOCATION | WELL | BLANK |
| SAMPLE NUMBER | IN401013A | VBK07148 |
| MATRIX | WATER | WATER |
| UNITS | UG/L | UG/L |
| ENV PROBLEM NO | 2 | |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | |
| 2-BUTANONE | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 95 | 95 |
| SURR 2(BFB) %RECOVERY | 102 | 98 |
| SURR 3(DCE) %RECOVERY | 102 | 102 |
| M/E 50 | | |
| M/E 75 | | |
| M/E 95 | | |
| M/E 96 | | |
| M/E 173-1 | | |
| M/E 173-2 | | |
| M/E 174 | | |
| M/E 175-1 | | |
| M/E 175-2 | | |
| M/E 176-1 | | |
| M/E 176-2 | | |
| M/E 177-1 | | |
| M/E 177-2 | | |
| INTERNAL STD AREA(BCM) | 58200 | 55100 |
| INTERNAL STD AREA(CBZ) | 161000 | 152000 |
| INTERNAL STD AREA(DFB) | 194000 | 183000 |
| DILUTION FACTOR | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 1(14 D) | |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0719885 | IN0719887 | IN0719887 | IN0719888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.407 | 9.1 | | 0.33 | 19 | |
| BENZENE | | 0.741 | 2.1 | | 0.711 | 4.1 | |
| BROMODICHLOROMETHANE | | 1.05 | 5.2 | | 0.873 | 16.9 | |
| BROMOFORM | | 0.817 | 5.5 | | 0.663 | 18.9 | |
| BROMOMETHANE | | 1.293 | 5.5 | | 1.599 | 23.7 | |
| CARBON DISULFIDE | | 2.519 | 6 | | 2.656 | 5.4 | |
| CARBON TETRACHLORIDE | | 0.974 | 6.4 | | 0.779 | 20 | |
| CHLOROBENZENE | | 0.981 | 2.6 | | 0.909 | 7.4 | |
| CHLOROETHANE | | 0.491 | 5.4 | | 0.589 | 20 | |
| CHLOROFORM | | 2.947 | 3.9 | | 2.559 | 13.2 | |
| CHLOROMETHANE | | 0.528 | 9.1 | | 0.649 | 22.8 | |
| CIS-1,3-DICHLOROPROPENE | | 0.719 | 4.6 | | 0.646 | 10.2 | |
| DIBROMOCHLOROMETHANE | | 1.026 | 4.5 | | 0.863 | 15.9 | |
| ETHYLBENZENE | | 0.435 | 2.5 | | 0.405 | 6.8 | |
| METHYLENE CHLORIDE | | 1.11 | 3.3 | | 1.165 | 5 | |
| STYRENE | | 0.893 | 4 | | 0.838 | 6.2 | |
| TETRACHLOROETHENE | | 0.577 | 2.2 | | 0.508 | 12.1 | |
| TOLUENE | | 0.643 | 2.4 | | 0.589 | 8.4 | |
| TOLUENE-D8 | | 1.046 | 0.6 | | 1.014 | 3.1 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.475 | 4.8 | | 0.409 | 14 | |
| TRICHLOROETHENE | | 0.657 | 5.4 | | 0.502 | 23.5 | |
| VINYL ACETATE | | 0.034 | 48.1 | | 0.258 | 666.7 | |
| VINYL CHLORIDE | | 0.721 | 6.5 | | 0.865 | 19.9 | |
| XYLENE (TOTAL) | | 0.531 | 2.4 | | 0.489 | 7.9 | |
| 1,1-DICHLOROETHANE | | 1.958 | 3.1 | | 1.77 | 9.6 | |
| 1,1-DICHLOROETHENE | | 1.095 | 2.8 | | 1.126 | 2.9 | |
| 1,1,1-TRICHLOROETHANE | | 0.866 | 6 | | 0.697 | 19.6 | |
| 1,1,2-TRICHLOROETHANE | | 0.395 | 4.3 | | 0.361 | 8.5 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.476 | 13.9 | | 0.614 | 29.2 | |
| 1,2-DICHLOROETHANE | | 2.287 | 3.5 | | 1.718 | 24.9 | |
| 1,2-DICHLOROETHANE-D4 | | 2.031 | 6.4 | | 1.601 | 21.2 | |
| 1,2-DICHLOROETHENE | | 1.076 | 4.1 | | 1.083 | 0.6 | |
| 1,2-DICHLOROPROPANE | | 0.341 | 3.2 | | 0.301 | 11.7 | |
| 1,4-BROMOFLUOROBENZENE | | 0.992 | 1.9 | | 0.871 | 12.2 | |
| 2-BUTANONE | | 0.028 | 9.1 | | 0.023 | 18.3 | |
| 2-HEXANONE | | 0.267 | 7.8 | | 0.193 | 27.8 | |
| 4-METHYL-2-PENTANONE | | 0.388 | 9.4 | | 0.302 | 22 | |
| SURR 1(TOL) %RECOVERY | | | | | 96 | | |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0719885 | IN0719887 | IN0719887 | IN0719888 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 98 | | |
| SURR 3(DCE) %RECOVERY | | | | | 78 | | |
| M/E 50 | 22 | | | 21 | | | |
| M/E 75 | 59 | | | 54 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 8 | | | 8.2 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 89 | | | 85 | | | |
| M/E 175-1 | 6.5 | | | 6.6 | | | |
| M/E 175-2 | 7.3 | | | 7.7 | | | |
| M/E 176-1 | 89 | | | 84 | | | |
| M/E 176-2 | 100 | | | 99 | | | |
| M/E 177-1 | 6.4 | | | 6.2 | | | |
| M/E 177-2 | 7.2 | | | 7.3 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 59200 |
| INTERNAL STD AREA(CBZ) | | | | | | | 160000 |
| INTERNAL STD AREA(DFB) | | | | | | | 189000 |
| DILUTION FACTOR | | | | | | | 0 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TRIP BLANK | TRIP BLANK | WELL P&W 2 | USGS-37 | MATRIX | MS % |
| TYPE OF LOCATION | BLANK | TRIP BLANK | TRIP BLANK | WELL | WELL | SPIKE | RECOVERY |
| SAMPLE NUMBER | VBKQ7198 | INN47017A | INN50012A | IN401024B | IN418012A | IN418012A | IN418012A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | 99 | 99 | 2 | 2 | 2 | 2 |
| ACETONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 51 | 102 |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B

DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRIP BLANK | TRIP BLANK | WELL P&W 2 | USGS-37 | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | BLANK | TRIP BLANK | TRIP BLANK | WELL | WELL | SPIKE | RECOVERY |
| SAMPLE NUMBER | VBK07198 | INN47017A | INN50012A | IN401024B | IN418012A | IN418012A | IN418012A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | 99 | 99 | 2 | 2 | 2 | 2 |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 55 | 110 |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TOLUENE | 5 U | 5 U | 5 U | 1 J | 5 U | 53 | 106 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 48 | 96 |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 44 | 88 |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| SURR 1(TOL) %RECOVERY | 100 | 102 | 102 | 102 | 102 | 102 | |
| SURR 2(BFB) %RECOVERY | 104 | 106 | 106 | 108 | 108 | 108 | |
| SURR 3(DCE) %RECOVERY | 98 | 104 | 112 | 112 | 110 | 110 | |

M/E 50

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRIP BLANK | TRIP BLANK | WELL P&W 2 | USGS-37 | MATRIX SPIKE | MS % RECOVERY |
| TYPE OF LOCATION | | TRIP BLANK | TRIP BLANK | WELL | WELL | | |
| SAMPLE NUMBER | VBK07198 | INN47017A | INN50012A | IN401024B | IN418012A | IN418012A | IN418012A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | | 99 | 99 | 2 | 2 | 2 | 2 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 53900 | 47500 | 44300 | 46700 | 47400 | 48600 | |
| INTERNAL STD AREA(CBZ) | 153000 | 139000 | 134000 | 137000 | 138000 | 142000 | |
| INTERNAL STD AREA(DFB) | 183000 | 166000 | 156000 | 160000 | 161000 | 166000 | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | |
| ACTUAL(ALLOWED) HOLD TIME | | 6(14 D) | 5(14 D) | 6(14 D) | 5(14 D) | 5(14 D) | |

| AREA | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | USGS-19 WELL | USGS-19 WELL | TRIP BLANK TRIP BLANK | TUNED CALIBRATION |
| SAMPLE NUMBER | IN418012A | IN418012A | IN418012A | IN402014A | IN402025A | INN51013A | IN0726885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | UG/L | % | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 99 | |
| ACETONE | | 10 U | | 10 U | 10 U | 10 U | |
| BENZENE | 0 | 51 | 102 | 5 U | 5 U | 5 U | |
| BROMODICHLOROMETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| BROMOFORM | | 5 U | | 5 U | 5 U | 5 U | |
| BROMOMETHANE | | 10 U | | 10 U | 10 U | 10 U | |
| CARBON DISULFIDE | | 5 U | | 5 U | 5 U | 5 U | |
| CARBON TETRACHLORIDE | | 5 U | | 5 U | 5 U | 5 U | |
| CHLOROBENZENE | 0 | 55 | 110 | 5 U | 5 U | 5 U | |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | RPD | MATRIX SPIKE | MSD % | USGS-19 | USGS-19 | TRIP BLANK | TUNED |
| TYPE OF LOCATION | | DUPLICATE | RECOVERY | WELL | WELL | TRIP BLANK | CALIBRATION |
| SAMPLE NUMBER | IN418012A | IN418012A | IN418012A | IN402014A | IN402025A | INN51013A | IN0726885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | UG/L | % | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 99 | |
| CHLOROETHANE | | 10 U | | 10 U | 10 U | 10 U | |
| CHLOROFORM | | 5 U | | 5 U | 5 U | 5 U | |
| CHLOROMETHANE | | 10 U | | 10 U | 10 U | 10 U | |
| CIS-1,3-DICHLOROPROPENE | | 5 U | | 5 U | 5 U | 5 U | |
| DIBROMOCHLOROMETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| ETHYLBENZENE | | 5 U | | 5 U | 5 U | 5 U | |
| METHYLENE CHLORIDE | | 5 U | | 5 U | 5 U | 5 U | |
| STYRENE | | 5 U | | 5 U | 5 U | 5 U | |
| TETRACHLOROETHENE | | 5 U | | 5 U | 5 U | 5 U | |
| TOLUENE | 0 | 53 | 106 | 5 U | 5 U | 5 U | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 5 U | | 5 U | 5 U | 5 U | |
| TRICHLOROETHENE | 2 | 49 | 98 | 5 U | 5 U | 5 U | |
| VINYL ACETATE | | 10 U | | 10 U | 10 U | 10 U | |
| VINYL CHLORIDE | | 10 U | | 10 U | 10 U | 10 U | |
| XYLENE (TOTAL) | | 5 U | | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHENE | 5 | 42 | 84 | 5 U | 5 U | 5 U | |
| 1,1,1-TRICHLOROETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,1,2-TRICHLOROETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROPROPANE | | 5 U | | 5 U | 5 U | 5 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | | 10 U | | 10 U | 10 U | 10 U | |
| 2-HEXANONE | | 10 U | | 10 U | 10 U | 10 U | |
| 4-METHYL-2-PENTANONE | | 10 U | | 10 U | 10 U | 10 U | |
| SURR 1(TOL) %RECOVERY | | 102 | | 100 | 102 | 100 | |
| SURR 2(BFB) %RECOVERY | | 110 | | 110 | 110 | 112 | |
| SURR 3(DCE) %RECOVERY | | 110 | | 112 | 114 | 109 | |
| M/E 50 | | | | | | | 20 |
| M/E 75 | | | | | | | 49 |
| M/E 95 | | | | | | | 100 |
| M/E 96 | | | | | | | 7.7 |
| M/E 173-1 | | | | | | | 0 |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | RPD | MATRIX SPIKE | MSD % | USGS-19 | USGS-19 | TRIP BLANK | TUNED |
| TYPE OF LOCATION | | DUPLICATE | RECOVERY | WELL | WELL | TRIP BLANK | CALIBRATION |
| SAMPLE NUMBER | IN418012A | IN418012A | IN418012A | IN402014A | IN402025A | INN51013A | IN0726885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | UG/L | % | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | 99 | |
| M/E 173-2 | | | | | | | 0 |
| M/E 174 | | | | | | | 85 |
| M/E 175-1 | | | | | | | 7 |
| M/E 175-2 | | | | | | | 8.2 |
| M/E 176-1 | | | | | | | 84 |
| M/E 176-2 | | | | | | | 99 |
| M/E 177-1 | | | | | | | 5.2 |
| M/E 177-2 | | | | | | | 6.2 |
| INTERNAL STD AREA(BCM) | | 41500 | | 37500 | 44000 | 34400 | |
| INTERNAL STD AREA(CBZ) | | 116000 | | 114000 | 131000 | 101000 | |
| INTERNAL STD AREA(DFB) | | 136000 | | 133000 | 154000 | 116000 | |
| DILUTION FACTOR | | 1 | | 1 | 1 | 1 | |
| ACTUAL(ALLOWED) HOLD TIME | | 5(14 D) | | 4(14 D) | 4(14 D) | 1(14 D) | |

| AREA | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | TRIP BLANK | USGS-27 | METHOD | USGS-27 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | TRIP BLANK | WELL | BLANK | WELL |
| SAMPLE NUMBER | IN0726887 | IN0726887 | IN0726888 | INN59011A | IN403026A | VBK07268 | IN403015A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | AREA | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 99 | 2 | | 2 |
| ACETONE | 0.437 | 7.4 | | 10 U | 10 U | 5 J | 10 U |
| BENZENE | 0.728 | 1.7 | | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 0.855 | 18.6 | | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 0.666 | 18.5 | | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 1.592 | 23.1 | | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 2.751 | 9.2 | | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 0.714 | 26.7 | | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 0.952 | 3 | | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 0.602 | 22.7 | | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 2.647 | 10.2 | | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 0.696 | 31.7 | | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 0.663 | 7.8 | | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | TRIP BLANK | USGS-27 | METHOD | USGS-27 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | TRIP BLANK | WELL | BLANK | WELL |
| SAMPLE NUMBER | IN0726887 | IN0726887 | IN0726888 | INN59011A | IN403026A | VBK07268 | IN403015A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | AREA | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 99 | 2 | | 2 |
| DIBROMOCHLOROMETHANE | 0.828 | 19.3 | | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 0.418 | 3.8 | | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 1.16 | 4.6 | | 6 U | 5 U | 5 U | 5 U |
| STYRENE | 0.86 | 3.8 | | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 0.53 | 8.1 | | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 0.613 | 4.7 | | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | 1.044 | 0.2 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.432 | 9.1 | | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 0.499 | 24 | | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 0.418 | 1140 | | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 0.884 | 22.6 | | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 0.52 | 2.1 | | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 1.881 | 3.9 | | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 1.16 | 6 | | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 0.658 | 24.1 | | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 0.375 | 5 | | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 0.694 | 45.9 | | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 1.852 | 19 | | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | 1.664 | 18.1 | | | | | |
| 1,2-DICHLOROETHENE | 1.161 | 7.9 | | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 0.32 | 6.1 | | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | 0.945 | 4.8 | | | | | |
| 2-BUTANONE | 0.028 | 1.7 | | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 0.239 | 10.5 | | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 0.364 | 6.1 | | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 100 | | | 98 | 100 | 102 | 102 |
| SURR 2(BFB) %RECOVERY | 96 | | | 106 | 108 | 98 | 98 |
| SURR 3(DCE) %RECOVERY | 82 | | | 108 | 108 | 96 | 100 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | TRIP BLANK | USGS-27 | METHOD | USGS-27 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | TRIP BLANK | WELL | BLANK | WELL |
| SAMPLE NUMBER | IN0726887 | IN0726887 | IN0726888 | INN59011A | IN403026A | VBK07268 | IN403015A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | AREA | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | 99 | 2 | | 2 |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 85600 | 57200 | 58600 | 79100 | 62100 |
| INTERNAL STD AREA(CBZ) | | | 238000 | 155000 | 174000 | 227000 | 181000 |
| INTERNAL STD AREA(DFB) | | | 287000 | 179000 | 204000 | 273000 | 215000 |
| DILUTION FACTOR | | | 0 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | | | | 5(14 D) | 6(14 D) | | 6(14 D) |

AREA

| LOCATION | USGS-82 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WELL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN420016A | IN501070A | IN501081A | IN501092A | IN501105A | IN501116A | IN501127A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| ACETONE | 10 U | 7 BJ | 10 U | 9 BJ | 10 U | 8 BJ | 9 BJ |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B

DRAFT DO NOT CITE

AREA

| LOCATION | USGS-82 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WELL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN420016A | IN501070A | IN501081A | IN501092A | IN501105A | IN501116A | IN501127A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 102 | 102 | 100 | 102 | 102 | 100 | 100 |
| SURR 2(BFB) %RECOVERY | 100 | 102 | 102 | 104 | 102 | 104 | 102 |
| SURR 3(DCE) %RECOVERY | 102 | 104 | 106 | 106 | 104 | 108 | 110 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B DRAFT DO NOT CITE

AREA

| LOCATION | USGS-82 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WELL | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN420016A | IN501070A | IN501081A | IN501092A | IN501105A | IN501116A | IN501127A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| INTERNAL STD AREA(BCM) | 72800 | 74800 | 66600 | 53800 | 69500 | 58000 | 58800 |
| INTERNAL STD AREA(CBZ) | 213000 | 215000 | 189000 | 148000 | 190000 | 161000 | 166000 |
| INTERNAL STD AREA(DFB) | 253000 | 257000 | 223000 | 175000 | 227000 | 187000 | 192000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 6(14 D) | 6(14 D) | 6(14 D) | 6(14 D) | 6(14 D) | 6(14 D) | 6(14 D) |

AREA

| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND |
| SAMPLE NUMBER | IN815217A | IN0727885 | IN0727887 | IN0727887 | IN0727888 | VBK07278 | IN806216A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | RRF | % | AREA | UG/L | UG/L |
| ENV PROBLEM NO | 7 | | | | | | 5 |
| ACETONE | 11 B | | 0.49 | 20.4 | | 10 U | 7 BJ |
| BENZENE | 5 U | | 0.762 | 2.8 | | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | | 1.015 | 3.3 | | 5 U | 5 U |
| BROMOFORM | 5 U | | 0.815 | 0.2 | | 5 U | 5 U |
| BROMOMETHANE | 10 U | | 1.367 | 5.7 | | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | | 2.049 | 18.6 | | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | | 0.638 | 34.5 | | 5 U | 5 U |
| CHLOROBENZENE | 5 U | | 0.955 | 2.7 | | 5 U | 5 U |
| CHLOROETHANE | 10 U | | 0.545 | 11.1 | | 10 U | 10 U |
| CHLOROFORM | 5 U | | 2.415 | 18.1 | | 5 U | 5 U |
| CHLOROMETHANE | 10 U | | 0.637 | 20.5 | | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | | 0.792 | 10.2 | | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | | 1.029 | 0.3 | | 5 U | 5 U |
| ETHYLBENZENE | 5 U | | 0.385 | 11.5 | | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | | 1.135 | 2.3 | | 5 U | 5 U |
| STYRENE | 5 U | | 0.883 | 1.1 | | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | | 0.44 | 23.7 | | 5 U | 5 U |
| TOLUENE | 4 J | | 0.582 | 9.6 | | 5 U | 5 U |
| TOLUENE-D8 | | | 0.975 | 6.8 | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | | 0.536 | 12.7 | | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | | 0.468 | 28.7 | | 5 U | 5 U |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND |
| SAMPLE NUMBER | IN815217A | IN0727885 | IN0727887 | IN0727887 | IN0727888 | VBK07278 | IN806216A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | RRF | % | AREA | UG/L | UG/L |
| ENV PROBLEM NO | 7 | | | | | | 5 |
| VINYL ACETATE | 10 U | | 0.697 | 1968 | | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | | 0.706 | 2 | | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | | 0.506 | 4.7 | | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | | 1.707 | 12.8 | | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | | 0.844 | 22.9 | | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | | 0.614 | 29.1 | | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | | 0.475 | 20.3 | | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | | 0.85 | 78.7 | | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | | 2.008 | 12.2 | | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | 1.758 | 13.4 | | | |
| 1,2-DICHLOROETHENE | 5 U | | 0.923 | 14.3 | | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | | 0.373 | 9.4 | | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | 0.994 | 0.2 | | | |
| 2-BUTANONE | 10 U | | 0.029 | 2 | | 10 U | 10 U |
| 2-HEXANONE | 10 U | | 0.261 | 2.3 | | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | | 0.436 | 12.5 | | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 100 | | 94 | | | 100 | 108 |
| SURR 2(BFB) %RECOVERY | 102 | | 100 | | | 98 | 98 |
| SURR 3(DCE) %RECOVERY | 106 | | 86 | | | 84 | 100 |
| M/E 50 | | 19 | | | | | |
| M/E 75 | | 47 | | | | | |
| M/E 95 | | 100 | | | | | |
| M/E 96 | | 8.5 | | | | | |
| M/E 173-1 | | 0 | | | | | |
| M/E 173-2 | | 0 | | | | | |
| M/E 174 | | 85 | | | | | |
| M/E 175-1 | | 7.1 | | | | | |
| M/E 175-2 | | 8.4 | | | | | |
| M/E 176-1 | | 84 | | | | | |
| M/E 176-2 | | 99 | | | | | |
| M/E 177-1 | | 6.2 | | | | | |
| M/E 177-2 | | 7.4 | | | | | |
| INTERNAL STD AREA(BCM) | 61500 | | | | 52900 | 64900 | 64100 |
| INTERNAL STD AREA(CBZ) | 179000 | | | | 134000 | 189000 | 189000 |
| INTERNAL STD AREA(DFB) | 211000 | | | | 149000 | 221000 | 221000 |
| DILUTION FACTOR | 1 | | | | 0 | 1 | 1 |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND |
| SAMPLE NUMBER | IN815217A | IN0727885 | IN0727887 | IN0727887 | IN0727888 | VBK07278 | IN806216A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | RRF | % | AREA | UG/L | UG/L |
| ENV PROBLEM NO | 7 | | | | | | 5 |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 2(14 D) |

| AREA | |
|---|---|
| LOCATION | OMRE |
| TYPE OF LOCATION | LEACH POND |
| SAMPLE NUMBER | IN807104A |
| MATRIX | WATER |
| UNITS | UG/L |
| ENV PROBLEM NO | 5 |
| ACETONE | 10 U |
| BENZENE | 5 U |
| BROMODICHLOROMETHANE | 5 U |
| BROMOFORM | 5 U |
| BROMOMETHANE | 10 U |
| CARBON DISULFIDE | 5 U |
| CARBON TETRACHLORIDE | 5 U |
| CHLOROBENZENE | 5 U |
| CHLOROETHANE | 10 U |
| CHLOROFORM | 5 U |
| CHLOROMETHANE | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U |
| DIBROMOCHLOROMETHANE | 5 U |
| ETHYLBENZENE | 5 U |
| METHYLENE CHLORIDE | 5 U |
| STYRENE | 5 U |
| TETRACHLOROETHENE | 5 U |
| TOLUENE | 5 U |
| TOLUENE-D8 | |
| TRANS-1,3-DICHLOROPROPENE | 5 U |
| TRICHLOROETHENE | 5 U |
| VINYL ACETATE | 10 U |
| VINYL CHLORIDE | 10 U |
| XYLENE (TOTAL) | 5 U |
| 1,1-DICHLOROETHANE | 5 U |
| 1,1-DICHLOROETHENE | 5 U |

TABLE D.6.4 INEL VOLATILE ORGANICS - SDG NUMBER: IN401024B

DRAFT DO NOT CITE

AREA

| | |
|---|---|
| LOCATION | OMRE |
| TYPE OF LOCATION | LEACH POND |
| SAMPLE NUMBER | IN807104A |
| MATRIX | WATER |
| UNITS | UG/L |
| ENV PROBLEM NO | 5 |
| 1,1,1-TRICHLOROETHANE | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U |
| 1,2-DICHLOROETHANE | 5 U |
| 1,2-DICHLOROETHANE-D4 | |
| 1,2-DICHLOROETHENE | 5 U |
| 1,2-DICHLOROPROPANE | 5 U |
| 1,4-BROMOFLUOROBENZENE | |
| 2-BUTANONE | 10 U |
| 2-HEXANONE | 10 U |
| 4-METHYL-2-PENTANONE | 10 U |
| SURR 1(TOL) %RECOVERY | 106 |
| SURR 2(BFB) %RECOVERY | 98 |
| SURR 3(DCE) %RECOVERY | 100 |
| M/E 50 | |
| M/E 75 | |
| M/E 95 | |
| M/E 96 | |
| M/E 173-1 | |
| M/E 173-2 | |
| M/E 174 | |
| M/E 175-1 | |
| M/E 175-2 | |
| M/E 176-1 | |
| M/E 176-2 | |
| M/E 177-1 | |
| M/E 177-2 | |
| INTERNAL STD AREA(BCM) | 64700 |
| INTERNAL STD AREA(CBZ) | 189000 |
| INTERNAL STD AREA(DFB) | 219000 |
| DILUTION FACTOR | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 2(14 D) |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0615885 | IN0615886 | IN0615886 | IN0622885 | IN0622887 | IN0622887 | IN0622888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.322 | 19 | | 0.318 | 4.8 | |
| BENZENE | | 1.021 | 2.8 | | 1.141 | 12 | |
| BROMODICHLOROMETHANE | | 1.168 | 2.1 | | 1.248 | 6.9 | |
| BROMOFORM | | 0.608 | 2.2 | | 0.521 | 14 | |
| BROMOMETHANE | | 1.963 | 4.7 | | 2.419 | 23 | |
| CARBON DISULFIDE | | 3.626 | 7.9 | | 4.622 | 28 | |
| CARBON TETRACHLORIDE | | 0.834 | 1.7 | | 0.882 | 5.7 | |
| CHLOROBENZENE | | 1.024 | 3.2 | | 1.058 | 3.4 | |
| CHLOROETHANE | | 0.897 | 10 | | 1.064 | 19 | |
| CHLOROFORM | | 3.588 | 2.7 | | 3.769 | 5 | |
| CHLOROMETHANE | | 1.814 | 18 | | 1.566 | 14 | |
| CIS-1,3-DICHLOROPROPENE | | 0.826 | 3.8 | | 0.885 | 7.1 | |
| DIBROMOCHLOROMETHANE | | 0.899 | 1.3 | | 0.885 | 1.6 | |
| ETHYLBENZENE | | 0.442 | 2.7 | | 0.461 | 4.5 | |
| METHYLENE CHLORIDE | | 1.335 | 3.3 | | 1.699 | 27 | |
| STYRENE | | 0.903 | 4.3 | | 0.911 | 0.82 | |
| TETRACHLOROETHENE | | 0.512 | 2.7 | | 0.502 | 2 | |
| TOLUENE | | 0.738 | 2.7 | | 0.792 | 7.4 | |
| TOLUENE-D8 | | 1.122 | 2 | | 1.164 | 3.7 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.471 | 3.5 | | 0.496 | 5.3 | |
| TRICHLOROETHENE | | 0.489 | 4.6 | | 0.493 | 0.82 | |
| VINYL ACETATE | | 0.46 | 33 | | 0.544 | 18 | |
| VINYL CHLORIDE | | 1.47 | 10 | | 1.832 | 25 | |
| XYLENE (TOTAL) | | 0.577 | 7.6 | | 0.545 | 5.6 | |
| 1,1-DICHLOROETHANE | | 3.098 | 4 | | 3.369 | 8.7 | |
| 1,1-DICHLOROETHENE | | 1.277 | 5.5 | | 1.39 | 8.8 | |
| 1,1,1-TRICHLOROETHANE | | 0.803 | 1.9 | | 0.888 | 11 | |
| 1,1,2-TRICHLOROETHANE | | 0.4 | 5 | | 0.426 | 6.6 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.844 | 0.91 | | 0.83 | 1.7 | |
| 1,2-DICHLOROETHANE | | 2.359 | 3.3 | | 2.388 | 1.2 | |
| 1,2-DICHLOROETHANE-D4 | | 2.096 | 5.2 | | 1.939 | 7.5 | |
| 1,2-DICHLOROETHENE | | 1.39 | 2.8 | | 1.445 | 3.9 | |
| 1,2-DICHLOROPROPANE | | 0.54 | 3.9 | | 0.588 | 8.8 | |
| 1,4-BROMOFLUOROBENZENE | | 1.123 | 3 | | 1.125 | 0.17 | |
| 2-BUTANONE | | 0.02 | 11 | | 0.02 | 2.6 | |
| 2-HEXANONE | | 0.305 | 7.7 | | 0.283 | 7.3 | |
| 4-METHYL-2-PENTANONE | | 0.454 | 4.7 | | 0.404 | 11 | |
| SURR 1(TOL) %RECOVERY | | | | | 104 | | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0615885 | IN0615886 | IN0615886 | IN0622885 | IN0622887 | IN0622887 | IN0622888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 100 | | |
| SURR 3(DCE) %RECOVERY | | | | | 92 | | |
| M/E 50 | 24 | | | 25 | | | |
| M/E 75 | 55 | | | 53 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 8.7 | | | 7.6 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 55 | | | 54 | | | |
| M/E 175-1 | 4.9 | | | 4.4 | | | |
| M/E 175-2 | 8.9 | | | 8.2 | | | |
| M/E 176-1 | 53 | | | 52 | | | |
| M/E 176-2 | 96 | | | 47 | | | |
| M/E 177-1 | 3.6 | | | 2.9 | | | |
| M/E 177-2 | 6.8 | | | 5.5 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 75900 |
| INTERNAL STD AREA(CBZ) | | | | | | | 214000 |
| INTERNAL STD AREA(DFB) | | | | | | | 249000 |
| DILUTION FACTOR | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | VBK06228 | IN523112A | IN523123A | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | UG/L | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | 4 | 4 | | | | |
| ACETONE | 10 U | 41 | 39 | | 0.302 | 0.41 | |
| BENZENE | 5 U | 5 U | 5 U | | 0.397 | 0.7 | |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | | 1.205 | 3.2 | |
| BROMOFORM | 5 U | 5 U | 5 U | | 0.504 | 17 | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | CFA STP | CFA STP | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | CFA STP | CFA STP | CFA STP | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| SAMPLE NUMBER | VBK06228 | IN523112A | IN523123A | WATER | NA | NA | WATER |
| MATRIX | WATER | WATER | WATER | % | RRF | % | AREA |
| UNITS | UG/L | UG/L | UG/L | | | | |
| ENV PROBLEM NO | | 4 | 4 | | | | |
| BROMOMETHANE | 10 U | 10 U | 10 U | | 1.572 | 20 | |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | | 4.186 | 15 | |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | | 0.81 | 2.9 | |
| CHLOROBENZENE | 5 U | 5 U | 5 U | | 1.046 | 2.1 | |
| CHLOROETHANE | 10 U | 10 U | 10 U | | 0.843 | 6.1 | |
| CHLOROFORM | 5 U | 1 J | 1 J | | 3.749 | 4.5 | |
| CHLOROMETHANE | 10 U | 10 U | 10 U | | 1.129 | 38 | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | | 0.677 | 18 | |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | | 1.12 | 9.7 | |
| ETHYLBENZENE | 5 U | 5 U | 5 U | | 0.47 | 6.5 | |
| METHYLENE CHLORIDE | 2 J | 1 J | 1 J | | 1.419 | 6.3 | |
| STYRENE | 5 U | 5 U | 5 U | | 0.983 | 8.8 | |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | | 0.472 | 7.9 | |
| TOLUENE | 5 U | 1 J | 1 J | | 0.824 | 12 | |
| TOLUENE-D8 | | | | | 1.197 | 6.7 | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | | 0.604 | 28 | |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | | 0.452 | 7.7 | |
| VINYL ACETATE | 10 U | 10 U | 10 U | | 0.612 | 33 | |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | | 1.331 | 9.5 | |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | | 0.594 | 2.9 | |
| 1,1-DICHLOROETHANE | 5 U | 2 J | 6 | | 3.251 | 4.9 | |
| 1,1-DICHLOROETHENE | 5 U | 4 J | 9 | | 1.264 | 1.1 | |
| 1,1,1-TRICHLOROETHANE | 5 U | 230 E | 700 E | | 0.831 | 3.4 | |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | | 0.877 | 2.5 | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | | 0.882 | 4.4 | |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | | 2.213 | 6.2 | |
| 1,2-DICHLOROETHANE-D4 | | | | | 1.951 | 6.9 | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | | 1.438 | 3.4 | |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | | 0.569 | 5.3 | |
| 1,4-BROMOFLUOROBENZENE | | | | | 1.234 | 9.9 | |
| 2-BUTANONE | 10 U | 10 U | 37 | | 0.019 | 2.4 | |
| 2-HEXANONE | 10 U | 10 U | 10 U | | 0.276 | 9.6 | |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | | 0.41 | 9.6 | |
| SURR 1(TOL) %RECOVERY | 100 | 102 | 106 | | 107 | | |
| SURR 2(BFB) %RECOVERY | 105 | 97 | 106 | | 110 | | |
| SURR 3(DCE) %RECOVERY | 96 | 88 | 94 | | 93 | | |

M/E 50

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | VBK06228 | IN523112A | IN523123A | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | UG/L | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | 4 | 4 | | | | |
| M/E 75 | | | | 57 | | | |
| M/E 95 | | | | 100 | | | |
| M/E 96 | | | | 7.1 | | | |
| M/E 173-1 | | | | 0 | | | |
| M/E 173-2 | | | | 0 | | | |
| M/E 174 | | | | 50 | | | |
| M/E 175-1 | | | | 3.1 | | | |
| M/E 175-2 | | | | 6.2 | | | |
| M/E 176-1 | | | | 49 | | | |
| M/E 176-2 | | | | 98 | | | |
| M/E 177-1 | | | | 3.1 | | | |
| M/E 177-2 | | | | 6.4 | | | |
| INTERNAL STD AREA(BCM) | 70900 | 98100 | 72100 | | | | 46300 |
| INTERNAL STD AREA(CBZ) | 201000 | 248000 | 189000 | | | | 132000 |
| INTERNAL STD AREA(DFB) | 235000 | 290000 | 214000 | | | | 155000 |
| DILUTION FACTOR | 1 | 1 | 1 | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | 5(14 D) | 5(14 D) | | | | |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | TUNED | INITIAL CAL |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | CALIBRATION | RRF |
| SAMPLE NUMBER | VBK06238 | IN523112B | IN523123B | INN04016A | INN05017A | IN0624885 | IN0624886 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | | 4 | 4 | 99 | 99 | | |
| ACETONE | 10 U | 58 | 50 U | 28 | 30 | | 0.271 |
| BENZENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.997 |
| BROMODICHLOROMETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 1.148 |
| BROMOFORM | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.619 |
| BROMOMETHANE | 10 U | 20 U | 50 U | 10 U | 10 U | | 1.629 |
| CARBON DISULFIDE | 5 U | 10 U | 25 U | 5 U | 5 U | | 3.255 |
| CARBON TETRACHLORIDE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.859 |
| CHLOROBENZENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 1.074 |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | TUNED CALIBRATION | INITIAL CAL RRF |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | CALIBRATION | RRF |
| SAMPLE NUMBER | VBK06238 | IN523112B | IN523123B | INN04016A | INN05017A | IN0624885 | IN0624886 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | | 4 | 4 | 99 | 99 | | |
| CHLOROETHANE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.717 |
| CHLOROFORM | 5 U | 2 JD | 25 U | 5 U | 5 U | | 3.245 |
| CHLOROMETHANE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.783 |
| CIS-1,3-DICHLOROPROPENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.865 |
| DIBROMOCHLOROMETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.942 |
| ETHYLBENZENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.477 |
| METHYLENE CHLORIDE | 3 J | 4 JD | 12 JD | 1 J | 5 U | | 1.438 |
| STYRENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.919 |
| TETRACHLOROETHENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.502 |
| TOLUENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.776 |
| TOLUENE-D8 | | | | | | | 1.239 |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.481 |
| TRICHLOROETHENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.568 |
| VINYL ACETATE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.077 |
| VINYL CHLORIDE | 10 U | 20 U | 50 U | 10 U | 10 U | | 1.101 |
| XYLENE (TOTAL) | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.651 |
| 1,1-DICHLOROETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 2.819 |
| 1,1-DICHLOROETHENE | 5 U | 4 JD | 10 JD | 5 U | 5 U | | 1.235 |
| 1,1,1-TRICHLOROETHANE | 5 U | 200 | 590 | 5 U | 5 U | | 0.81 |
| 1,1,2-TRICHLOROETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.428 |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.709 |
| 1,2-DICHLOROETHANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 2.113 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 1.876 |
| 1,2-DICHLOROETHENE | 5 U | 10 U | 25 U | 5 U | 5 U | | 1.252 |
| 1,2-DICHLOROPROPANE | 5 U | 10 U | 25 U | 5 U | 5 U | | 0.536 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 1.136 |
| 2-BUTANONE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.024 |
| 2-HEXANONE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.258 |
| 4-METHYL-2-PENTANONE | 10 U | 20 U | 50 U | 10 U | 10 U | | 0.402 |
| SURR 1(TOL) %RECOVERY | 96 | 98 | 97 | 97 | 98 | | |
| SURR 2(BFB) %RECOVERY | 98 | 89 | 93 | 92 | 92 | | |
| SURR 3(DCE) %RECOVERY | 101 | 95 | 93 | 99 | 94 | | |
| M/E 50 | | | | | | 16 | |
| M/E 75 | | | | | | 45 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 7.7 | |
| M/E 173-1 | | | | | | 0 | |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | TUNED | INITIAL CAL |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | TRIP BLANK | TRIP BLANK | CALIBRATION | RRF |
| SAMPLE NUMBER | VBK06238 | IN523112B | IN523123B | INN04016A | INN05017A | IN0624885 | IN0624886 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | | 4 | 4 | 99 | 99 | | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 65 | |
| M/E 175-1 | | | | | | 4.6 | |
| M/E 175-2 | | | | | | 7.1 | |
| M/E 176-1 | | | | | | 64 | |
| M/E 176-2 | | | | | | 99 | |
| M/E 177-1 | | | | | | 4.7 | |
| M/E 177-2 | | | | | | 7.3 | |
| INTERNAL STD AREA(BCM) | 38800 | 65300 | 65700 | 69800 | 72400 | | |
| INTERNAL STD AREA(CBZ) | 123000 | 185000 | 181000 | 200000 | 195000 | | |
| INTERNAL STD AREA(DFB) | 141000 | 222000 | 213000 | 236000 | 232000 | | |
| DILUTION FACTOR | 1 | 0.5 | 0.2 | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | | 6(14 D) | 6(14 D) | 6(14 D) | 3(14 D) | | |

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | TRIP BLANK | TRIP BLANK | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | % RSD | TRIP BLANK | TRIP BLANK | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0624886 | INN07019A | INN08010A | IN0627885 | IN0627887 | IN0627887 | IN0627888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | % | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | 99 | 99 | | | | |
| ACETONE | 10 | 17 | 12 | | 0.264 | 2.4 | |
| BENZENE | 6.9 | 5 U | 5 U | | 0.974 | 2.3 | |
| BROMODICHLOROMETHANE | 6.7 | 5 U | 5 U | | 1.039 | 9.5 | |
| BROMOFORM | 3.1 | 5 U | 5 U | | 0.579 | 6.5 | |
| BROMOMETHANE | 3.8 | 10 U | 10 U | | 2.04 | 25 | |
| CARBON DISULFIDE | 5.9 | 5 U | 5 U | | 3.623 | 11 | |
| CARBON TETRACHLORIDE | 5.2 | 5 U | 5 U | | 0.835 | 2.7 | |
| CHLOROBENZENE | 2.5 | 5 U | 5 U | | 1.06 | 1.3 | |
| CHLOROETHANE | 11 | 10 U | 10 U | | 0.825 | 15 | |
| CHLOROFORM | 3.7 | 5 U | 5 U | | 3.648 | 12 | |
| CHLOROMETHANE | 16 | 10 U | 10 U | | 0.563 | 28 | |
| CIS-1,3-DICHLOROPROPENE | 11 | 5 U | 5 U | | 0.766 | 11 | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | TRIP BLANK | TRIP BLANK | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | % RSD | TRIP BLANK | TRIP BLANK | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0624886 | INN07019A | INN08010A | IN0627885 | IN0627887 | IN0627887 | IN0627888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | % | UG/L | UG/L | % | RRF | % | AREA |
| EHV PROBLEM NO | | 99 | 99 | | | | |
| DIBROMOCHLOROMETHANE | 4.1 | 5 U | 5 U | | 0.89 | 5.6 | |
| ETHYLBENZENE | 5.4 | 5 U | 5 U | | 0.429 | 10 | |
| METHYLENE CHLORIDE | 6.1 | 5 U | 2 J | | 1.469 | 2.2 | |
| STYRENE | 7.1 | 5 U | 5 U | | 0.819 | 11 | |
| TETRACHLOROETHENE | 0.95 | 5 U | 5 U | | 0.485 | 3.5 | |
| TOLUENE | 3.8 | 5 U | 5 U | | 0.723 | 6.8 | |
| TOLUENE-D8 | 3.6 | | | | 1.147 | 7.4 | |
| TRANS-1,3-DICHLOROPROPENE | 11 | 5 U | 5 U | | 0.447 | 7.1 | |
| TRICHLOROETHENE | 5.2 | 5 U | 5 U | | 0.511 | 9.9 | |
| VINYL ACETATE | 71 | 10 U | 10 U | | 0.117 | 53 | |
| VINYL CHLORIDE | 13 | 10 U | 10 U | | 1.247 | 13 | |
| XYLENE (TOTAL) | 18 | 5 U | 5 U | | 0.486 | 25 | |
| 1,1-DICHLOROETHANE | 6.8 | 5 U | 5 U | | 3.188 | 13 | |
| 1,1-DICHLOROETHENE | 4.2 | 5 U | 5 U | | 1.378 | 12 | |
| 1,1,1-TRICHLOROETHANE | 5.4 | 5 U | 5 U | | 0.773 | 4.6 | |
| 1,1,2-TRICHLOROETHANE | 4 | 5 U | 5 U | | 0.4 | 6.5 | |
| 1,1,2,2-TETRACHLOROETHANE | 17 | 5 U | 5 U | | 0.734 | 4.4 | |
| 1,2-DICHLOROETHANE | 5.1 | 5 U | 5 U | | 2.264 | 7.1 | |
| 1,2-DICHLOROETHANE-D4 | 8.5 | | | | 1.897 | 1.1 | |
| 1,2-DICHLOROETHENE | 6 | 5 U | 5 U | | 1.433 | 14 | |
| 1,2-DICHLOROPROPANE | 8.7 | 5 U | 5 U | | 0.506 | 5.5 | |
| 1,4-BROMOFLUOROBENZENE | 1.1 | | | | 1.077 | 5.2 | |
| 2-BUTANONE | 13 | 10 U | 10 U | | 0.02 | 18 | |
| 2-HEXANONE | 14 | 10 U | 10 U | | 0.199 | 23 | |
| 4-METHYL-2-PENTANONE | 11 | 10 U | 10 U | | 0.302 | 25 | |
| SURR 1(TOL) %RECOVERY | | 97 | 99 | | 92 | | |
| SURR 2(BFB) %RECOVERY | | 96 | 93 | | 95 | | |
| SURR 3(DCE) %RECOVERY | | 98 | 95 | | 101 | | |
| M/E 50 | | | | 15 | | | |
| M/E 75 | | | | 42 | | | |
| M/E 95 | | | | 100 | | | |
| M/E 96 | | | | 8.9 | | | |
| M/E 173-1 | | | | 0 | | | |
| M/E 173-2 | | | | 0 | | | |
| M/E 174 | | | | 61 | | | |
| M/E 175-1 | | | | 4.2 | | | |
| M/E 175-2 | | | | 6.9 | | | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | TRIP BLANK | TRIP BLANK | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | % RSD | TRIP BLANK | TRIP BLANK | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0624886 | INN07019A | INN08010A | IN0627885 | IN0627887 | IN0627887 | IN0627888 |
| MATRIX | WATER | WATER | WATER | WATER | NA | NA | WATER |
| UNITS | % | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | 99 | 99 | | | | |
| M/E 176-1 | | | | 61 | | | |
| M/E 176-2 | | | | 100 | | | |
| M/E 177-1 | | | | 4.9 | | | |
| M/E 177-2 | | | | 8 | | | |
| INTERNAL STD AREA(BCM) | | 54500 | 67900 | | | | 48000 |
| INTERNAL STD AREA(CBZ) | | 149000 | 189000 | | | | 149000 |
| INTERNAL STD AREA(DFB) | | 179000 | 231000 | | | | 183000 |
| DILUTION FACTOR | | 1 | 1 | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | 4(14 D) | 4(14 D) | | | | |

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | ANL W-1 | ANL W-1 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | BLANK | WELL | WELL | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | VBK06278 | IN404016B | IN404027A | IN519070A | IN519081A | IN519092A | IN519105A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 3 | 3 | 3 | 3 |
| ACETONE | 10 U | 10 U | 10 U | 140 | 5 J | 10 U | 14 |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 1 J | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 1 J | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 2 J | 5 | 2 J | 6 | 4 J | 4 J | 4 J |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | ANL W-1 WELL | ANL W-1 WELL | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK06278 | IN404016B | IN404027A | IN519070A | IN519081A | IN519092A | IN519105A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 3 | 3 | 3 | 3 |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 2 J | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 99 | 100 | 102 | 98 | 104 | 103 | 102 |
| SURR 2(BFB) %RECOVERY | 108 | 110 | 106 | 109 | 106 | 105 | 101 |
| SURR 3(DCE) %RECOVERY | 88 | 89 | 89 | 89 | 84 | 82 | 83 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | ANL W-1 WELL | ANL W-1 WELL | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK06278 | IN404016B | IN404027A | IN519070A | IN519081A | IN519092A | IN519105A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 2 | 2 | 3 | 3 | 3 | 3 |
| INTERNAL STD AREA(BCM) | 47800 | 56000 | 69200 | 47000 | 65200 | 68700 | 71500 |
| INTERNAL STD AREA(CBZ) | 140000 | 155000 | 182000 | 123000 | 163000 | 170000 | 182000 |
| INTERNAL STD AREA(DFB) | 166000 | 189000 | 225000 | 148000 | 206000 | 212000 | 229000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) |

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRIP BLANK TRIP BLANK | USGS-43 WELL | USGS-65 WELL | TRIP BLANK TRIP BLANK | TUNED CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN519116A | IN519127A | INN14018A | IN421017A | IN422018A | INN19013A | IN0628885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 3 | 3 | 99 | 2 | 2 | 99 | |
| ACETONE | 10 U | 10 U | 25 | 9 J | 10 U | 4 J | |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| METHYLENE CHLORIDE | 3 J | 3 J | 14 | 1 J | 1 J | 2 J | |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TOLUENE | 4 J | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRIP BLANK | USGS-43 | USGS-65 | TRIP BLANK | TUNED |
| TYPE OF LOCATION | WASTE POND | WASTE POND | TRIP BLANK | WELL | WELL | TRIP BLANK | CALIBRATION |
| SAMPLE NUMBER | IN519116A | IN519127A | INN14018A | IN421017A | IN422018A | INN19013A | IN0628885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 3 | 3 | 99 | 2 | 2 | 99 | |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | |
| SURR 1(TOL) %RECOVERY | 104 | 104 | 103 | 102 | 102 | 105 | |
| SURR 2(BFB) %RECOVERY | 104 | 102 | 102 | 104 | 104 | 100 | |
| SURR 3(DCE) %RECOVERY | 81 | 84 | 82 | 83 | 78 | 79 | |
| M/E 50 | | | | | | | 17 |
| M/E 75 | | | | | | | 46 |
| M/E 95 | | | | | | | 100 |
| M/E 96 | | | | | | | 5.7 |
| M/E 173-1 | | | | | | | 0 |
| M/E 173-2 | | | | | | | 0 |
| M/E 174 | | | | | | | 51 |
| M/E 175-1 | | | | | | | 4.2 |
| M/E 175-2 | | | | | | | 8.3 |
| M/E 176-1 | | | | | | | 51 |
| M/E 176-2 | | | | | | | 100 |
| M/E 177-1 | | | | | | | 3.4 |
| M/E 177-2 | | | | | | | 6.7 |
| INTERNAL STD AREA(BCM) | 72100 | 71500 | 69100 | 55000 | 69400 | 71000 | |
| INTERNAL STD AREA(CBZ) | 176000 | 182000 | 174000 | 140000 | 171000 | 174000 | |
| INTERNAL STD AREA(DFB) | 224000 | 224000 | 213000 | 169000 | 216000 | 226000 | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRIP BLANK | USGS-43 | USGS-65 | TRIP BLANK | TUNED |
| TYPE OF LOCATION | WASTE POND | WASTE POND | TRIP BLANK | WELL | WELL | TRIP BLANK | CALIBRATION |
| SAMPLE NUMBER | IN519116A | IN519127A | INN14018A | IN421017A | IN422018A | INN19013A | IN0628885 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | % |
| ENV PROBLEM NO | 3 | 3 | 99 | 2 | 2 | 99 | |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | 7(14 D) | 6(14 D) | 6(14 D) | 6(14 D) | 5(14 D) | 5(14 D) |

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0628887 | IN0628887 | IN0628888 | VBK06288 | IN421017B | IN421017B | IN421017B |
| MATRIX | NA | NA | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | AREA | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | | 2 | 2 | 2 |
| ACETONE | 0.18 | 34 | | 10 U | 10 U | | |
| BENZENE | 1.02 | 2.3 | | 5 U | 44 | 88 | 6 |
| BROMODICHLOROMETHANE | 1.187 | 3.4 | | 5 U | 5 U | | |
| BROMOFORM | 0.58 | 6.4 | | 5 U | 5 U | | |
| BROMOMETHANE | 1.751 | 7.5 | | 10 U | 10 U | | |
| CARBON DISULFIDE | 3.588 | 10 | | 5 U | 5 U | | |
| CARBON TETRACHLORIDE | 0.952 | 11 | | 5 U | 5 U | | |
| CHLOROBENZENE | 1.118 | 4.1 | | 5 U | 46 | 92 | 6 |
| CHLOROETHANE | 0.775 | 8 | | 10 U | 10 U | | |
| CHLOROFORM | 3.441 | 6 | | 5 U | 5 U | | |
| CHLOROMETHANE | 0.677 | 14 | | 10 U | 10 U | | |
| CIS-1,3-DICHLOROPROPENE | 0.822 | 5 | | 5 U | 5 U | | |
| DIBROMOCHLOROMETHANE | 0.965 | 2.4 | | 5 U | 5 U | | |
| ETHYLBENZENE | 0.466 | 2.4 | | 5 U | 5 U | | |
| METHYLENE CHLORIDE | 1.492 | 3.8 | | 5 U | 1 J | | |
| STYRENE | 0.904 | 1.6 | | 5 U | 5 U | | |
| TETRACHLOROETHENE | 0.534 | 6.2 | | 5 U | 5 U | | |
| TOLUENE | 0.753 | 3 | | 5 U | 46 | 92 | 8 |
| TOLUENE-D8 | 1.178 | 5 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.452 | 6 | | 5 U | 5 U | | |
| TRICHLOROETHENE | 0.501 | 12 | | 5 U | 46 | 92 | 10 |
| VINYL ACETATE | 0.368 | 380 | | 10 U | 10 U | | |
| VINYL CHLORIDE | 1.192 | 8.3 | | 10 U | 10 U | | |
| XYLENE (TOTAL) | 0.555 | 15 | | 5 U | 5 U | | |
| 1,1-DICHLOROETHANE | 2.97 | 5.4 | | 5 U | 5 U | | |
| 1,1-DICHLOROETHENE | 1.292 | 4.6 | | 5 U | 40 | 80 | 12 |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0628887 | IN0628887 | IN0628888 | VBK06288 | IN421017B | IN421017B | IN421017B |
| MATRIX | NA | NA | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | AREA | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | | 2 | 2 | 2 |
| 1,1,1-TRICHLOROETHANE | 0.875 | 8 | | 5 U | 5 U | | |
| 1,1,2-TRICHLOROETHANE | 0.414 | 3.2 | | 5 U | 5 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 0.796 | 12 | | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE | 2.008 | 5 | | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE-D4 | 1.656 | 12 | | | | | |
| 1,2-DICHLOROETHENE | 1.369 | 9.4 | | 5 U | 5 U | | |
| 1,2-DICHLOROPROPANE | 0.505 | 5.7 | | 5 U | 5 U | | |
| 1,4-BROMOFLUOROBENZENE | 1.13 | 0.5 | | | | | |
| 2-BUTANONE | 0.017 | 32 | | 10 U | 10 U | | |
| 2-HEXANONE | 0.148 | 43 | | 10 U | 10 U | | |
| 4-METHYL-2-PENTANONE | 0.246 | 39 | | 10 U | 10 U | | |
| SURR 1(TOL) %RECOVERY | 95 | | | 96 | 100 | | |
| SURR 2(BFB) %RECOVERY | 99 | | | 96 | 98 | | |
| SURR 3(DCE) %RECOVERY | 88 | | | 92 | 86 | | |
| M/E 50 | | | | | | | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 65700 | 56100 | 81500 | | |
| INTERNAL STD AREA(CBZ) | | | 169000 | 142000 | 186000 | | |
| INTERNAL STD AREA(DFB) | | | 207000 | 170000 | 232000 | | |
| DILUTION FACTOR | | | | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | 7(14 D) | | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B DRAFT DO NOT CITE

| AREA | QA | QA |
|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN421017B | IN421017B |
| MATRIX | WATER | WATER |
| UNITS | UG/L | % |
| ENV PROBLEM NO | 2 | 2 |
| ACETONE | 10 U | |
| BENZENE | 47 | 94 |
| BROMODICHLOROMETHANE | 5 U | |
| BROMOFORM | 5 U | |
| BROMOMETHANE | 10 U | |
| CARBON DISULFIDE | 5 U | |
| CARBON TETRACHLORIDE | 5 U | |
| CHLOROBENZENE | 49 | 98 |
| CHLOROETHANE | 10 U | |
| CHLOROFORM | 5 U | |
| CHLOROMETHANE | 10 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | |
| DIBROMOCHLOROMETHANE | 5 U | |
| ETHYLBENZENE | 5 U | |
| METHYLENE CHLORIDE | 2 J | |
| STYRENE | 5 U | |
| TETRACHLOROETHENE | 5 U | |
| TOLUENE | 50 | 100 |
| TOLUENE-D8 | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | |
| TRICHLOROETHENE | 51 | 102 |
| VINYL ACETATE | 10 U | |
| VINYL CHLORIDE | 10 U | |
| XYLENE (TOTAL) | 5 U | |
| 1,1-DICHLOROETHANE | 5 U | |
| 1,1-DICHLOROETHENE | 45 | 90 |
| 1,1,1-TRICHLOROETHANE | 5 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | |
| 1,2-DICHLOROETHANE | 5 U | |
| 1,2-DICHLOROETHANE-D4 | | |
| 1,2-DICHLOROETHENE | 5 U | |
| 1,2-DICHLOROPROPANE | 5 U | |
| 1,4-BROMOFLUOROBENZENE | | |
| 2-BUTANONE | 10 U | |
| 2-HEXANONE | 10 U | |
| 4-METHYL-2-PENTANONE | 10 U | |
| SURR 1(TOL) %RECOVERY | 99 | |

TABLE D.6.5 INEL VOLATILE ORGANICS - SDG NUMBER: IN404016B

DRAFT DO NOT CITE

| AREA | QA | QA |
|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN421017B | IN421017B |
| MATRIX | WATER | WATER |
| UNITS | UG/L | % |
| ENV PROBLEM NO | 2 | 2 |
| SURR 2(BFB) %RECOVERY | 96 | |
| SURR 3(DCE) %RECOVERY | 87 | |
| M/E 50 | | |
| M/E 75 | | |
| M/E 95 | | |
| M/E 96 | | |
| M/E 173-1 | | |
| M/E 173-2 | | |
| M/E 174 | | |
| M/E 175-1 | | |
| M/E 175-2 | | |
| M/E 176-1 | | |
| M/E 176-2 | | |
| M/E 177-1 | | |
| M/E 177-2 | | |
| INTERNAL STD AREA(BCM) | 75300 | |
| INTERNAL STD AREA(CBZ) | 180000 | |
| INTERNAL STD AREA(DFB) | 223000 | |
| DILUTION FACTOR | 1 | |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0615886 | IN0615886 | IN0615885 | IN0621885 | IN0621887 | IN0621887 | IN0621888 |
| MATRIX | WATER | WATER | WATER | WATER | | | WATER |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 0.322 | 19 | | | 0.353 | 16 | |
| BENZENE | 1.021 | 2.8 | | | 1.097 | 7.5 | |
| BROMODICHLOROMETHANE | 1.168 | 2.1 | | | 1.202 | 2.9 | |
| BROMOFORM | 0.608 | 2.2 | | | 0.637 | 4.7 | |
| BROMOMETHANE | 1.963 | 4.7 | | | 2.026 | 3.2 | |
| CARBON DISULFIDE | 3.626 | 7.9 | | | 3.962 | 9.3 | |
| CARBON TETRACHLORIDE | 0.834 | 1.7 | | | 0.868 | 4 | |
| CHLOROBENZENE | 1.024 | 3.2 | | | 1.06 | 3.5 | |
| CHLOROETHANE | 0.897 | 10 | | | 1.058 | 18 | |
| CHLOROFORM | 3.588 | 2.7 | | | 3.99 | 11 | |
| CHLOROMETHANE | 1.814 | 18 | | | 1.966 | 8.4 | |
| CIS-1,3-DICHLOROPROPENE | 0.826 | 3.8 | | | 0.902 | 9.2 | |
| DIBROMOCHLOROMETHANE | 0.899 | 1.3 | | | 0.966 | 7.5 | |
| ETHYLBENZENE | 0.442 | 2.7 | | | 0.463 | 4.9 | |
| METHYLENE CHLORIDE | 1.335 | 3.3 | | | 1.54 | 15 | |
| STYRENE | 0.903 | 4.3 | | | 0.891 | 1.3 | |
| TETRACHLOROETHENE | 0.512 | 2.7 | | | 1.007 | 6.7 | |
| TOLUENE | 0.738 | 2.7 | | | 0.781 | 5.9 | |
| TOLUENE-D8 | 1.122 | 2 | | | 1.176 | 4.8 | |
| TRANS-1,3-DICHLOROPROPENE | 0.471 | 3.5 | | | 0.518 | 10 | |
| TRICHLOROETHENE | 0.489 | 4.6 | | | 0.502 | 2.7 | |
| VINYL ACETATE | 0.46 | 3.3 | | | 0.41 | 11 | |
| VINYL CHLORIDE | 1.47 | 10 | | | 1.69 | 15 | |
| XYLENE (TOTAL) | 0.577 | 7.6 | | | 0.531 | 7.9 | |
| 1,1-DICHLOROETHANE | 3.098 | 4 | | | 3.458 | 12 | |
| 1,1-DICHLOROETHENE | 1.277 | 5.5 | | | 1.183 | 7.4 | |
| 1,1,1-TRICHLOROETHANE | 0.803 | 1.9 | | | 0.821 | 2.3 | |
| 1,1,2-TRICHLOROETHANE | 0.4 | 5 | | | 0.452 | 13 | |
| 1,1,2,2-TETRACHLOROETHANE | 0.844 | 0.91 | | | 0.478 | 19 | |
| 1,2-DICHLOROETHANE | 2.359 | 3.3 | | | 2.849 | 21 | |
| 1,2-DICHLOROETHANE-D4 | 2.096 | 5.2 | | | 2.329 | 11 | |
| 1,2-DICHLOROETHENE | 1.39 | 2.8 | | | 1.549 | 11 | |
| 1,2-DICHLOROPROPANE | 0.54 | 3.9 | | | 0.579 | 7.1 | |
| 1,4-BROMOFLUOROBENZENE | 1.123 | 3 | | | 1.121 | 0.17 | |
| 2-BUTANONE | 0.02 | 11 | | | 0.032 | 65 | |
| 2-HEXANONE | 0.305 | 7.7 | | | 0.386 | 27 | |
| 4-METHYL-2-PENTANONE | 0.454 | 4.7 | | | 0.55 | 21 | |
| SURR 1(TOL) %RECOVERY | | | | | 105 | | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0615886 | IN0615886 | IN0615885 | IN0621885 | IN0621887 | IN0621887 | IN0621888 |
| MATRIX | WATER | WATER | WATER | WATER | | | WATER |
| UNITS | RRF | % | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 100 | | |
| SURR 3(DCE) %RECOVERY | | | | | 111 | | |
| M/E 50 | | | 24 | 27 | | | |
| M/E 75 | | | 55 | 51 | | | |
| M/E 95 | | | 100 | 100 | | | |
| M/E 96 | | | 8.7 | 7.8 | | | |
| M/E 173-1 | | | 0 | 0 | | | |
| M/E 173-2 | | | 0 | 0 | | | |
| M/E 174 | | | 55 | 56 | | | |
| M/E 175-1 | | | 4.9 | 5.9 | | | |
| M/E 175-2 | | | 8.9 | 7 | | | |
| M/E 176-1 | | | 53 | 55 | | | |
| M/E 176-2 | | | 96 | 98 | | | |
| M/E 177-1 | | | 3.6 | 3.5 | | | |
| M/E 177-2 | | | 6.8 | 6.4 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 79300 |
| INTERNAL STD AREA(CBZ) | | | | | | | 247000 |
| INTERNAL STD AREA(DFB) | | | | | | | 293000 |
| DILUTION FACTOR | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TRIP BLANK | WELL CFA-1 | WELL SL-1 | WELL SL-1 | WELL CFA-1 | WELL ANP-8 |
| TYPE OF LOCATION | BLANK | TRIP BLANK | WELL | WELL | WELL | WELL | WELL |
| SAMPLE NUMBER | VBK00001 | INN01013A | IN414018A | IN415019A | IN415020A | IN414029A | IN406018A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 99 | 2 | 2 | 2 | 2 | 2 |
| ACETONE | 10 U | 10 U | 10 U | 10 U | 9 J | 12 | 6 J |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

AREA QA

| LOCATION | METHOD BLANK | TRIP BLANK | WELL CFA-1 | WELL SL-1 | WELL SL-1 | WELL CFA-1 | WELL ANP-8 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BLANK | TRIP BLANK | WELL | WELL | WELL | WELL | WELL |
| SAMPLE NUMBER | VBK00001 | INN01013A | IN414018A | IN415019A | IN415020A | IN414029A | IN406018A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 99 | 2 | 2 | 2 | 2 | 2 |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 2 J | 5 U | 5 U | 2 J | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 10 | 2 JDB | 2 JDB | 6 DB | 4 JDB | 9 DB | 5 DB |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 2 J |
| TOLUENE | 5 U | 5 U | 1 J | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 1 J | 4 J |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 100 | 103 | 102 | 96 | 98 | 103 | 97 |
| SURR 2(BFB) %RECOVERY | 101 | 106 | 105 | 103 | 99 | 102 | 103 |
| SURR 3(DCE) %RECOVERY | 96 | 96 | 97 | 96 | 93 | 77 | 78 |

M/E 50

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TRIP BLANK | WELL CFA-1 | WELL SL-1 | WELL SL-1 | WELL CFA-1 | WELL ANP-8 |
| TYPE OF LOCATION | BLANK | TRIP BLANK | WELL | WELL | WELL | WELL | WELL |
| SAMPLE NUMBER | VBK00001 | IN001013A | IN414018A | IN415019A | IN415020A | IN414029A | IN406018A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 99 | 2 | 2 | 2 | 2 | 2 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 70400 | 69400 | 77300 | 64400 | 76900 | 90100 | 92100 |
| INTERNAL STD AREA(CBZ) | 235000 | 227000 | 247000 | 206000 | 240000 | 226000 | 248000 |
| INTERNAL STD AREA(DFB) | 272000 | 272000 | 286000 | 231000 | 275000 | 263000 | 292000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | | 4(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 4(14 D) |

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL ANP-8 | WELL FET-1 | WELL FET-1 | WELL ANP-1 | WELL ANP-1 | TUNED | CONTINUING |
| TYPE OF LOCATION | WELL | WELL | WELL | WELL | WELL | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN406029A | IN407019A | IN407020A | IN408010A | IN408021A | IN0622885 | IN0622887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | | |
| ACETONE | 5 J | 10 U | 3 J | 10 U | 10 U | | 0.318 |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.141 |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.248 |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.521 |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | | 2.419 |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | | 4.622 |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.882 |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.058 |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL ANP-8 | WELL FET-1 | WELL FET-1 | WELL ANP-1 | WELL ANP-1 | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | WELL | WELL | WELL | WELL | WELL | | |
| SAMPLE NUMBER | IN406029A | IN407019A | IN407020A | IN408010A | IN408021A | IN0622885 | IN0622887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | % | RRF |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | | |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | | 1.064 |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | | 3.769 |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | | 1.566 |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.885 |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.885 |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.461 |
| METHYLENE CHLORIDE | 6 DB | 4 JDB | 4 JDB | 3 JDB | 3 JDB | | 1.699 |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.911 |
| TETRACHLOROETHENE | 3 J | 5 U | 5 U | 5 U | 1 J | | 0.502 |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.792 |
| TOLUENE-D8 | | | | | | | 1.164 |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.496 |
| TRICHLOROETHENE | 4 J | 5 U | 5 U | 3 J | 3 J | | 0.493 |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | | 0.544 |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | | 1.832 |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.545 |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 3.369 |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.39 |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.888 |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.426 |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.83 |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 2.388 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 1.939 |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.445 |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.588 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 1.125 |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | | 0.02 |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | | 0.283 |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | | 0.404 |
| SURR 1(TOL) %RECOVERY | 96 | 97 | 94 | 97 | 98 | | 104 |
| SURR 2(BFB) %RECOVERY | 104 | 103 | 100 | 101 | 102 | | |
| SURR 3(DCE) %RECOVERY | 91 | 77 | 78 | 81 | 79 | | 92 |
| M/E 50 | | | | | | 25 | |
| M/E 75 | | | | | | 53 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 7.6 | |
| M/E 173-1 | | | | | | 0 | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A

DRAFT DO NOT CITE

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | WELL ANP-8 | WELL FET-1 | WELL FET-1 | WELL ANP-1 | WELL ANP-1 | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | WELL | WELL | WELL | WELL | WELL | IN0622885 | IN0622887 |
| SAMPLE NUMBER | IN406029A | IN407019A | IN407020A | IN408010A | IN408021A | WATER | |
| MATRIX | WATER | WATER | WATER | WATER | WATER | % | RRF |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | | |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 2 | | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 54 | |
| M/E 175-1 | | | | | | 4.4 | |
| M/E 175-2 | | | | | | 8.2 | |
| M/E 176-1 | | | | | | 52 | |
| M/E 176-2 | | | | | | 97 | |
| M/E 177-1 | | | | | | 2.8 | |
| M/E 177-2 | | | | | | 5.5 | |
| INTERNAL STD AREA(BCM) | 84700 | 82300 | 89700 | 88300 | 88800 | | |
| INTERNAL STD AREA(CBZ) | 254000 | 208000 | 238000 | 241000 | 237000 | | |
| INTERNAL STD AREA(DFB) | 292000 | 235000 | 264000 | 276000 | 282000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | 4(14 D) | 4(14 D) | 4(14 D) | 4(14 D) | 4(14 D) | | |

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | FIRE STA. | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0622887 | IN0622888 | VBK00002 | IN412016A | IN412016A | IN412016A | IN412016A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| ACETONE | 4.8 | | 10 U | 10 U | 10 U | | |
| BENZENE | 12 | | 5 U | 5 U | 51 | 102 | 2 |
| BROMODICHLOROMETHANE | 6.9 | | 5 U | 5 U | 5 U | | |
| BROMOFORM | 14 | | 5 U | 5 U | 5 U | | |
| BROMOMETHANE | 23 | | 10 U | 10 U | 10 U | | |
| CARBON DISULFIDE | 28 | | 5 U | 5 U | 5 U | | |
| CARBON TETRACHLORIDE | 5.7 | | 5 U | 5 U | | | |
| CHLOROBENZENE | 3.4 | | 5 U | 5 U | 52 | 104 | 2 |
| CHLOROETHANE | 19 | | 10 U | 10 U | 10 U | | |
| CHLOROFORM | 5 | | 5 U | 5 U | 5 U | | |
| CHLOROMETHANE | 14 | | 10 U | 10 U | 10 U | | |
| CIS-1,3-DICHLOROPROPENE | 7.1 | | 5 U | 5 U | 5 U | | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | FIRE STA. | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0622887 | IN0622888 | VBK00002 | IN412016A | IN412016A | IN412016A | IN412016A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| DIBROMOCHLOROMETHANE | 1.6 | | 5 U | 5 U | 5 U | | |
| ETHYLBENZENE | 4.5 | | 5 U | 5 U | 5 U | | |
| METHYLENE CHLORIDE | 27 | | 2 J | 1 JD | 2 J | | |
| STYRENE | 0.82 | | 5 U | 5 U | 5 U | | |
| TETRACHLOROETHENE | 2 | | 5 U | 5 U | 5 U | | |
| TOLUENE | 7.4 | | 5 U | 5 U | 50 | 100 | 2 |
| TOLUENE-D8 | 3.7 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5.3 | | 5 U | 5 U | 5 U | | |
| TRICHLOROETHENE | 0.82 | | 5 U | 5 U | 49 | 98 | 4 |
| VINYL ACETATE | 18 | | 10 U | 10 U | 10 U | | |
| VINYL CHLORIDE | 25 | | 10 U | 10 U | 10 U | | |
| XYLENE (TOTAL) | 5.6 | | 5 U | 5 U | 5 U | | |
| 1,1-DICHLOROETHANE | 8.7 | | 5 U | 5 U | 5 U | | |
| 1,1-DICHLOROETHENE | 8.8 | | 5 U | 5 U | 45 | 90 | 0 |
| 1,1,1-TRICHLOROETHANE | 11 | | 5 U | 2 J | 2 J | | |
| 1,1,2-TRICHLOROETHANE | 6.6 | | 5 U | 5 U | 5 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 1.7 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE | 1.2 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE-D4 | 7.5 | | | | | | |
| 1,2-DICHLOROETHENE | 3.9 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROPROPANE | 8.8 | | 5 U | 5 U | 5 U | | |
| 1,4-BROMOFLUOROBENZENE | 0.17 | | | | | | |
| 2-BUTANONE | 2.6 | | 10 U | 10 U | 10 U | | |
| 2-HEXANONE | 7.3 | | 10 U | 10 U | 10 U | | |
| 4-METHYL-2-PENTANONE | 11 | | 10 U | 10 U | 10 U | | |
| SURR 1(TOL) %RECOVERY | | | 100 | 100 | 100 | | |
| SURR 2(BFB) %RECOVERY | | | 104 | 104 | 100 | | |
| SURR 3(DCE) %RECOVERY | | | 96 | 94 | 94 | | |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | FIRE STA. | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0622887 | IN0622888 | VBK00002 | IN412016A | IN412016A | IN412016A | IN412016A |
| MATRIX | | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | 75900 | 70900 | 86500 | 91100 | | |
| INTERNAL STD AREA(CBZ) | | 214000 | 201000 | 240000 | 249000 | | |
| INTERNAL STD AREA(DFB) | | 249000 | 235000 | 279000 | 285000 | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | 5(14 D) | 5(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | WELL TRA-1 | WELL TRA-1 | CFA STP | CFA STP | CFA STP |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | CFA STP | CFA STP | CFA STP |
| SAMPLE NUMBER | IN412016A | IN412016A | IN423019A | IN423020A | IN523054A | IN523065A | IN523076A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| ACETONE | 10 U | | 10 U | 10 U | 8 J | 10 | 8 J |
| BENZENE | 52 | 104 | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 53 | 106 | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | | 5 U | 5 U | 4 J | 2 J | 1 J |
| CHLOROMETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 2 J | | 1 JDB | 1 JDB | 2 JDB | 12 DB | 4 JDB |
| STYRENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | WELL TRA-1 | WELL TRA-1 | CFA STP | CFA STP | CFA STP |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | CFA STP | CFA STP | CFA STP |
| SAMPLE NUMBER | IN412016A | IN412016A | IN423019A | IN423020A | IN523054A | IN523065A | IN523076A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| TETRACHLOROETHENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 51 | 102 | 5 U | 5 U | 5 U | 5 U | 1 J |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 51 | 102 | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | | 5 U | 5 U | 2 J | 5 | 2 J |
| 1,1-DICHLOROETHENE | 45 | 90 | 5 U | 5 U | 8 | 10 | 4 J |
| 1,1,1-TRICHLOROETHANE | 2 J | | 5 U | 5 U | 360 E | 500 E | 180 |
| 1,1,2-TRICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 102 | | 100 | 100 | 100 | 98 | 98 |
| SURR 2(BFB) %RECOVERY | 102 | | 100 | 100 | 102 | 104 | 104 |
| SURR 3(DCE) %RECOVERY | 94 | | 94 | 90 | 92 | 96 | 92 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | WELL TRA-1 | WELL TRA-1 | CFA STP | CFA STP | CFA STP |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | CFA STP | CFA STP | CFA STP |
| SAMPLE NUMBER | IN412016A | IN412016A | IN423019A | IN423020A | IN523054A | IN523065A | IN523076A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 4 | 4 | 4 |
| INTERNAL STD AREA(BCM) | 76800 | | 84600 | 91900 | 90100 | 88400 | 97800 |
| INTERNAL STD AREA(CBZ) | 208000 | | 235000 | 239000 | 236000 | 235000 | 258000 |
| INTERNAL STD AREA(DFB) | 241000 | | 276000 | 272000 | 275000 | 263000 | 292000 |
| DILUTION FACTOR | 1 | | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 5(14 D) | | 5(14 D) | 5(14 D) | 7(14 D) | 7(14 D) | 6(14 D) |

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA STP | CFA STP | CFA STP | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CFA STP | CFA STP | CFA STP | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN523087A | IN523098A | IN523101A | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| MATRIX | WATER | WATER | WATER | WATER | | | WATER |
| UNITS | UG/L | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | 4 | 4 | 4 | | | | |
| ACETONE | 100 | 35 | 180 | | 0.302 | 0.41 | |
| BENZENE | 5 U | 5 U | 5 U | | 0.397 | 0.7 | |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | | 1.205 | 3.2 | |
| BROMOFORM | 5 U | 5 U | 5 U | | 0.504 | 17 | |
| BROMOMETHANE | 10 U | 10 U | 10 U | | 1.572 | 20 | |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | | 4.186 | 15 | |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | | 0.81 | 2.9 | |
| CHLOROBENZENE | 5 U | 5 U | 5 U | | 1.046 | 2.1 | |
| CHLOROETHANE | 10 U | 10 U | 10 U | | 0.843 | 6.1 | |
| CHLOROFORM | 5 U | 1 J | 3 J | | 3.749 | 4.5 | |
| CHLOROMETHANE | 10 U | 10 U | 10 U | | 1.129 | 38 | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | | 0.677 | 18 | |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | | 1.12 | 9.7 | |
| ETHYLBENZENE | 5 U | 5 U | 5 U | | 0.47 | 6.5 | |
| METHYLENE CHLORIDE | 10 DB | 1 JDB | 2 JDB | | 1.419 | 6.3 | |
| STYRENE | 5 U | 5 U | 5 U | | 0.983 | 8.8 | |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | | 0.472 | 7.9 | |
| TOLUENE | 5 U | 1 J | 5 U | | 0.824 | 12 | |
| TOLUENE-D8 | | | | | 1.197 | 6.7 | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | | 0.604 | 28 | |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | | 0.452 | 7.7 | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA STP | CFA STP | CFA STP | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CFA STP | CFA STP | CFA STP | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN523087A | IN523098A | IN523101A | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| MATRIX | WATER | WATER | WATER | WATER | | | WATER |
| UNITS | UG/L | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | 4 | 4 | 4 | | | | |
| VINYL ACETATE | 10 U | 10 U | 10 U | | 0.612 | 33 | |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | | 1.331 | 9.5 | |
| XYLENE (TOTAL) | 5 U | 5 U | 3 J | | 0.594 | 2.9 | |
| 1,1-DICHLOROETHANE | 3 J | 4 J | 4 J | | 3.251 | 4.9 | |
| 1,1-DICHLOROETHENE | 9 | 10 | 14 | | 1.264 | 1.1 | |
| 1,1,1-TRICHLOROETHANE | 470 E | 690 E | 620 E | | 0.831 | 3.4 | |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | | 0.877 | 2.5 | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | | 0.882 | 4.4 | |
| 1,2-DICHLOROETHANE | 5 U | 1 J | 5 U | | 2.213 | 6.2 | |
| 1,2-DICHLOROETHANE-D4 | | | | | 1.951 | 6.9 | |
| 1,2-DICHLOROETHENE | 1 J | 5 U | 5 U | | 1.438 | 3.4 | |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | | 0.569 | 5.3 | |
| 1,4-BROMOFLUOROBENZENE | | | | | 1.234 | 9.9 | |
| 2-BUTANONE | 10 | 10 U | 16 | | 0.019 | 2.4 | |
| 2-HEXANONE | 10 U | 10 U | 10 U | | 0.276 | 9.6 | |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | | 0.41 | 9.6 | |
| SURR 1(TOL) %RECOVERY | 98 | 98 | 98 | | 106 | | |
| SURR 2(BFB) %RECOVERY | 104 | 104 | 98 | | 110 | | |
| SURR 3(DCE) %RECOVERY | 94 | 94 | 90 | | 94 | | |
| M/E 50 | | | | 24 | | | |
| M/E 75 | | | | 57 | | | |
| M/E 95 | | | | 100 | | | |
| M/E 96 | | | | 7.1 | | | |
| M/E 173-1 | | | | 0 | | | |
| M/E 173-2 | | | | 0 | | | |
| M/E 174 | | | | 50 | | | |
| M/E 175-1 | | | | 3.1 | | | |
| M/E 175-2 | | | | 6.2 | | | |
| M/E 176-1 | | | | 49 | | | |
| M/E 176-2 | | | | 98 | | | |
| M/E 177-1 | | | | 3.1 | | | |
| M/E 177-2 | | | | 6.4 | | | |
| INTERNAL STD AREA(BCM) | 90500 | 78000 | 97200 | | | | 46300 |
| INTERNAL STD AREA(CBZ) | 236000 | 206000 | 247000 | | | | 132000 |
| INTERNAL STD AREA(DFB) | 270000 | 231000 | 282000 | | | | 155000 |
| DILUTION FACTOR | 1 | 1 | 1 | | | | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

| AREA | | | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CFA STP | CFA STP | CFA STP | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CFA STP | CFA STP | CFA STP | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN523087A | IN523098A | IN523101A | IN0623885 | IN0623887 | IN0623887 | IN0623888 |
| MATRIX | WATER | WATER | WATER | WATER | | | WATER |
| UNITS | UG/L | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | 4 | 4 | 4 | | | | |
| ACTUAL(ALLOWED) HOLD TIME | 6(14 D) | 6(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) |

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | CFA STP | CFA STP | CFA STP | CFA STP | CFA STP | |
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | CFA STP | CFA STP | CFA STP | |
| SAMPLE NUMBER | VBK08003 | IN523054B | IN523065B | IN523087B | IN523098B | IN523101B | |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | |
| ENV PROBLEM NO | | 4 | 4 | 4 | 4 | 4 | |
| ACETONE | 10 U | 20 U | 33 U | 150 | 50 U | 170 | |
| BENZENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| BROMODICHLOROMETHANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| BROMOFORM | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| BROMOMETHANE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U | |
| CARBON DISULFIDE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| CARBON TETRACHLORIDE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| CHLOROBENZENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| CHLOROETHANE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U | |
| CHLOROFORM | 5 U | 4 JD | 3 JD | 17 U | 25 U | 3 JD | |
| CHLOROMETHANE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| DIBROMOCHLOROMETHANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| ETHYLBENZENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| METHYLENE CHLORIDE | 3 J | 5 JDB | 22 DB | 8 JDB | 12 JDB | 13 JDB | |
| STYRENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| TETRACHLOROETHENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| TOLUENE | 5 U | 2 JD | 17 U | 17 U | 25 U | 25 U | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| TRICHLOROETHENE | 5 U | 10 U | 17 U | 17 U | 25 U | 8 JD | |
| VINYL ACETATE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U | |
| VINYL CHLORIDE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U | |
| XYLENE (TOTAL) | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U | |
| 1,1-DICHLOROETHANE | 5 U | 10 U | 5 JD | 3 JD | 25 U | 4 JD | |
| 1,1-DICHLOROETHENE | 5 U | 6 JD | 8 JD | 17 U | 10 JD | 10 JD | |

TABLE D.6.6 INEL VOLATILE ORGANICS - SDG NUMBER: IN406018A DRAFT DO NOT CITE

AREA QA

| LOCATION | METHOD | CFA STP | CFA STP | CFA STP | CFA STP | CFA STP |
|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BLANK | CFA STP | CFA STP | CFA STP | CFA STP | CFA STP |
| SAMPLE NUMBER | VBK00003 | IN523054B | IN523065B | IN523087B | IN523098B | IN523101B |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | 4 | 4 | 4 | 4 | 4 |
| 1,1,1-TRICHLOROETHANE | 5 U | 300 | 390 | 410 | 560 | 510 |
| 1,1,2-TRICHLOROETHANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 2 JD | 17 U | 17 U | 25 U | 25 U |
| 1,2-DICHLOROPROPANE | 5 U | 10 U | 17 U | 17 U | 25 U | 25 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | |
| 2-BUTANONE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U |
| 2-HEXANONE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U |
| 4-METHYL-2-PENTANONE | 10 U | 20 U | 33 U | 33 U | 50 U | 50 U |
| SURR 1(TOL) %RECOVERY | 96 | 98 | 102 | 102 | 98 | 96 |
| SURR 2(BFB) %RECOVERY | 98 | 92 | 104 | 96 | 92 | 88 |
| SURR 3(DCE) %RECOVERY | 100 | 100 | 102 | 98 | 96 | 96 |
| M/E 50 | | | | | | |
| M/E 75 | | | | | | |
| M/E 95 | | | | | | |
| M/E 96 | | | | | | |
| M/E 173-1 | | | | | | |
| M/E 173-2 | | | | | | |
| M/E 174 | | | | | | |
| M/E 175-1 | | | | | | |
| M/E 175-2 | | | | | | |
| M/E 176-1 | | | | | | |
| M/E 176-2 | | | | | | |
| M/E 177-1 | | | | | | |
| M/E 177-2 | | | | | | |
| INTERNAL STD AREA(BCM) | 38800 | 54800 | 60900 | | 52200 | 63100 |
| INTERNAL STD AREA(CBZ) | 123000 | 167000 | 182000 | | 147000 | 180000 |
| INTERNAL STD AREA(DFB) | 141000 | 195000 | 220000 | | 180000 | 215000 |
| DILUTION FACTOR | 1 | 0.5 | 0.3 | 0.3 | 0.2 | 0.2 |
| ACTUAL(ALLOWED) HOLD TIME | | 8(14 D) | 8(14 D) | 7(14 D) | 7(14 D) | 6(14 D) |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING |
| TYPE OF LOCATION | CALIBRATION | RRF | RRF | % RSD | % RSD | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN0624885 | IN0624886 | IN0624886 | IN0624886 | IN0624886 | IN0627885 | IN0627887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | NA |
| UNITS | % | RRF | RRF | % | % | % | RRF |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.271 | 0.242 | 10 | 11 | | 0.281 |
| BENZENE | | 0.997 | 0.883 | 6.9 | 5.2 | | 0.882 |
| BROMODICHLOROMETHANE | | 1.148 | 0.733 | 6.7 | 1.4 | | 0.735 |
| BROMOFORM | | 0.619 | 0.619 | 3.1 | 7.2 | | 0.548 |
| BROMOMETHANE | | 1.629 | 1.008 | 3.8 | 13 | | 1.101 |
| CARBON DISULFIDE | | 3.255 | 3.169 | 5.9 | 4 | | 3.214 |
| CARBON TETRACHLORIDE | | 0.859 | 0.555 | 5.2 | 8.2 | | 0.494 |
| CHLOROBENZENE | | 1.074 | 1.025 | 2.5 | 4.3 | | 1.02 |
| CHLOROETHANE | | 0.717 | 0.488 | 11 | 16 | | 0.61 |
| CHLOROFORM | | 3.245 | 2.391 | 3.7 | 5.3 | | 2.458 |
| CHLOROMETHANE | | 0.783 | 0.652 | 16 | 16 | | 0.618 |
| CIS-1,3-DICHLOROPROPENE | | 0.865 | 0.681 | 11 | 2.2 | | 0.705 |
| DIBROMOCHLOROMETHANE | | 0.942 | 0.765 | 4.1 | 3 | | 0.726 |
| ETHYLBENZENE | | 0.477 | 0.465 | 5.4 | 4.6 | | 0.451 |
| METHYLENE CHLORIDE | | 1.438 | 1.208 | 6.1 | 14 | | 1.415 |
| STYRENE | | 0.919 | 0.933 | 7.1 | 1.6 | | 0.936 |
| TETRACHLOROETHENE | | 0.502 | 0.522 | 0.95 | 8.4 | | 0.461 |
| TOLUENE | | 0.776 | 0.721 | 3.8 | 5.2 | | 0.707 |
| TOLUENE-D8 | | 1.239 | 1.071 | 3.6 | 1.7 | | 1.103 |
| TRANS-1,3-DICHLOROPROPENE | | 0.481 | 0.377 | 11 | 5.5 | | 0.4 |
| TRICHLOROETHENE | | 0.568 | 0.614 | 5.2 | 16 | | 0.492 |
| VINYL ACETATE | | 0.077 | 0.05 | 71 | 88 | | 0.125 |
| VINYL CHLORIDE | | 1.101 | 0.673 | 13 | 14 | | 0.795 |
| XYLENE (TOTAL) | | 0.651 | 0.563 | 18 | 5.1 | | 0.549 |
| 1,1-DICHLOROETHANE | | 2.819 | 2.065 | 6.8 | 6.6 | | 2.115 |
| 1,1-DICHLOROETHENE | | 1.235 | 1.245 | 4.2 | 7.7 | | 1.212 |
| 1,1,1-TRICHLOROETHANE | | 0.81 | 0.503 | 5.4 | 6.7 | | 0.472 |
| 1,1,2-TRICHLOROETHANE | | 0.428 | 0.401 | 4 | 6 | | 0.414 |
| 1,1,2,2-TETRACHLOROETHANE | | 0.709 | 0.581 | 17 | 20 | | 0.765 |
| 1,2-DICHLOROETHANE | | 2.113 | 1.376 | 5.1 | 4.8 | | 1.396 |
| 1,2-DICHLOROETHANE-D4 | | 1.876 | 1.232 | 8.5 | 5.4 | | 1.228 |
| 1,2-DICHLOROETHENE | | 1.252 | 1.256 | 6 | 6 | | 1.221 |
| 1,2-DICHLOROPROPANE | | 0.536 | 0.412 | 8.7 | 5.1 | | 0.426 |
| 1,4-BROMOFLUOROBENZENE | | 1.136 | 0.841 | 1.1 | 1.8 | | 0.824 |
| 2-BUTANONE | | 0.024 | 0.033 | 13 | 12 | | 0.03 |
| 2-HEXANONE | | 0.258 | 0.284 | 14 | 12 | | 0.282 |
| 4-METHYL-2-PENTANONE | | 0.402 | 0.398 | 11 | 7 | | 0.403 |
| SURR 1(TOL) %RECOVERY | | | | | | | 102 |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING |
| TYPE OF LOCATION | CALIBRATION | RRF | RRF | % RSD | % RSD | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN0624885 | IN0624886 | IN0624886 | IN0624886 | IN0624886 | IN0627885 | IN0627887 |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | NA |
| UNITS | % | RRF | RRF | % | % | % | RRF |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | | 98 |
| SURR 3(DCE) %RECOVERY | | | | | | | 100 |
| M/E 50 | 16 | | | | | 21 | |
| M/E 75 | 45 | | | | | 49 | |
| M/E 95 | 100 | | | | | 100 | |
| M/E 96 | 7.7 | | | | | 7.8 | |
| M/E 173-1 | 0 | | | | | 0 | |
| M/E 173-2 | 0 | | | | | 0 | |
| M/E 174 | 65 | | | | | 65 | |
| M/E 175-1 | 4.6 | | | | | 5.2 | |
| M/E 175-2 | 7.1 | | | | | 7.9 | |
| M/E 176-1 | 64 | | | | | 63 | |
| M/E 176-2 | 99 | | | | | 96 | |
| M/E 177-1 | 4.7 | | | | | 4.6 | |
| M/E 177-2 | 7.3 | | | | | 7.4 | |
| INTERNAL STD AREA(BCM) | | | | | | | |
| INTERNAL STD AREA(CBZ) | | | | | | | |
| INTERNAL STD AREA(DFB) | | | | | | | |
| DILUTION FACTOR | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | USGS-86 | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0627887 | IN0627888 | VBK06278 | IN409011A | IN409011A | IN409011A | IN409011A |
| MATRIX | NA | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| ACETONE | 16 | | 16 | 10 U | 10 U | | |
| BENZENE | 0.05 | | 5 U | 5 U | 52 | 104 | 6 |
| BROMODICHLOROMETHANE | 0.34 | | 5 U | 5 U | 5 U | | |
| BROMOFORM | 12 | | 5 U | 5 U | 5 U | | |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | USGS-86 | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0627887 | IN0627888 | VBK06278 | IN409011A | IN409011A | IN409011A | IN409011A |
| MATRIX | NA | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| BROMOMETHANE | 9.2 | | 10 U | 10 U | 10 U | | |
| CARBON DISULFIDE | 1.4 | | 5 U | 5 U | 5 U | | |
| CARBON TETRACHLORIDE | 11 | | 5 U | 5 U | 5 U | | |
| CHLOROBENZENE | 0.54 | | 5 U | 5 U | 55 | 110 | 4 |
| CHLOROETHANE | 25 | | 10 U | 10 U | 10 U | | |
| CHLOROFORM | 2.8 | | 5 U | 5 U | 5 U | | |
| CHLOROMETHANE | 5.2 | | 10 U | 10 U | 10 U | | |
| CIS-1,3-DICHLOROPROPENE | 3.5 | | 5 U | 5 U | 5 U | | |
| DIBROMOCHLOROMETHANE | 5.1 | | 5 U | 5 U | 5 U | | |
| ETHYLBENZENE | 3.1 | | 5 U | 5 U | 5 U | | |
| METHYLENE CHLORIDE | 17 | | 5 U | 5 U | 2 J | | |
| STYRENE | 0.23 | | 5 U | 5 U | 5 U | | |
| TETRACHLOROETHENE | 12 | | 5 U | 5 U | 5 U | | |
| TOLUENE | 1.9 | | 5 U | 5 U | 54 | 108 | 4 |
| TOLUENE-D8 | 3 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 6.1 | | 5 U | 5 U | 5 U | | |
| TRICHLOROETHENE | 20 | | 5 U | 5 U | 51 | 102 | 4 |
| VINYL ACETATE | 150 | | 10 U | 10 U | 10 U | | |
| VINYL CHLORIDE | 18 | | 10 U | 10 U | 10 U | | |
| XYLENE (TOTAL) | 2.5 | | 5 U | 5 U | 5 U | | |
| 1,1-DICHLOROETHANE | 2.4 | | 5 U | 5 U | 5 U | | |
| 1,1-DICHLOROETHENE | 2.7 | | 5 U | 5 U | 48 | 96 | 7 |
| 1,1,1-TRICHLOROETHANE | 6.2 | | 5 U | 5 U | 5 U | | |
| 1,1,2-TRICHLOROETHANE | 3.4 | | 5 U | 5 U | 5 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 32 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE | 1.5 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROETHANE-D4 | 0.31 | | | | | | |
| 1,2-DICHLOROETHENE | 2.9 | | 5 U | 5 U | 5 U | | |
| 1,2-DICHLOROPROPANE | 3.5 | | 5 U | 5 U | 5 U | | |
| 1,4-BROMOFLUOROBENZENE | 2.1 | | | | | | |
| 2-BUTANONE | 7.8 | | 10 U | 10 U | 10 U | | |
| 2-HEXANONE | 0.93 | | 10 U | 10 U | 10 U | | |
| 4-METHYL-2-PENTANONE | 1.3 | | 10 U | 10 U | 10 U | | |
| SURR 1(TOL) %RECOVERY | | | 98 | 98 | 100 | | |
| SURR 2(BFB) %RECOVERY | | | 98 | 100 | 102 | | |
| SURR 3(DCE) %RECOVERY | | | 88 | 86 | 84 | | |

M/E 50

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | USGS-86 | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | WELL | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0627887 | IN0627888 | VBK06278 | IN409011A | IN409011A | IN409011A | IN409011A |
| MATRIX | NA | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | AREA | UG/L | UG/L | UG/L | % | % |
| ENV PROBLEM NO | | | | 2 | 2 | 2 | 2 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | 65100 | 69400 | 69800 | 74200 | | |
| INTERNAL STD AREA(CBZ) | | 194000 | 210000 | 210000 | 212000 | | |
| INTERNAL STD AREA(DFB) | | 234000 | 259000 | 257000 | 265000 | | |
| DILUTION FACTOR | | | 1 | 1 | 1 | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | 5(14 D) | 5(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | USGS-86 | USGS-90 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN409011A | IN409011A | IN409022A | IN416010A | IN504073A | IN504084A | IN504095A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| ACETONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 5 J |
| BENZENE | 49 | 98 | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 53 | 106 | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | USGS-86 | USGS-90 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN409011A | IN409011A | IN409022A | IN416010A | IN504073A | IN504084A | IN504095A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| CHLOROETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 1 J | | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 52 | 104 | 1 J | 1 J | 1 J | 1 J | 1 J |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 49 | 98 | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 45 | 90 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 100 | | 100 | 98 | 98 | 98 | 98 |
| SURR 2(BFB) %RECOVERY | 100 | | 102 | 102 | 100 | 106 | 102 |
| SURR 3(DCE) %RECOVERY | 84 | | 84 | 84 | 82 | 84 | 84 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | USGS-86 | USGS-90 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | WELL | WELL | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN409011A | IN409011A | IN409022A | IN416010A | IN504073A | IN504084A | IN504095A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | % | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 79500 | | 77700 | 81500 | 78500 | 62800 | 80400 |
| INTERNAL STD AREA(CBZ) | 225000 | | 221000 | 237000 | 223000 | 176000 | 237000 |
| INTERNAL STD AREA(DFB) | 279000 | | 275000 | 291000 | 275000 | 211000 | 289000 |
| DILUTION FACTOR | 1 | | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 5(14 D) | | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) |

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN0628885 | IN0628887 | IN0628887 | IN0628888 | IN504108A | IN504119A | IN504120A |
| MATRIX | WATER | NA | NA | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | AREA | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| ACETONE | | 0.18 | 34 | | 10 U | 10 U | 10 U |
| BENZENE | | 1.02 | 2.3 | | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | | 1.187 | 3.4 | | 5 U | 5 U | 5 U |
| BROMOFORM | | 0.58 | 6.4 | | 5 U | 5 U | 5 U |
| BROMOMETHANE | | 1.751 | 7.5 | | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | | 3.588 | 10 | | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | | 0.952 | 11 | | 5 U | 5 U | 5 U |
| CHLOROBENZENE | | 1.118 | 4.1 | | 5 U | 5 U | 5 U |
| CHLOROETHANE | | 0.775 | 8 | | 10 U | 10 U | 10 U |
| CHLOROFORM | | 3.441 | 6 | | 5 U | 5 U | 5 U |
| CHLOROMETHANE | | 0.677 | 14 | | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | 0.822 | 5 | | 5 U | 5 U | 5 U |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN0628885 | IN0628887 | IN0628887 | IN0628888 | IN504108A | IN504119A | IN504120A |
| MATRIX | WATER | NA | NA | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | AREA | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| DIBROMOCHLOROMETHANE | | 0.965 | 2.4 | | 5 U | 5 U | 5 U |
| ETHYLBENZENE | | 0.466 | 2.4 | | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | | 1.492 | 3.8 | | 1 J | 5 U | 5 U |
| STYRENE | | 0.904 | 1.6 | | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | | 0.534 | 6.2 | | 5 U | 5 U | 5 U |
| TOLUENE | | 0.753 | 3 | | 1 J | 1 J | 1 J |
| TOLUENE-D8 | | 1.177 | 5 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.451 | 6.2 | | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | | 0.501 | 12 | | 5 U | 5 U | 5 U |
| VINYL ACETATE | | 0.368 | 380 | | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | | 1.192 | 8.3 | | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | | 0.555 | 15 | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | | 2.97 | 5.4 | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | | 1.292 | 4.6 | | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | 0.875 | 8 | | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | | 0.414 | 3.2 | | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.796 | 12 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | | 2.008 | 5 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | 1.656 | 12 | | | | |
| 1,2-DICHLOROETHENE | | 1.369 | 9.4 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | | 0.505 | 5.7 | | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | 1.13 | 0.54 | | | | |
| 2-BUTANONE | | 0.017 | 32 | | 10 U | 10 U | 10 U |
| 2-HEXANONE | | 0.148 | 43 | | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | | 0.246 | 39 | | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | 96 | | | 96 | 96 | 96 |
| SURR 2(BFB) %RECOVERY | | 100 | | | 102 | 104 | 102 |
| SURR 3(DCE) %RECOVERY | | 98 | | | 82 | 82 | 80 |
| M/E 50 | 17 | | | | | | |
| M/E 75 | 46 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 5.7 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 51 | | | | | | |
| M/E 175-1 | 4.2 | | | | | | |
| M/E 175-2 | 8.3 | | | | | | |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN0628885 | IN0628887 | IN0628887 | IN0628888 | IN504108A | IN504119A | IN504120A |
| MATRIX | WATER | NA | NA | WATER | WATER | WATER | WATER |
| UNITS | % | RRF | % | AREA | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| M/E 176-1 | 51 | | | | | | |
| M/E 176-2 | 100 | | | | | | |
| M/E 177-1 | 3.4 | | | | | | |
| M/E 177-2 | 6.7 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 65700 | 80900 | 78000 | 78800 |
| INTERNAL STD AREA(CBZ) | | | | 169000 | 231000 | 214000 | 223000 |
| INTERNAL STD AREA(DFB) | | | | 207000 | 284000 | 258000 | 273000 |
| DILUTION FACTOR | | | | | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | 6(14 D) | 6(14 D) | 6(14 D) |

| AREA | | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRIP BLANK | METHOD BLANK | USGS-105 WELL | USGS-105 WELL | USGS-110 WELL | USGS-110 WELL | TRA 1952 WASTE POND |
| TYPE OF LOCATION | TRIP BLANK | | | | | | |
| SAMPLE NUMBER | INN23019A | VBK06288 | IN410014A | IN410025A | IN411015A | IN411026A | IN507076A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | | 2 | 2 | 2 | 2 | 3 |
| ACETONE | 6 J | 10 U | 4 J | 10 U | 10 U | 4 J | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 1 J | 5 U | 5 U | 1 J | 5 U | 5 U | 1 J |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

| AREA | | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRIP BLANK | METHOD | USGS-105 | USGS-105 | USGS-110 | USGS-110 | TRA 1952 |
| TYPE OF LOCATION | TRIP BLANK | BLANK | WELL | WELL | WELL | WELL | WASTE POND |
| SAMPLE NUMBER | INN23019A | VBK06288 | IN410014A | IN410025A | IN411015A | IN411026A | IN507076A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | | 2 | 2 | 2 | 2 | 3 |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 1 J | 1 J | 1 J | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 94 | 96 | 98 | 100 | 100 | 98 | 96 |
| SURR 2(BFB) %RECOVERY | 104 | 96 | 98 | 98 | 96 | 96 | 94 |
| SURR 3(DCE) %RECOVERY | 80 | 92 | 88 | 84 | 86 | 84 | 84 |
| M/E 50 | | | | | | | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

AREA

QA

| LOCATION | TRIP BLANK | METHOD BLANK | USGS-105 WELL | USGS-105 WELL | USGS-110 WELL | USGS-110 WELL | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | | IN410014A | IN410025A | IN411015A | IN411026A | IN507076A |
| SAMPLE NUMBER | INN23019A | VBK06288 | WATER | WATER | WATER | WATER | WATER |
| MATRIX | WATER | WATER | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | UG/L | UG/L | 2 | 2 | 2 | 2 | 3 |
| ENV PROBLEM NO | 99 | | | | | | |
| INTERNAL STD AREA(BCM) | 69300 | 56100 | 65700 | 69000 | 72500 | 76300 | 73800 |
| INTERNAL STD AREA(CBZ) | 192000 | 142000 | 160000 | 165000 | 178000 | 182000 | 183000 |
| INTERNAL STD AREA(DFB) | 227000 | 170000 | 198000 | 202000 | 217000 | 223000 | 219000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 5(14 D) | | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) | 5(14 D) |

AREA

| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRIP BLANK TRIP BLANK | TRIP BLANK TRIP BLANK |
|---|---|---|---|---|---|
| TYPE OF LOCATION | IN507087A | IN507098A | IN507101A | INN25011A | INN26012A |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | UG/L | UG/L | UG/L | UG/L | UG/L |
| UNITS | 3 | 3 | 3 | 99 | 99 |
| ENV PROBLEM NO | | | | | |
| ACETONE | 10 U | 10 U | 5 J | 10 U | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U |
| STYRENE | 1 J | 5 U | 5 U | 5 U | 9 |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | IN507087A | IN507098A | IN507101A | INN25011A | INN26012A |
| MATRIX | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 3 | 3 | 3 | 99 | 99 |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 98 | 96 | 98 | 100 | 98 |
| SURR 2(BFB) %RECOVERY | 96 | 96 | 96 | 96 | 92 |
| SURR 3(DCE) %RECOVERY | 84 | 84 | 84 | 84 | 84 |
| M/E 50 | | | | | |
| M/E 75 | | | | | |
| M/E 95 | | | | | |
| M/E 96 | | | | | |
| M/E 173-1 | | | | | |
| M/E 173-2 | | | | | |
| M/E 174 | | | | | |
| M/E 175-1 | | | | | |
| M/E 175-2 | | | | | |
| M/E 176-1 | | | | | |
| M/E 176-2 | | | | | |
| M/E 177-1 | | | | | |
| M/E 177-2 | | | | | |
| INTERNAL STD AREA(BCM) | 77100 | 76700 | 62100 | 74600 | 79700 |
| INTERNAL STD AREA(CBZ) | 190000 | 190000 | 152000 | 180000 | 196000 |
| INTERNAL STD AREA(DFB) | 230000 | 236000 | 186000 | 227000 | 241000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 |

TABLE D.6.7 INEL VOLATILE ORGANICS - SDG NUMBER: IN409011A

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AREA | | | | | | | |
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRIP BLANK | TRIP BLANK | | |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | TRIP BLANK | TRIP BLANK | | |
| SAMPLE NUMBER | IN507087A | IN507098A | IN507101A | INN25011A | INN26012A | | |
| MATRIX | WATER | WATER | WATER | WATER | WATER | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | | |
| ENV PROBLEM NO | 3 | 3 | 3 | 99 | 99 | | |
| ACTUAL(ALLOWED) HOLD TIME | 5(14 D) | 5(14 D) | 5(14 D) | 4(14 D) | 4(14 D) | | |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | ISTD RET TIM | METHOD | METHOD |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | SHIFT | BLANK | BLANK |
| SAMPLE NUMBER | IN0719885 | IN0719886 | IN0719886 | IN0728885 | IN0728888 | VBK00728 | VBK00719 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.864 | 8.2 | | | 10 U | 10 U |
| BENZENE | | 0.921 | 2.6 | | | 5 U | 5 U |
| BROMODICHLOROMETHANE | | 0.821 | 7.7 | | | 5 U | 5 U |
| BROMOFORM | | 0.54 | 16 | | | 5 U | 5 U |
| BROMOMETHANE | | 1.335 | 15.7 | | | 10 U | 10 U |
| CARBON DISULFIDE | | 2.823 | 8.1 | | | 5 U | 5 U |
| CARBON TETRACHLORIDE | | 0.631 | 10 | | | 5 U | 5 U |
| CHLOROBENZENE | | 1.101 | 5 | | | 5 U | 5 U |
| CHLOROETHANE | | 0.716 | 21.4 | | | 10 U | 10 U |
| CHLOROFORM | | 3.933 | 8.4 | | | 5 U | 5 U |
| CHLOROMETHANE | | 0.936 | 8.7 | | | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | 0.583 | 10.8 | | | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | | 0.719 | 9.4 | | | 5 U | 5 U |
| ETHYLBENZENE | | 0.544 | 3 | | | 5 U | 5 U |
| METHYLENE CHLORIDE | | 1.659 | 8.6 | | | 4 J | 5 U |
| STYRENE | | 1.018 | 4.4 | | | 5 U | 5 U |
| TETRACHLOROETHENE | | 0.554 | 2.9 | | | 5 U | 5 U |
| TOLUENE | | 0.735 | 5.3 | | | 5 U | 5 U |
| TOLUENE-D8 | | 1.154 | 2.3 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.455 | 11.3 | | | 5 U | 5 U |
| TRICHLOROETHENE | | 0.56 | 4.9 | | | 5 U | 5 U |
| VINYL ACETATE | | 0.254 | 22.4 | | | 10 U | 10 U |
| VINYL CHLORIDE | | 1.477 | 9.5 | | | 10 U | 10 U |
| XYLENE (TOTAL) | | 0.636 | 5.7 | | | 5 U | 5 U |
| 1,1-DICHLOROETHANE | | 2.871 | 7 | | | 5 U | 5 U |
| 1,1-DICHLOROETHENE | | 1.371 | 8.1 | | | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | 0.784 | 3.2 | | | 2 J | 5 U |
| 1,1,2-TRICHLOROETHANE | | 0.436 | 1.9 | | | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.74 | 9.9 | | | 5 U | 5 U |
| 1,2-DICHLOROETHANE | | 2.792 | 5.3 | | | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | 2.338 | 7.4 | | | | |
| 1,2-DICHLOROETHENE | | 1.696 | 5 | | | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | | 0.38 | 4.6 | | | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | 0.665 | 5.1 | | | | |
| 2-BUTANONE | | 0.072 | 6.5 | | | 40 | 10 U |
| 2-HEXANONE | | 0.428 | 3.5 | | | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | | 0.537 | 4.8 | | | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | | | | 101 | 107 |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | ISTD RET TIM | METHOD | METHOD |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | SHIFT | BLANK | BLANK |
| SAMPLE NUMBER | IN0719885 | IN0719886 | IN0719886 | IN0728885 | IN0728888 | VBK00728 | VBK00719 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | 101 | 110 |
| SURR 3(DCE) %RECOVERY | | | | | | 97 | 104 |
| M/E 50 | 29 | | | 24 | | | |
| M/E 75 | 54 | | | 55 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 6.6 | | | 6.7 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 86 | | | 91 | | | |
| M/E 175-1 | 6.9 | | | 6.6 | | | |
| M/E 175-2 | 8 | | | 7.2 | | | |
| M/E 176-1 | 82 | | | 91 | | | |
| M/E 176-2 | 95 | | | 100 | | | |
| M/E 177-1 | 5.2 | | | 6.4 | | | |
| M/E 177-2 | 6.3 | | | 7 | | | |
| INTERNAL STD AREA(BCM) | | | | | 33300 | | |
| INTERNAL STD AREA(CBZ) | | | | | 169000 | | |
| INTERNAL STD AREA(DFB) | | | | | 162000 | | |
| DILUTION FACTOR | | | | | | 1 | 1 |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN816070A | IN816138A | IN816150A | IN816161A | IN816183A | IN0729885 | IN0729887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| ACETONE | 590 | 150 | 34 J | 2400 E | 240 | | 0.988 |
| BENZENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.8 |
| BROMODICHLOROMETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.696 |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN816070A | IN816138A | IN816150A | IN816161A | IN816183A | IN0729885 | IN0729887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| BROMOFORM | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.483 |
| BROMOMETHANE | 54 U | 40 U | 37 U | 44 U | 40 U | | 1.055 |
| CARBON DISULFIDE | 27 U | 20 U | 18 U | 22 U | 20 U | | 2.907 |
| CARBON TETRACHLORIDE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.684 |
| CHLOROBENZENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 1.045 |
| CHLOROETHANE | 54 U | 40 U | 37 U | 44 U | 40 U | | 0.636 |
| CHLOROFORM | 27 U | 20 U | 18 U | 22 U | 20 U | | 3.375 |
| CHLOROMETHANE | 54 U | 40 U | 37 U | 44 U | 40 U | | 0.919 |
| CIS-1,3-DICHLOROPROPENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.511 |
| DIBROMOCHLOROMETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.654 |
| ETHYLBENZENE | 37 | 20 U | 18 U | 8 J | 20 U | | 0.515 |
| METHYLENE CHLORIDE | 220 B | 46 B | 77 B | 100 B | 190 B | | 1.223 |
| STYRENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.955 |
| TETRACHLOROETHENE | 22 J | 20 U | 18 U | 22 U | 20 U | | 0.593 |
| TOLUENE | 23 J | 20 U | 18 U | 5 J | 20 U | | 0.691 |
| TOLUENE-D8 | | | | | | | 1.201 |
| TRANS-1,3-DICHLOROPROPENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.369 |
| TRICHLOROETHENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.526 |
| VINYL ACETATE | 54 U | 40 U | 37 U | 44 U | 40 U | | 0.257 |
| VINYL CHLORIDE | 54 U | 40 U | 37 U | 44 U | 40 U | | 1.258 |
| XYLENE (TOTAL) | 270 | 7 J | 18 U | 55 | 20 U | | 0.597 |
| 1,1-DICHLOROETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 2.509 |
| 1,1-DICHLOROETHENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 1.709 |
| 1,1,1-TRICHLOROETHANE | 270 B | 47 B | 23 B | 47 B | 19 BJ | | 0.776 |
| 1,1,2-TRICHLOROETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.368 |
| 1,1,2,2-TETRACHLOROETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.579 |
| 1,2-DICHLOROETHANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 2.595 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 2.367 |
| 1,2-DICHLOROETHENE | 27 U | 20 U | 18 U | 22 U | 20 U | | 1.523 |
| 1,2-DICHLOROPROPANE | 27 U | 20 U | 18 U | 22 U | 20 U | | 0.319 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 0.748 |
| 2-BUTANONE | 54 U | 40 U | 37 U | 950 BE | 40 U | | 0.043 |
| 2-HEXANONE | 54 U | 40 U | 37 U | 45 | 40 U | | 0.344 |
| 4-METHYL-2-PENTANONE | 54 U | 40 U | 37 U | 140 | 40 U | | 0.446 |
| SURR 1(TOL) %RECOVERY | 104 | 101 | 102 | 104 | 99 | | |
| SURR 2(BFB) %RECOVERY | 81 | 99 | 118 | 111 | 109 | | |
| SURR 3(DCE) %RECOVERY | 116 | 115 | 113 | 109 | 107 | | |

M/E 50 25

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

DRAFT DO NOT CITE

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN816070A | IN816138A | IN816150A | IN816161A | IN816183A | IN0729885 | IN0729887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| M/E 75 | | | | | | 53 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 7.9 | |
| M/E 173-1 | | | | | | 0 | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 84 | |
| M/E 175-1 | | | | | | 5.3 | |
| M/E 175-2 | | | | | | 6.3 | |
| M/E 176-1 | | | | | | 84 | |
| M/E 176-2 | | | | | | 100 | |
| M/E 177-1 | | | | | | 6.9 | |
| M/E 177-2 | | | | | | 8.2 | |
| INTERNAL STD AREA(BCM) | 31300 | 30300 | 33400 | 29300 | 27100 | | |
| INTERNAL STD AREA(CBZ) | 136000 | 157000 | 160000 | 146000 | 143000 | | |
| INTERNAL STD AREA(DFB) | 152000 | 151000 | 158000 | 146000 | 136000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 0.999 | | |
| PERCENT MOISTURE | 7 | 4 | 3 | 18 | 17 | | |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 8(14 D) | 7(14 D) | 8(14 D) | 8(14 D) | | |

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0729887 | IN0729888 | VBK00729 | IN817059A | IN817059A | IN817059A | IN817059A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | | | 7 | 7 | 7 | 7 |
| ACETONE | -14.4 | | 10 U | 72 | 100 | | |
| BENZENE | 13.1 | | 5 U | 18 U | 155 | 85 | 9 |
| BROMODICHLOROMETHANE | 15.2 | | 5 U | 18 U | 18 U | | |
| BROMOFORM | 10.6 | | 5 U | 18 U | 18 U | | |
| BROMOMETHANE | 21 | | 10 U | 37 U | 37 U | | |
| CARBON DISULFIDE | -3 | | 5 U | 18 U | 18 U | | |
| CARBON TETRACHLORIDE | -8.4 | | 5 U | 18 U | 18 U | | |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0729887 | IN0729888 | VBK00729 | IN817059A | IN817059A | IN817059A | IN817059A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | | | 7 | 7 | 7 | 7 |
| CHLOROBENZENE | 5.1 | | 5 U | 18 U | 212 | 116 | 16 |
| CHLOROETHANE | 11.2 | | 10 U | 37 U | 37 U | | |
| CHLOROFORM | 14.2 | | 5 U | 18 U | 18 U | | |
| CHLOROMETHANE | 1.8 | | 10 U | 37 U | 37 U | | |
| CIS-1,3-DICHLOROPROPENE | 12.4 | | 5 U | 18 U | 18 U | | |
| DIBROMOCHLOROMETHANE | 9 | | 5 U | 18 U | 18 U | | |
| ETHYLBENZENE | 5.3 | | 5 U | 18 U | 18 U | | |
| METHYLENE CHLORIDE | 26.3 | | 5 U | 260 | 190 | | |
| STYRENE | 6.2 | | 5 U | 18 U | 18 U | | |
| TETRACHLOROETHENE | -7 | | 5 U | 18 U | 18 U | | |
| TOLUENE | 6 | | 5 U | 7 J | 197 | 104 | 19 |
| TOLUENE-D8 | -4.1 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 18.9 | | 5 U | 18 U | 18 U | | |
| TRICHLOROETHENE | 6.1 | | 5 U | 18 U | 195 | 107 | 17 |
| VINYL ACETATE | -1.2 | | 10 U | 37 U | 37 U | | |
| VINYL CHLORIDE | 14.8 | | 10 U | 37 U | 37 U | | |
| XYLENE (TOTAL) | 6.1 | | 5 U | 18 U | 18 U | | |
| 1,1-DICHLOROETHANE | 12.6 | | 5 U | 18 U | 18 U | | |
| 1,1-DICHLOROETHENE | -24.7 | | 5 U | 18 U | 158 | 86 | 19 |
| 1,1,1-TRICHLOROETHANE | 1 | | 5 U | 78 | 51 | | |
| 1,1,2-TRICHLOROETHANE | 15.6 | | 5 U | 18 U | 18 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 21.8 | | 5 U | 18 U | 18 U | | |
| 1,2-DICHLOROETHANE | 7.1 | | 5 U | 18 U | 18 U | | |
| 1,2-DICHLOROETHANE-D4 | -1.2 | | | | | | |
| 1,2-DICHLOROETHENE | 10.2 | | 5 U | 18 U | 18 U | | |
| 1,2-DICHLOROPROPANE | 16.1 | | 5 U | 18 U | 18 U | | |
| 1,4-BROMOFLUOROBENZENE | -12.5 | | | | | | |
| 2-BUTANONE | 40.3 | | 10 U | 37 U | 37 U | | |
| 2-HEXANONE | 19.6 | | 10 U | 37 U | 37 U | | |
| 4-METHYL-2-PENTANONE | 17 | | 10 U | 37 U | 37 U | | |
| SURR 1(TOL) %RECOVERY | | | 110 | 206 * | 114 | | |
| SURR 2(BFB) %RECOVERY | | | 116 | 126 * | 153 * | | |
| SURR 3(DCE) %RECOVERY | | | 106 | 112 | 99 | | |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN0729887 | IN0729888 | VBK00729 | IN817059A | IN817059A | IN817059A | IN817059A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | | | | 7 | 7 | 7 | 7 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | 40700 | 40000 | 30200 | 19400 | | |
| INTERNAL STD AREA(CBZ) | | 187000 | 170000 | 70000 | 104000 | | |
| INTERNAL STD AREA(DFB) | | 197000 | 179000 | 126000 | 113000 | | |
| DILUTION FACTOR | | | 1 | 0.999 | 0.999 | | |
| PERCENT MOISTURE | | | | 9 | 9 | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | 8(14 D) | 8(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN817059A | IN817059A | IN817060A | IN817071A | IN817117A | IN817151A | IN816207A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ACETONE | 59 | | 37 U | 36 U | 42 | 37 U | 34 U |
| BENZENE | 143 | 78 | 19 U | 18 U | 18 U | 18 U | 17 U |
| BROMODICHLOROMETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| BROMOFORM | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| BROMOMETHANE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| CARBON DISULFIDE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| CARBON TETRACHLORIDE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| CHLOROBENZENE | 182 | 99 | 19 U | 18 U | 18 U | 18 U | 17 U |
| CHLOROETHANE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| CHLOROFORM | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN817059A | IN817059A | IN817060A | IN817071A | IN817117A | IN817151A | IN816207A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| CHLOROMETHANE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| CIS-1,3-DICHLOROPROPENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| DIBROMOCHLOROMETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| ETHYLBENZENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| METHYLENE CHLORIDE | 200 | | 630 | 190 | 110 | 190 | 30 |
| STYRENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| TETRACHLOROETHENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| TOLUENE | 165 | 86 | 4 J | 18 U | 18 U | 18 U | 17 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| TRICHLOROETHENE | 165 | 90 | 19 U | 18 U | 18 U | 18 U | 17 U |
| VINYL ACETATE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| VINYL CHLORIDE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| XYLENE (TOTAL) | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,1-DICHLOROETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,1-DICHLOROETHENE | 130 | 71 | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,1,1-TRICHLOROETHANE | 32 | | 34 | 34 | 23 | 37 | 27 |
| 1,1,2-TRICHLOROETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,1,2,2-TETRACHLOROETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,2-DICHLOROETHANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,2-DICHLOROPROPANE | 18 U | | 19 U | 18 U | 18 U | 18 U | 17 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| 2-HEXANONE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| 4-METHYL-2-PENTANONE | 37 U | | 37 U | 36 U | 36 U | 37 U | 34 U |
| SURR 1(TOL) %RECOVERY | 108 | | 105 | 100 | 103 | 106 | 106 |
| SURR 2(BFB) %RECOVERY | 114 | | 125 * | 123 * | 124 * | 125 * | 125 * |
| SURR 3(DCE) %RECOVERY | 106 | | 119 | 99 | 137 * | 114 | 104 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | IN817059A | IN817059A | IN817060A | IN817071A | IN817117A | IN817151A | IN816207A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 35200 | | 30500 | 38200 | 27100 | 34300 | 36600 |
| INTERNAL STD AREA(CBZ) | 159000 | | 151000 | 166000 | 176000 | 164000 | 166000 |
| INTERNAL STD AREA(DFB) | 163000 | | 161000 | 166000 | 175000 | 165000 | 178000 |
| DILUTION FACTOR | 0.999 | | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 |
| PERCENT MOISTURE | 9 | | 10 | 8 | 8 | 9 | 3 |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) |

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN0801885 | IN0801887 | IN0801887 | IN0801888 | VBK00801 | IN502015A | IN502026A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.906 | -4.9 | | 10 U | 150 | 200 |
| BENZENE | | 0.852 | 7.5 | | 5 U | 17 U | 29 U |
| BROMODICHLOROMETHANE | | 0.741 | 9.7 | | 5 U | 17 U | 29 U |
| BROMOFORM | | 0.552 | -2.2 | | 5 U | 33 U | 29 U |
| BROMOMETHANE | | 1.132 | 15.2 | | 10 U | 33 U | 58 U |
| CARBON DISULFIDE | | 2.581 | 8.6 | | 5 U | 17 U | 29 U |
| CARBON TETRACHLORIDE | | 0.686 | -8.7 | | 5 U | 17 U | 29 U |
| CHLOROBENZENE | | 1.083 | 1.6 | | 5 U | 17 U | 29 U |
| CHLOROETHANE | | 0.69 | 3.6 | | 10 U | 33 U | 58 U |
| CHLOROFORM | | 3.438 | 12.6 | | 5 U | 17 U | 29 U |
| CHLOROMETHANE | | 0.972 | -3.8 | | 10 U | 33 U | 58 U |
| CIS-1,3-DICHLOROPROPENE | | 0.512 | 12.2 | | 5 U | 17 U | 29 U |
| DIBROMOCHLOROMETHANE | | 0.681 | 5.3 | | 5 U | 17 U | 29 U |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN0801885 | IN0801887 | IN0801887 | IN0801888 | VBK00801 | IN502015A | IN502026A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 3 | 3 |
| ETHYLBENZENE | | 0.51 | 6.3 | | 5 U | 17 U | 29 U |
| METHYLENE CHLORIDE | | 1.233 | 25.7 | | 5 U | 480 | 81 |
| STYRENE | | 0.994 | 2.4 | | 5 U | 17 U | 29 U |
| TETRACHLOROETHENE | | 0.639 | -15.3 | | 5 U | 17 U | 29 U |
| TOLUENE | | 0.675 | 8.2 | | 5 U | 10 J | 9 J |
| TOLUENE-D8 | | 1.165 | -1 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.405 | 11 | | 5 U | 17 U | 29 U |
| TRICHLOROETHENE | | 0.595 | -6.3 | | 5 U | 17 U | 29 U |
| VINYL ACETATE | | 0.258 | -1.6 | | 10 U | 33 U | 58 U |
| VINYL CHLORIDE | | 1.198 | 18.9 | | 10 U | 33 U | 58 U |
| XYLENE (TOTAL) | | 0.622 | 2.2 | | 5 U | 17 U | 29 U |
| 1,1-DICHLOROETHANE | | 2.47 | 14 | | 5 U | 17 U | 29 U |
| 1,1-DICHLOROETHENE | | 1.38 | -0.7 | | 5 U | 17 U | 29 U |
| 1,1,1-TRICHLOROETHANE | | 0.814 | -3.8 | | 5 U | 11 J | 19 J |
| 1,1,2-TRICHLOROETHANE | | 0.38 | 12.8 | | 5 U | 17 U | 29 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.615 | 16.9 | | 5 U | 17 U | 29 U |
| 1,2-DICHLOROETHANE | | 2.82 | -0.1 | | 5 U | 17 U | 29 U |
| 1,2-DICHLOROETHANE-D4 | | 2.264 | 3.2 | | | | |
| 1,2-DICHLOROETHENE | | 1.439 | 15.2 | | 5 U | 17 U | 29 U |
| 1,2-DICHLOROPROPANE | | 0.346 | 8.9 | | 5 U | 17 U | 29 U |
| 1,4-BROMOFLUOROBENZENE | | 0.812 | -22.1 | | | | |
| 2-BUTANONE | | 0.06 | 16.7 | | 10 U | 51 | 58 U |
| 2-HEXANONE | | 0.41 | 4.2 | | 10 U | 33 U | 58 U |
| 4-METHYL-2-PENTANONE | | 0.557 | -3.7 | | 10 U | 33 U | 58 U |
| SURR 1(TOL) %RECOVERY | | | | | 103 | 122 * | 109 |
| SURR 2(BFB) %RECOVERY | | | | | 125 * | 91 | 108 |
| SURR 3(DCE) %RECOVERY | | | | | 105 | 109 | 89 |
| M/E 50 | 29 | | | | | | |
| M/E 75 | 53 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 7.8 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 86 | | | | | | |
| M/E 175-1 | 7 | | | | | | |
| M/E 175-2 | 8.1 | | | | | | |
| M/E 176-1 | 87 | | | | | | |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN0801885 | IN0801887 | IN0801887 | IN0801888 | VBK00801 | IN502015A | IN502026A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| M/E 176-2 | 101 | | | | | | |
| M/E 177-1 | 5.7 | | | | | | |
| M/E 177-2 | 6.5 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 46400 | 44800 | 33200 | 38900 |
| INTERNAL STD AREA(CBZ) | | | | 208000 | 207000 | 120000 | 159000 |
| INTERNAL STD AREA(DFB) | | | | 212000 | 211000 | 171000 | 185000 |
| DILUTION FACTOR | | | | | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | | | 40 | 69 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 12(14 D) | 12(14 D) |

| AREA | | | | |
|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN502037A | IN502048A | IN502059A | IN502060A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | |
| ACETONE | 160 | 17 J | 120 | 81 |
| BENZENE | 29 U | 21 U | 25 U | 21 U |
| BROMODICHLOROMETHANE | 29 U | 21 U | 25 U | 21 U |
| BROMOFORM | 29 U | 21 U | 25 U | 21 U |
| BROMOMETHANE | 59 U | 43 U | 49 U | 41 U |
| CARBON DISULFIDE | 29 U | 21 U | 25 U | 21 U |
| CARBON TETRACHLORIDE | 29 U | 21 U | 25 U | 21 U |
| CHLOROBENZENE | 29 U | 21 U | 25 U | 21 U |
| CHLOROETHANE | 59 U | 43 U | 49 U | 41 U |
| CHLOROFORM | 29 U | 21 U | 25 U | 21 U |
| CHLOROMETHANE | 59 U | 43 U | 49 U | 41 U |
| CIS-1,3-DICHLOROPROPENE | 29 U | 21 U | 25 U | 21 U |
| DIBROMOCHLOROMETHANE | 29 U | 21 U | 25 U | 21 U |
| ETHYLBENZENE | 29 U | 21 U | 25 U | 21 U |
| METHYLENE CHLORIDE | 86 | 150 | 270 | 190 |
| STYRENE | 29 U | 21 U | 25 U | 21 U |

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN502037A | IN502048A | IN502059A | IN502060A |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 |
| TETRACHLOROETHENE | 29 U | 21 U | 25 U | 21 U |
| TOLUENE | 20 J | 21 U | 5 J | 16 J |
| TOLUENE-D8 | | | | |
| TRANS-1,3-DICHLOROPROPENE | 29 U | 21 U | 25 U | 21 U |
| TRICHLOROETHENE | 29 U | 21 U | 25 U | 21 U |
| VINYL ACETATE | 59 U | 43 U | 49 U | 41 U |
| VINYL CHLORIDE | 59 U | 43 U | 49 U | 41 U |
| XYLENE (TOTAL) | 29 U | 21 U | 25 U | 21 U |
| 1,1-DICHLOROETHANE | 29 U | 21 U | 25 U | 21 U |
| 1,1-DICHLOROETHENE | 29 U | 21 U | 25 U | 21 U |
| 1,1,1-TRICHLOROETHANE | 18 J | 13 J | 14 J | 21 |
| 1,1,2-TRICHLOROETHANE | 29 U | 21 U | 25 U | 21 U |
| 1,1,2,2-TETRACHLOROETHANE | 29 U | 21 U | 25 U | 21 U |
| 1,2-DICHLOROETHANE | 29 U | 21 U | 25 U | 21 U |
| 1,2-DICHLOROETHANE-D4 | | | | |
| 1,2-DICHLOROETHENE | 29 U | 21 U | 25 U | 21 U |
| 1,2-DICHLOROPROPANE | 29 U | 21 U | 25 U | 21 U |
| 1,4-BROMOFLUOROBENZENE | | | | |
| 2-BUTANONE | 59 U | 33 J | 30 J | 41 U |
| 2-HEXANONE | 59 U | 43 U | 49 U | 41 U |
| 4-METHYL-2-PENTANONE | 59 U | 43 U | 49 U | 41 U |
| SURR 1(TOL) %RECOVERY | 115 | 0 D | 111 | 108 |
| SURR 2(BFB) %RECOVERY | 108 | 0 D | 113 | 108 |
| SURR 3(DCE) %RECOVERY | 116 | 0 D | 108 | 120 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.8 INEL VOLATILE ORGANICS - SDG NUMBER: IN502015A

AREA

| | | | | |
|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN502037A | IN502048A | IN502059A | IN502060A |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 |
| INTERNAL STD AREA(BCM) | 32100 | 34700 | 34500 | 26400 |
| INTERNAL STD AREA(CBZ) | 153000 | | 139000 | 142000 |
| INTERNAL STD AREA(DFB) | 184000 | 173000 | 172000 | 160000 |
| DILUTION FACTOR | 0.999 | 1 | 1 | 1 |
| PERCENT MOISTURE | 77 | 53 | 49 | 68 |
| ACTUAL(ALLOWED) HOLD TIME | 12(14 D) | 12(14 D) | 12(14 D) | 12(14 D) |

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN1005885 | IN1005886 | IN1005886 | IN1006885 | IN1006887 | IN1006887 | IN1006888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.352 | 12.5 | | 0.541 | -53.7 | |
| BENZENE | | 0.515 | 3.6 | | 0.496 | 3.7 | |
| BROMODICHLOROMETHANE | | 0.557 | 3.4 | | 0.593 | -6.5 | |
| BROMOFORM | | 0.601 | 5.9 | | 0.483 | 19.6 | |
| BROMOMETHANE | | 1.14 | 7.7 | | 1.197 | -5 | |
| CARBON DISULFIDE | | 0.498 | 6.4 | | 0.548 | -10 | |
| CARBON TETRACHLORIDE | | 0.413 | 5.2 | | 0.383 | 7.3 | |
| CHLOROBENZENE | | 0.875 | 1.8 | | 0.904 | -3.3 | |
| CHLOROETHANE | | 0.453 | 11 | | 0.491 | -8.4 | |
| CHLOROFORM | | 1.967 | 3.9 | | 2.273 | -15.6 | |
| CHLOROMETHANE | | 0.658 | 9.9 | | 0.538 | 18.2 | |
| CIS-1,3-DICHLOROPROPENE | | 0.397 | 3.8 | | 0.399 | -0.5 | |
| DIBROMOCHLOROMETHANE | | 0.6 | 4.5 | | 0.572 | 4.7 | |
| ETHYLBENZENE | | 0.461 | 3.8 | | 0.454 | 1.5 | |
| METHYLENE CHLORIDE | | 4.374 | 3.9 | | 4.897 | -12 | |
| STYRENE | | 0.899 | 1.4 | | 0.837 | 6.9 | |
| TETRACHLOROETHENE | | 0.485 | 5.4 | | 0.448 | 7.6 | |
| TOLUENE | | 0.469 | 5.9 | | 0.506 | -7.9 | |
| TOLUENE-D8 | | 1.007 | 2.5 | | 1.01 | -0.3 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.342 | 8.1 | | 0.321 | 6.1 | |
| TRICHLOROETHENE | | 0.368 | 4.5 | | 0.361 | 1.9 | |
| VINYL ACETATE | | 0.164 | 10.4 | | 0.202 | -23.2 | |
| VINYL CHLORIDE | | 0.832 | 6.8 | | 0.835 | -0.4 | |
| XYLENE (TOTAL) | | 0.537 | 3.4 | | 0.534 | 0.6 | |
| 1,1-DICHLOROETHANE | | 1.16 | 5.5 | | 1.306 | -12.6 | |
| 1,1-DICHLOROETHENE | | 0.32 | 10.6 | | 0.37 | -15.6 | |
| 1,1,1-TRICHLOROETHANE | | 0.486 | 2.1 | | 0.472 | 2.9 | |
| 1,1,2-TRICHLOROETHANE | | 0.326 | 6.3 | | 0.307 | 5.8 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.571 | 11.1 | | 0.607 | -6.3 | |
| 1,2-DICHLOROETHANE | | 1.579 | 2.8 | | 1.847 | -17 | |
| 1,2-DICHLOROETHANE-D4 | | 1.533 | 3.7 | | 1.8 | -17.4 | |
| 1,2-DICHLOROETHENE | | 0.75 | 5.1 | | 0.844 | -12.5 | |
| 1,2-DICHLOROPROPANE | | 0.221 | 7.2 | | 0.236 | -6.8 | |
| 1,4-BROMOFLUOROBENZENE | | 0.768 | 3.2 | | 0.679 | 11.6 | |
| 2-BUTANONE | | 0.029 | 25.6 | | 0.027 | 6.9 | |
| 2-HEXANONE | | 0.285 | 6.4 | | 0.337 | -18.3 | |
| 4-METHYL-2-PENTANONE | | 0.343 | 11.9 | | 0.425 | -23.9 | |
| SURR 1(TOL) %RECOVERY | | | | | | | |

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN1005885 | IN1005886 | IN1005886 | IN1006885 | IN1006887 | IN1006887 | IN1006888 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | | |
| SURR 3(DCE) %RECOVERY | | | | | | | |
| M/E 50 | 22 | | | 20 | | | |
| M/E 75 | 50 | | | 52 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 7.6 | | | 7.6 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 72 | | | 52 | | | |
| M/E 175-1 | 4.1 | | | 3.1 | | | |
| M/E 175-2 | 5.7 | | | 5.9 | | | |
| M/E 176-1 | 72 | | | 50 | | | |
| M/E 176-2 | 101 | | | 96 | | | |
| M/E 177-1 | 5.5 | | | 3.5 | | | |
| M/E 177-2 | 7.6 | | | 7 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 34900 |
| INTERNAL STD AREA(CBZ) | | | | | | | 144000 |
| INTERNAL STD AREA(DFB) | | | | | | | 164000 |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TUNED CALIBRATION |
| TYPE OF LOCATION | VBK01006 | IN515010A | IN515021A | IN512017A | IN512028A | IN512039A | IN1007885 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| UNITS | | 3 | 3 | 3 | 3 | 3 | |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| BENZENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| BROMODICHLOROMETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TUNED CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK01006 | IN515010A | IN515021A | IN512017A | IN512028A | IN512039A | IN1007885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | |
| BROMOFORM | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| BROMOMETHANE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| CARBON DISULFIDE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| CARBON TETRACHLORIDE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| CHLOROBENZENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| CHLOROETHANE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| CHLOROFORM | 5 U | 9 J | 8 J | 18 | 13 | 17 | |
| CHLOROMETHANE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| DIBROMOCHLOROMETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| ETHYLBENZENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| METHYLENE CHLORIDE | 5 U | 13 | 7 J | 9 J | 11 J | 8 J | |
| STYRENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| TETRACHLOROETHENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| TOLUENE | 5 U | 13 U | 12 U | 13 U | 12 U | 5 J | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| TRICHLOROETHENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| VINYL ACETATE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| VINYL CHLORIDE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| XYLENE (TOTAL) | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,1-DICHLOROETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,1-DICHLOROETHENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,1,1-TRICHLOROETHANE | 5 U | 25 | 26 | 43 | 12 J | 18 | |
| 1,1,2-TRICHLOROETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,2-DICHLOROETHANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,2-DICHLOROPROPANE | 5 U | 13 U | 12 U | 13 U | 12 U | 15 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| 2-HEXANONE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| 4-METHYL-2-PENTANONE | 10 U | 25 U | 24 U | 25 U | 24 U | 29 U | |
| SURR 1(TOL) %RECOVERY | 119 * | 107 | 100 | 103 | 103 | 102 | |
| SURR 2(BFB) %RECOVERY | 70 * | 92 | 91 | 95 | 92 | 93 | |
| SURR 3(DCE) %RECOVERY | 121 | 105 | 112 | 105 | 108 | 110 | |

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TUNED CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK01006 | IN515010A | IN515021A | IN512017A | IN512028A | IN512039A | IN1007885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | |
| M/E 75 | | | | | | | 52 |
| M/E 95 | | | | | | | 100 |
| M/E 96 | | | | | | | 8.4 |
| M/E 173-1 | | | | | | | 0 |
| M/E 173-2 | | | | | | | 0 |
| M/E 174 | | | | | | | 65 |
| M/E 175-1 | | | | | | | 3.6 |
| M/E 175-2 | | | | | | | 5.5 |
| M/E 176-1 | | | | | | | 64 |
| M/E 176-2 | | | | | | | 98 |
| M/E 177-1 | | | | | | | 3.7 |
| M/E 177-2 | | | | | | | 5.8 |
| INTERNAL STD AREA(BCM) | 53600 | 36200 | 36700 | 38500 | 40700 | 37500 | |
| INTERNAL STD AREA(CBZ) | 213000 | 134000 | 143000 | 144000 | 153000 | 144000 | |
| INTERNAL STD AREA(DFB) | 247000 | 153000 | 158000 | 164000 | 170000 | 162000 | |
| DILUTION FACTOR | 1 | 1 | 0.998 | 1 | 0.998 | 1 | |
| PERCENT MOISTURE | | 20 | 19 | 21 | 21 | 32 | |
| ACTUAL(ALLOWED) HOLD TIME | | 24(14 D) | 23(14 D) | 22(14 D) | | 17(14 D) | |

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN1007887 | IN1007887 | IN1007888 | VBK01007 | IN509012A | IN509034A | IN503027A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| ACETONE | 0.495 | -40.6 | | 10 U | 25 U | 26 U | 25 U |
| BENZENE | 0.47 | 8.7 | | 5 U | 12 U | 13 U | 13 U |
| BROMODICHLOROMETHANE | 0.627 | -12.6 | | 5 U | 12 U | 13 U | 13 U |
| BROMOFORM | 0.544 | 9.5 | | 5 U | 12 U | 13 U | 13 U |
| BROMOMETHANE | 0.921 | 19.2 | | 10 U | 25 U | 26 U | 25 U |
| CARBON DISULFIDE | 0.457 | 8.2 | | 5 U | 12 U | 13 U | 13 U |
| CARBON TETRACHLORIDE | 0.484 | -17.2 | | 5 U | 12 U | 13 U | 13 U |

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN1007887 | IN1007887 | IN1007888 | VBK01007 | IN509012A | IN509034A | IN503027A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| CHLOROBENZENE | 0.874 | 0.1 | | 5 U | 12 U | 13 U | 13 U |
| CHLOROETHANE | 0.454 | -0.2 | | 10 U | 25 U | 26 U | 25 U |
| CHLOROFORM | 2.076 | -5.5 | | 5 U | 12 U | 13 U | 13 U |
| CHLOROMETHANE | | 100 | | 10 U | 25 U | 26 U | 25 U |
| CIS-1,3-DICHLOROPROPENE | 0.395 | 0.5 | | 5 U | 12 U | 13 U | 13 U |
| DIBROMOCHLOROMETHANE | 0.63 | -5 | | 5 U | 12 U | 13 U | 13 U |
| ETHYLBENZENE | 0.447 | 3 | | 5 U | 12 U | 13 U | 13 U |
| METHYLENE CHLORIDE | 4.3 | 1.7 | | 2 J | 20 B | 12 BJ | 6 BJ |
| STYRENE | 0.835 | 7.1 | | 5 U | 12 U | 13 U | 13 U |
| TETRACHLOROETHENE | 0.474 | 2.3 | | 5 U | 12 U | 13 U | 13 U |
| TOLUENE | 0.503 | -7.2 | | 5 U | 4 J | 13 U | 13 U |
| TOLUENE-D8 | 1.008 | -0.1 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.313 | 8.5 | | 5 U | 12 U | 13 U | 13 U |
| TRICHLOROETHENE | 0.389 | -5.7 | | 5 U | 12 U | 13 U | 13 U |
| VINYL ACETATE | 0.173 | -5.5 | | 10 U | 25 U | 26 U | 25 U |
| VINYL CHLORIDE | 0.58 | 30.3 | | 10 U | 25 U | 26 U | 25 U |
| XYLENE (TOTAL) | 0.492 | 8.4 | | 5 U | 12 U | 13 U | 13 U |
| 1,1-DICHLOROETHANE | 1.189 | -2.5 | | 5 U | 12 U | 13 U | 13 U |
| 1,1-DICHLOROETHENE | 0.333 | -4.1 | | 5 U | 12 U | 13 U | 13 U |
| 1,1,1-TRICHLOROETHANE | 0.567 | -16.7 | | 5 U | 53 | 39 | 130 |
| 1,1,2-TRICHLOROETHANE | 0.281 | 13.8 | | 5 U | 12 U | 13 U | 13 U |
| 1,1,2,2-TETRACHLOROETHANE | 0.551 | 3.5 | | 5 U | 12 U | 13 U | 13 U |
| 1,2-DICHLOROETHANE | 1.815 | -15 | | 5 U | 12 U | 13 U | 13 U |
| 1,2-DICHLOROETHANE-D4 | 1.856 | -21.1 | | | | | |
| 1,2-DICHLOROETHENE | 0.697 | 7.1 | | 5 U | 12 U | 13 U | 13 U |
| 1,2-DICHLOROPROPANE | 0.209 | 5.4 | | 5 U | 12 U | 13 U | 13 U |
| 1,4-BROMOFLUOROBENZENE | 0.714 | 7 | | | | | |
| 2-BUTANONE | 0.038 | -31 | | 10 U | 25 U | 26 U | 25 U |
| 2-HEXANONE | 0.278 | 2.5 | | 10 U | 25 U | 26 U | 25 U |
| 4-METHYL-2-PENTANONE | 0.379 | -10.5 | | 10 U | 25 U | 26 U | 25 U |
| SURR 1(TOL) %RECOVERY | | | | 91 | 94 | 98 | 100 |
| SURR 2(BFB) %RECOVERY | | | | 100 | 94 | 107 | 110 |
| SURR 3(DCE) %RECOVERY | | | | 115 | 108 | 117 | 104 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN1007887 | IN1007887 | IN1007888 | VBK01007 | IN509012A | IN509034A | IN503027A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 3 | 3 | 3 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 41000 | 42000 | 45500 | 40400 | 49300 |
| INTERNAL STD AREA(CBZ) | | | 159000 | 185000 | 165000 | 183000 | 185000 |
| INTERNAL STD AREA(DFB) | | | 171000 | 192000 | 185000 | 197000 | 204000 |
| DILUTION FACTOR | | | | 1 | 0.998 | 0.998 | 1 |
| PERCENT MOISTURE | | | | | 23 | 25 | 20 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | 11(14 D) | 10(14 D) | 9(14 D) |

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % | TRA 1952 | |
| TYPE OF LOCATION | SPIKE | RECOVERY | | DUPLICATE | RECOVERY | WASTE POND | |
| SAMPLE NUMBER | IN503027A | IN503027A | IN503027A | IN503027A | IN503027A | IN503038A | |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | |
| UNITS | UG/KG | % | % | UG/KG | % | UG/KG | |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | |
| ACETONE | 24 U | | | 24 U | | 25 U | |
| BENZENE | 146 | 122 | 3 | 142 | 118 | 150 | |
| BROMODICHLOROMETHANE | 12 U | | | 12 U | | 12 U | |
| BROMOFORM | 12 U | | | 12 U | | 12 U | |
| BROMOMETHANE | 24 U | | | 24 U | | 25 U | |
| CARBON DISULFIDE | 12 U | | | 12 U | | 12 U | |
| CARBON TETRACHLORIDE | 12 U | | | 12 U | | 12 U | |
| CHLOROBENZENE | 132 | 110 | -2 | 134 | 112 | 140 | |
| CHLOROETHANE | 24 U | | | 24 U | | 25 U | |
| CHLOROFORM | 12 U | | | 12 U | | 3 J | |

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | |
| SAMPLE NUMBER | IN503027A | IN503027A | IN503027A | IN503027A | IN503027A | IN503038A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | % | UG/KG | % | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 |
| CHLOROMETHANE | 24 U | | | 24 U | | 25 U |
| CIS-1,3-DICHLOROPROPENE | 12 U | | | 12 U | | 12 U |
| DIBROMOCHLOROMETHANE | 12 U | | | 12 U | | 12 U |
| ETHYLBENZENE | 12 U | | | 12 U | | 12 U |
| METHYLENE CHLORIDE | 8 BJ | | | 9 BJ | | 12 U |
| STYRENE | 12 U | | | 12 U | | 12 U |
| TETRACHLOROETHENE | 12 U | | | 12 U | | 12 U |
| TOLUENE | 139 | 116 | -12 | 157 | 131 | 160 |
| TOLUENE-D8 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 12 U | | | 12 U | | 12 U |
| TRICHLOROETHENE | 150 | 125 | -3 | 155 | 129 | 170 |
| VINYL ACETATE | 24 U | | | 24 U | | 25 U |
| VINYL CHLORIDE | 24 U | | | 24 U | | 25 U |
| XYLENE (TOTAL) | 12 U | | | 12 U | | 12 U |
| 1,1-DICHLOROETHANE | 12 U | | | 12 U | | 12 U |
| 1,1-DICHLOROETHENE | 322 | 268 * | -20 | 394 | 328 * | 420 |
| 1,1,1-TRICHLOROETHANE | 69 | | | 54 | | 25 |
| 1,1,2-TRICHLOROETHANE | 12 U | | | 12 U | | 12 U |
| 1,1,2,2-TETRACHLOROETHANE | 12 U | | | 12 U | | 12 U |
| 1,2-DICHLOROETHANE | 12 U | | | 12 U | | 12 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | |
| 1,2-DICHLOROETHENE | 12 U | | | 12 U | | 12 U |
| 1,2-DICHLOROPROPANE | 12 U | | | 12 U | | 12 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | |
| 2-BUTANONE | 24 U | | | 24 U | | 25 U |
| 2-HEXANONE | 24 U | | | 24 U | | 25 U |
| 4-METHYL-2-PENTANONE | 24 U | | | 24 U | | 25 U |
| SURR 1(TOL) %RECOVERY | 97 | | | 97 | | 104 |
| SURR 2(BFB) %RECOVERY | 108 | | | 107 | | 103 |
| SURR 3(DCE) %RECOVERY | 110 | | | 115 | | 112 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.9 INEL VOLATILE ORGANICS - SDG NUMBER: IN503027A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | | | |
| SAMPLE NUMBER | IN503027A | IN503027A | IN503027A | IN503027A | IN503027A | IN503038A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | % | UG/KG | % | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 |
| M/E 175-1 | | | | | | |
| M/E 175-2 | | | | | | |
| M/E 176-1 | | | | | | |
| M/E 176-2 | | | | | | |
| M/E 177-1 | | | | | | |
| M/E 177-2 | | | | | | |
| INTERNAL STD AREA(BCM) | 48100 | | | 46900 | | 44200 |
| INTERNAL STD AREA(CBZ) | 180000 | | | 185000 | | 163000 |
| INTERNAL STD AREA(DFB) | 201000 | | | 202000 | | 186000 |
| DILUTION FACTOR | 0.998 | | | 0.998 | | 1 |
| PERCENT MOISTURE | 20 | | | 20 | | 19 |
| ACTUAL(ALLOWED) HOLD TIME | 9(14 D) | | | 9(14 D) | | 8(14 D) |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0630885 | IN0630886 | IN0630886 | IN0701885 | IN0701887 | IN0701887 | IN0701888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.352 | 23 | | 0.531 | 70 | |
| BENZENE | | 1.037 | 4.2 | | 1.062 | 2.4 | |
| BROMODICHLOROMETHANE | | 1.171 | 8.2 | | 1.26 | 7.7 | |
| BROMOFORM | | 0.577 | 3.7 | | 0.669 | 16 | |
| BROMOMETHANE | | 1.949 | 8.8 | | 1.988 | 2 | |
| CARBON DISULFIDE | | 4.961 | 6.6 | | 4.85 | 2.2 | |
| CARBON TETRACHLORIDE | | 0.875 | 7.4 | | 0.966 | 10 | |
| CHLOROBENZENE | | 1.021 | 1.4 | | 0.996 | 2.5 | |
| CHLOROETHANE | | 0.939 | 13 | | 1.009 | 7.4 | |
| CHLOROFORM | | 3.918 | 5.9 | | 3.827 | 2.3 | |
| CHLOROMETHANE | | 1.053 | 9.1 | | 0.994 | 5.6 | |
| CIS-1,3-DICHLOROPROPENE | | 0.824 | 11 | | 0.848 | 2.8 | |
| DIBROMOCHLOROMETHANE | | 0.85 | 4.5 | | 0.932 | 9.6 | |
| ETHYLBENZENE | | 0.437 | 2.8 | | 0.43 | 1.6 | |
| METHYLENE CHLORIDE | | 1.835 | 8.4 | | 1.924 | 4.9 | |
| STYRENE | | 0.963 | 9.7 | | 0.81 | 16 | |
| TETRACHLOROETHENE | | 0.52 | 5.7 | | 0.569 | 9.4 | |
| TOLUENE | | 0.74 | 3.6 | | 0.741 | 0.1 | |
| TOLUENE-D8 | | 1.115 | 1.6 | | 1.104 | 1 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.453 | 8.6 | | 0.476 | 4.8 | |
| TRICHLOROETHENE | | 0.492 | 2.8 | | 0.517 | 4.9 | |
| VINYL ACETATE | | 0.335 | 38 | | 0.487 | 46 | |
| VINYL CHLORIDE | | 1.47 | 15 | | 1.536 | 4.5 | |
| XYLENE (TOTAL) | | 0.602 | 12 | | 0.487 | 19 | |
| 1,1-DICHLOROETHANE | | 3.451 | 6.5 | | 3.198 | 7.3 | |
| 1,1-DICHLOROETHENE | | 1.521 | 4.2 | | 1.447 | 4.9 | |
| 1,1,1-TRICHLOROETHANE | | 0.796 | 9.1 | | 0.908 | 14 | |
| 1,1,2-TRICHLOROETHANE | | 0.392 | 3.2 | | 0.427 | 9 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.764 | 5.7 | | 0.847 | 11 | |
| 1,2-DICHLOROETHANE | | 2.325 | 8.9 | | 2.348 | 1 | |
| 1,2-DICHLOROETHANE-D4 | | 2.053 | 14 | | 1.942 | 5.4 | |
| 1,2-DICHLOROETHENE | | 1.55 | 3.4 | | 1.495 | 3.6 | |
| 1,2-DICHLOROPROPANE | | 0.536 | 7.1 | | 0.541 | 1 | |
| 1,4-BROMOFLUOROBENZENE | | 1.16 | 4.4 | | 1.116 | 3.8 | |
| 2-BUTANONE | | 0.02 | 8.5 | | 0.022 | 12 | |
| 2-HEXANONE | | 0.217 | 8.8 | | 0.224 | 3 | |
| 4-METHYL-2-PENTANONE | | 0.315 | 9.7 | | 0.352 | 12 | |
| SURR 1(TOL) %RECOVERY | | | | | 99 | | |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN0630885 | IN0630886 | IN0630886 | IN0701885 | IN0701887 | IN0701887 | IN0701888 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 96 | | |
| SURR 3(DCE) %RECOVERY | | | | | 95 | | |
| M/E 50 | 20 | | | 19 | | | |
| M/E 75 | 52 | | | 52 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 8 | | | 7.2 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 70 | | | 55 | | | |
| M/E 175-1 | 5.4 | | | 4.1 | | | |
| M/E 175-2 | 7.8 | | | 7.4 | | | |
| M/E 176-1 | 68 | | | 55 | | | |
| M/E 176-2 | 97 | | | 100 | | | |
| M/E 177-1 | 5.3 | | | 3.9 | | | |
| M/E 177-2 | 7.8 | | | 7.2 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 42700 |
| INTERNAL STD AREA(CBZ) | | | | | | | 112000 |
| INTERNAL STD AREA(DFB) | | | | | | | 137000 |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | TUNED CALIBRATION |
| TYPE OF LOCATION | VBK07018 | IN505052A | IN505063A | IN508044A | IN508055A | IN805011A | IN0706885 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| UNITS | | 3 | 3 | 3 | 3 | 5 | |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 5 U | 13 U | 50 | 37 | 13 J | 25 | |
| BENZENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| BROMODICHLOROMETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A DRAFT DO NOT CITE

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | TUNED CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK07018 | IN505052A | IN505063A | IN508044A | IN508055A | IN805011A | IN0706885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 5 | |
| BROMOFORM | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| BROMOMETHANE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| CARBON DISULFIDE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| CARBON TETRACHLORIDE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| CHLOROBENZENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| CHLOROETHANE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| CHLOROFORM | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| CHLOROMETHANE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| DIBROMOCHLOROMETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| ETHYLBENZENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| METHYLENE CHLORIDE | 5 U | 7 U | 15 U | 6 J | 7 U | 6 U | |
| STYRENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| TETRACHLOROETHENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| TOLUENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| TRICHLOROETHENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| VINYL ACETATE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| VINYL CHLORIDE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| XYLENE (TOTAL) | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,1-DICHLOROETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,1-DICHLOROETHENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,1,1-TRICHLOROETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,2-DICHLOROETHANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,2-DICHLOROPROPANE | 5 U | 7 U | 15 U | 7 U | 7 U | 6 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| 2-HEXANONE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| 4-METHYL-2-PENTANONE | 10 U | 13 U | 30 U | 14 U | 14 U | 12 U | |
| SURR 1(TOL) %RECOVERY | 96 | 109 | 113 | 103 | 98 | 95 | |
| SURR 2(BFB) %RECOVERY | 106 | 92 | 90 | 97 | 94 | 102 | |
| SURR 3(DCE) %RECOVERY | 95 | 85 | 89 | 89 | 88 | 93 | |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | QA | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | TUNED CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK07018 | IN505052A | IN505063A | IN508044A | IN508055A | IN805011A | IN0706885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 5 | |
| M/E 75 | | | | | | | 49 |
| M/E 95 | | | | | | | 100 |
| M/E 96 | | | | | | | 7.9 |
| M/E 173-1 | | | | | | | 0 |
| M/E 173-2 | | | | | | | 0 |
| M/E 174 | | | | | | | 51 |
| M/E 175-1 | | | | | | | 4 |
| M/E 175-2 | | | | | | | 7.9 |
| M/E 176-1 | | | | | | | 51 |
| M/E 176-2 | | | | | | | 100 |
| M/E 177-1 | | | | | | | 3.4 |
| M/E 177-2 | | | | | | | 6.8 |
| INTERNAL STD AREA(BCM) | 36200 | 53700 | 34300 | 46900 | 55500 | 40200 | |
| INTERNAL STD AREA(CBZ) | 101000 | 119000 | 68300 | 120000 | 147000 | 109000 | |
| INTERNAL STD AREA(DFB) | 120000 | 168000 | 102000 | 155000 | 182000 | 127000 | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | |
| PERCENT MOISTURE | | 20 | 65 | 23 | 25 | 9 | |
| ACTUAL(ALLOWED) HOLD TIME | | 10(14 D) | 10(14 D) | 9(14 D) | 9(14 D) | 9(14 D) | |

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN0706887 | IN0706887 | IN0706888 | IN511016A | IN511049A | IN511050A | IN809015A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 5 |
| ACETONE | 0.358 | 15 | | 60 | 45 | 44 | 34 |
| BENZENE | 1.118 | 7.8 | | 8 U | 9 U | 8 U | 6 U |
| BROMODICHLOROMETHANE | 1.41 | 20 | | 8 U | 9 U | 8 U | 6 U |
| BROMOFORM | 0.726 | 26 | | 8 U | 9 U | 8 U | 6 U |
| BROMOMETHANE | 1.605 | 18 | | 15 U | 19 U | 15 U | 11 U |
| CARBON DISULFIDE | 3.821 | 23 | | 8 U | 9 U | 8 U | 6 U |
| CARBON TETRACHLORIDE | 1.049 | 20 | | 8 U | 9 U | 8 U | 6 U |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 | OMRE |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND | LEACH POND |
| SAMPLE NUMBER | IN0706887 | IN0706887 | IN0706888 | IN511016A | IN511049A | IN511050A | IN809015A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 5 |
| CHLOROBENZENE | 1.025 | 0.4 | | 8 U | 9 U | 8 U | 6 U |
| CHLOROETHANE | 0.956 | 1.8 | | 15 U | 19 U | 15 U | 11 U |
| CHLOROFORM | 3.397 | 13 | | 8 U | 9 U | 8 U | 6 U |
| CHLOROMETHANE | 0.915 | 13 | | 15 U | 19 U | 15 U | 11 U |
| CIS-1,3-DICHLOROPROPENE | 0.882 | 6.6 | | 8 U | 9 U | 8 U | 6 U |
| DIBROMOCHLOROMETHANE | 1.044 | 23 | | 8 U | 9 U | 8 U | 6 U |
| ETHYLBENZENE | 0.427 | 2.2 | | 8 U | 9 U | 8 U | 6 U |
| METHYLENE CHLORIDE | 1.856 | 1.1 | | 11 B | 2 BJ | 8 B | 4 BJ |
| STYRENE | 0.82 | 15 | | 8 U | 9 U | 8 U | 6 U |
| TETRACHLOROETHENE | 0.538 | 3.5 | | 8 U | 9 U | 8 U | 6 U |
| TOLUENE | 0.742 | 0.2 | | 8 U | 9 U | 8 U | 6 U |
| TOLUENE-D8 | 1.104 | 1 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.524 | 14 | | 8 U | 9 U | 8 U | 6 U |
| TRICHLOROETHENE | 0.534 | 8.4 | | 8 U | 9 U | 8 U | 6 U |
| VINYL ACETATE | 0.394 | 18 | | 15 U | 19 U | 15 U | 11 U |
| VINYL CHLORIDE | 1.232 | 16 | | 15 U | 19 U | 15 U | 11 U |
| XYLENE (TOTAL) | 0.481 | 20 | | 8 U | 9 U | 8 U | 6 U |
| 1,1-DICHLOROETHANE | 2.948 | 14 | | 8 U | 9 U | 8 U | 6 U |
| 1,1-DICHLOROETHENE | 1.432 | 5.9 | | 8 U | 9 U | 8 U | 6 U |
| 1,1,1-TRICHLOROETHANE | 0.968 | 22 | | 8 U | 9 U | 8 U | 6 U |
| 1,1,2-TRICHLOROETHANE | 0.49 | 25 | | 8 U | 9 U | 8 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | 0.944 | 24 | | 8 U | 9 U | 8 U | 6 U |
| 1,2-DICHLOROETHANE | 2.064 | 11 | | 8 U | 9 U | 8 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | 1.67 | 19 | | | | | |
| 1,2-DICHLOROETHENE | 1.27 | 18 | | 8 U | 9 U | 8 U | 6 U |
| 1,2-DICHLOROPROPANE | 0.529 | 1.2 | | 8 U | 9 U | 8 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | 1.135 | 2.1 | | | | | |
| 2-BUTANONE | 0.028 | 38 | | 15 U | 19 U | 15 U | 11 U |
| 2-HEXANONE | 0.246 | 13 | | 15 U | 19 U | 15 U | 11 U |
| 4-METHYL-2-PENTANONE | 0.373 | 18 | | 15 U | 19 U | 15 U | 11 U |
| SURR 1(TOL) %RECOVERY | 99 | | | 106 | 101 | 104 | 98 |
| SURR 2(BFB) %RECOVERY | 98 | | | 86 | 91 | 85 | 98 |
| SURR 3(DCE) %RECOVERY | 81 | | | 94 | 92 | 86 | 91 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | TRA 1952 | TRA 1952 | TRA 1952 | OMRE |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | WASTE POND | WASTE POND | WASTE POND | LEACH POND |
| SAMPLE NUMBER | IN0706887 | IN0706887 | IN0706888 | IN511016A | IN511049A | IN511050A | IN809015A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 3 | 3 | 3 | 5 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 65000 | 55700 | 45600 | 61200 | 45800 |
| INTERNAL STD AREA(CBZ) | | | 141000 | 121000 | 99700 | 122000 | 94400 |
| INTERNAL STD AREA(DFB) | | | 166000 | 164000 | 126000 | 169000 | 116000 |
| DILUTION FACTOR | | | | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | 28 | 44 | 27 | 13 |
| ACTUAL(ALLOWED) HOLD TIME | | | | 7(14 D) | 7(14 D) | 7(14 D) | 8(14 D) |

| AREA | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | OMRE | MATRIX | MATRIX SPIKE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | LEACH POND | LEACH POND | LEACH POND | SPIKE | DUPLICATE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN809026A | IN809037A | IN809048A | IN819017A | IN819017A | IN819017A | IN819028A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 5 | 5 | 5 | 7 | 7 | 7 | 7 |
| ACETONE | 46 | 19 | 11 U | 19 | 20 | 10 U | 12 |
| BENZENE | 6 U | 6 U | 6 U | 49 | 51 | 5 U | 5 U |
| BROMODICHLOROMETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 6 U | 6 U | 6 U | 52 | 53 | 5 U | 5 U |
| CHLOROETHANE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A DRAFT DO NOT CITE

| AREA | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | OMRE | MATRIX | MATRIX SPIKE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | LEACH POND | LEACH POND | LEACH POND | SPIKE | DUPLICATE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN809026A | IN809037A | IN809048A | IN819017A | IN819017A | IN819017A | IN819028A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 5 | 5 | 5 | 7 | 7 | 7 | 7 |
| CHLOROMETHANE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 6 B | 3 BJ | 3 BJ | 29 B | 22 B | 29 B | 2 BJ |
| STYRENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 6 U | 6 U | 6 U | 54 | 54 | 3 J | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 6 U | 6 U | 6 U | 48 | 51 | 5 U | 5 U |
| VINYL ACETATE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 6 U | 6 U | 6 U | 44 | 44 | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 6 U | 6 U | 6 U | 5 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 12 U | 11 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 101 | 100 | 99 | 107 | 103 | 101 | 97 |
| SURR 2(BFB) %RECOVERY | 98 | 97 | 99 | 94 | 91 | 97 | 98 |
| SURR 3(DCE) %RECOVERY | 88 | 92 | 91 | 98 | 98 | 100 | 94 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | | | | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | OMRE | MATRIX | MATRIX SPIKE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | LEACH POND | LEACH POND | LEACH POND | SPIKE | DUPLICATE | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN809026A | IN809037A | IN809048A | IN819017A | IN819017A | IN819017A | IN819028A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 5 | 5 | 5 | 7 | 7 | 7 | 7 |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 42200 | 46500 | 41800 | 47800 | 39400 | 42500 | 64900 |
| INTERNAL STD AREA(CBZ) | 81700 | 98800 | 82200 | 93900 | 81600 | 86500 | 145000 |
| INTERNAL STD AREA(DFB) | 100000 | 120000 | 102000 | 116000 | 99800 | 107000 | 171000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 16 | 11 | 11 | 5 | 5 | 5 | 5 |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 8(14 D) | 8(14 D) | 9(14 D) | 9(14 D) | 9(14 D) | 9(14 D) |

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | METHOD | MS % | RPD | MSD % | | |
| TYPE OF LOCATION | BURN PITS | BLANK | RECOVERY | | RECOVERY | | |
| SAMPLE NUMBER | IN819039A | VBK07068 | IN819017A | IN819017A | IN819017A | | |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | | |
| UNITS | UG/KG | UG/KG | % | % | % | | |
| ENV PROBLEM NO | 7 | | 7 | 7 | 7 | | |
| ACETONE | 21 | 14 | | | | | |
| BENZENE | 5 U | 5 U | 98 | 4 | 102 | | |
| BROMODICHLOROMETHANE | 5 U | 5 U | | | | | |
| BROMOFORM | 5 U | 5 U | | | | | |
| BROMOMETHANE | 11 U | 10 U | | | | | |
| CARBON DISULFIDE | 5 U | 5 U | | | | | |
| CARBON TETRACHLORIDE | 5 U | 5 U | | | | | |
| CHLOROBENZENE | 5 U | 5 U | 104 | 2 | 106 | | |
| CHLOROETHANE | 11 U | 10 U | | | | | |
| CHLOROFORM | 5 U | 5 U | | | | | |
| CHLOROMETHANE | 11 U | 10 U | | | | | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | | | | | |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | | | | | |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA |
|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | METHOD | MS % | RPD | MSD % |
| TYPE OF LOCATION | BURN PITS | BLANK | RECOVERY | | RECOVERY |
| SAMPLE NUMBER | IN819039A | VBK07068 | IN819017A | IN819017A | IN819017A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | % | % | % |
| ENV PROBLEM NO | 7 | | 7 | 7 | 7 |
| ETHYLBENZENE | 5 U | 5 U | | | |
| METHYLENE CHLORIDE | 5 B | 2 J | | | |
| STYRENE | 5 U | 5 U | | | |
| TETRACHLOROETHENE | 5 U | 5 U | | | |
| TOLUENE | 5 U | 5 U | 102 | 0 | 102 |
| TOLUENE-D8 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | | | |
| TRICHLOROETHENE | 5 U | 5 U | 96 | 6 | 102 |
| VINYL ACETATE | 11 U | 10 U | | | |
| VINYL CHLORIDE | 11 U | 10 U | | | |
| XYLENE (TOTAL) | 5 U | 5 U | | | |
| 1,1-DICHLOROETHANE | 5 U | 5 U | | | |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 88 | 0 | 88 |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | | | |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | | | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | | | |
| 1,2-DICHLOROETHANE | 5 U | 5 U | | | |
| 1,2-DICHLOROETHANE-D4 | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | | | |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | | | |
| 1,4-BROMOFLUOROBENZENE | | | | | |
| 2-BUTANONE | 11 U | 10 U | | | |
| 2-HEXANONE | 11 U | 10 U | | | |
| 4-METHYL-2-PENTANONE | 11 U | 10 U | | | |
| SURR 1(TOL) %RECOVERY | 99 | 97 | | | |
| SURR 2(BFB) %RECOVERY | 96 | 101 | | | |
| SURR 3(DCE) %RECOVERY | 95 | 96 | | | |
| M/E 50 | | | | | |
| M/E 75 | | | | | |
| M/E 95 | | | | | |
| M/E 96 | | | | | |
| M/E 173-1 | | | | | |
| M/E 173-2 | | | | | |
| M/E 174 | | | | | |
| M/E 175-1 | | | | | |
| M/E 175-2 | | | | | |
| M/E 176-1 | | | | | |

TABLE D.6.10 INEL VOLATILE ORGANICS - SDG NUMBER: IN505052A

| AREA | | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | METHOD | MS % | RPD | MSD % | | |
| TYPE OF LOCATION | BURN PITS | BLANK | RECOVERY | | RECOVERY | | |
| SAMPLE NUMBER | IN819039A | VBK07068 | IN819017A | IN819017A | IN819017A | | |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | | |
| UNITS | UG/KG | UG/KG | % | % | % | | |
| ENV PROBLEM NO | 7 | | 7 | 7 | 7 | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 55200 | 62400 | | | | | |
| INTERNAL STD AREA(CBZ) | 124000 | 143000 | | | | | |
| INTERNAL STD AREA(DFB) | 149000 | 169000 | | | | | |
| DILUTION FACTOR | 1 | 1 | | | | | |
| PERCENT MOISTURE | 6 | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | 9(14 D) | | | | | | |

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0913885 | IN0913886 | IN0913886 | IN0927885 | IN0927887 | IN0927887 | IN0927888 |
| MATRIX | NR | SOIL | SOIL | NR | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.189 | 21.4 | | 0.176 | 6.9 | |
| BENZENE | | 0.688 | 3.7 | | 0.719 | 4.5 | |
| BROMODICHLOROMETHANE | | 1.007 | 4.6 | | 1.087 | 8 | |
| BROMOFORM | | 0.799 | 3.3 | | 0.835 | 4.5 | |
| BROMOMETHANE | | 1.292 | 11.4 | | 1.433 | 10.9 | |
| CARBON DISULFIDE | | 2.151 | 1.5 | | 2.259 | 5 | |
| CARBON TETRACHLORIDE | | 1.109 | 1.6 | | 1.203 | 8.4 | |
| CHLOROBENZENE | | 1.032 | 5 | | 1.007 | 2.4 | |
| CHLOROETHANE | | 0.434 | 8.1 | | 0.492 | 13.3 | |
| CHLOROFORM | | 3.316 | 5.1 | | 3.424 | 3.3 | |
| CHLOROMETHANE | | 0.503 | 9.4 | | 0.539 | 7 | |
| CIS-1,3-DICHLOROPROPENE | | 0.657 | 3.1 | | 0.654 | 0.5 | |
| DIBROMOCHLOROMETHANE | | 0.99 | 3.3 | | 1.049 | 6 | |
| ETHYLBENZENE | | 0.443 | 2.8 | | 0.439 | 0.9 | |
| METHYLENE CHLORIDE | | 0.982 | 4.8 | | 1.058 | 7.7 | |
| STYRENE | | 0.926 | 4.3 | | 0.871 | 5.9 | |
| TETRACHLOROETHENE | | 0.638 | 4.8 | | 0.627 | 1.7 | |
| TOLUENE | | 0.647 | 5 | | 0.635 | 1.9 | |
| TOLUENE-D8 | | 1.091 | 1.8 | | 1.091 | 0 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.419 | 9.4 | | 0.424 | 1.1 | |
| TRICHLOROETHENE | | 0.492 | 2.3 | | 0.504 | 2.5 | |
| VINYL ACETATE | | 0.376 | 10.3 | | 0.407 | 8.3 | |
| VINYL CHLORIDE | | 0.634 | 10.1 | | 0.685 | 8.1 | |
| XYLENE (TOTAL) | | 0.536 | 3.8 | | 0.528 | 1.5 | |
| 1,1-DICHLOROETHANE | | 1.97 | 4.8 | | 2.01 | 2 | |
| 1,1-DICHLOROETHENE | | 0.976 | 21.5 | | 1.024 | 5 | |
| 1,1,1-TRICHLOROETHANE | | 0.958 | 4.8 | | 0.995 | 3.9 | |
| 1,1,2-TRICHLOROETHANE | | 0.36 | 10 | | 0.363 | 0.7 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.703 | 12.8 | | 0.73 | 3.8 | |
| 1,2-DICHLOROETHANE | | 2.341 | 7.5 | | 2.422 | 3.4 | |
| 1,2-DICHLOROETHANE-D4 | | 2.096 | 1.9 | | 2.143 | 2.2 | |
| 1,2-DICHLOROETHENE | | 1.136 | 2.4 | | 1.126 | 0.9 | |
| 1,2-DICHLOROPROPANE | | 0.306 | 5.6 | | 0.317 | 3.5 | |
| 1,4-BROMOFLUOROBENZENE | | 1.084 | 2.6 | | 1.096 | 1.1 | |
| 2-BUTANONE | | 0.018 | 15.7 | | 0.013 | 24.7 | |
| 2-HEXANONE | | 0.194 | 18.1 | | 0.181 | 6.5 | |
| 4-METHYL-2-PENTANONE | | 0.279 | 16.2 | | 0.31 | 10.8 | |
| SURR 1(TOL) %RECOVERY | | | | | 100 | | |

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0913885 | IN0913886 | IN0913886 | IN0927885 | IN0927887 | IN0927887 | IN0927888 |
| MATRIX | NR | SOIL | SOIL | NR | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 102 | | |
| SURR 3(DCE) %RECOVERY | | | | | 102 | | |
| M/E 50 | 20 | | | 22 | | | |
| M/E 75 | 55 | | | 60 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 6.9 | | | 7.2 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 81 | | | 95 | | | |
| M/E 175-1 | 6.4 | | | 6.8 | | | |
| M/E 175-2 | 7.9 | | | 7.2 | | | |
| M/E 176-1 | 78 | | | 95 | | | |
| M/E 176-2 | 97 | | | 100 | | | |
| M/E 177-1 | 5.4 | | | 6.6 | | | |
| M/E 177-2 | 7 | | | 6.9 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 57900 |
| INTERNAL STD AREA(CBZ) | | | | | | | 171000 |
| INTERNAL STD AREA(DFB) | | | | | | | 208000 |
| DILUTION FACTOR | | | | | | | 0 |
| PERCENT MOISTURE | | | | | | | 0 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TRA 1952 | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | BLANK | WASTE POND | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | VBK09278 | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 |
| ACETONE | 10 U | 14 U | 14 U | | | 14 U | |
| BENZENE | 5 U | 7 U | 52 | 104 | 2 | 53 | 106 |
| BROMODICHLOROMETHANE | 5 U | 14 U | 7 U | | | 7 U | |

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A DRAFT DO NOT CITE

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK09278 | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 |
| BROMOFORM | 5 U | 7 U | 7 U | | | 7 U | |
| BROMOMETHANE | 10 U | 14 U | 14 U | | | 14 U | |
| CARBON DISULFIDE | 5 U | 7 U | 7 U | | | 7 U | |
| CARBON TETRACHLORIDE | 5 U | 7 U | 7 U | | | 7 U | |
| CHLOROBENZENE | 5 U | 7 U | 56 | 112 | 7 | 52 | 104 |
| CHLOROETHANE | 10 U | 14 U | 14 U | | | 14 U | |
| CHLOROFORM | 5 U | 7 U | 7 U | | | 7 U | |
| CHLOROMETHANE | 10 U | 14 U | 14 U | | | 14 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 7 U | 7 U | | | 7 U | |
| DIBROMOCHLOROMETHANE | 5 U | 7 U | 7 U | | | 7 U | |
| ETHYLBENZENE | 5 U | 7 U | 7 U | | | 7 U | |
| METHYLENE CHLORIDE | 5 U | 7 U | 7 U | | | 7 U | |
| STYRENE | 5 U | 7 U | 7 U | | | 7 U | |
| TETRACHLOROETHENE | 5 U | 14 U | 7 U | | | 7 U | |
| TOLUENE | 5 U | 7 | 62 | 110 | 8 | 58 | 102 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 7 U | 7 U | | | 7 U | |
| TRICHLOROETHENE | 5 U | 7 U | 50 | 100 | 0 | 50 | 100 |
| VINYL ACETATE | 10 U | 7 U | 14 U | | | 14 U | |
| VINYL CHLORIDE | 10 U | 14 U | 14 U | | | 14 U | |
| XYLENE (TOTAL) | 5 U | 7 U | 7 U | | | 7 U | |
| 1,1-DICHLOROETHANE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,1-DICHLOROETHENE | 5 U | 7 U | 0 | 108 | 8 | 0 | 100 |
| 1,1,1-TRICHLOROETHANE | 5 U | 14 U | 7 U | | | 7 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,2-DICHLOROETHANE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,2-DICHLOROPROPANE | 5 U | 7 U | 7 U | | | 7 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 7 U | 14 U | | | 14 U | |
| 2-HEXANONE | 10 U | 14 U | 14 U | | | 14 U | |
| 4-METHYL-2-PENTANONE | 10 U | 7 U | 14 U | | | 14 U | |
| SURR 1(TOL) %RECOVERY | 102 | 106 | 108 | | | 106 | |
| SURR 2(BFB) %RECOVERY | 104 | 106 | 106 | | | 104 | |
| SURR 3(DCE) %RECOVERY | 106 | 106 | 110 | | | 106 | |

M/E 50

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A

DRAFT DO NOT CITE

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK09278 | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A | IN506020A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | 3 | 3 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 47900 | 44000 | 36800 | | | 38200 | |
| INTERNAL STD AREA(CBZ) | 149000 | 135000 | 118000 | | | 123000 | |
| INTERNAL STD AREA(DFB) | 182000 | 167000 | 149000 | | | 149000 | |
| DILUTION FACTOR | 1 | 1 | 1 | | | 1 | |
| PERCENT MOISTURE | 0 | 26 | 26 | | | 26 | |
| ACTUAL(ALLOWED) HOLD TIME | | 5(14 D) | 5(14 D) | | | 5(14 D) | |

| AREA | |
|---|---|
| LOCATION | TRA 1952 |
| TYPE OF LOCATION | WASTE POND |
| SAMPLE NUMBER | IN506031A |
| MATRIX | SOIL |
| UNITS | UG/KG |
| ENV PROBLEM NO | 3 |
| ACETONE | 13 U |
| BENZENE | 7 U |
| BROMODICHLOROMETHANE | 7 U |
| BROMOFORM | 7 U |
| BROMOMETHANE | 13 U |
| CARBON DISULFIDE | 7 U |
| CARBON TETRACHLORIDE | 7 U |

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A DRAFT DO NOT CITE

AREA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | | | | | | |
| TYPE OF LOCATION | WASTE POND | | | | | | |
| SAMPLE NUMBER | IN506031A | | | | | | |
| MATRIX | SOIL | | | | | | |
| UNITS | UG/KG | | | | | | |
| ENV PROBLEM NO | 3 | | | | | | |
| CHLOROBENZENE | 7 U | | | | | | |
| CHLOROETHANE | 13 U | | | | | | |
| CHLOROFORM | 7 U | | | | | | |
| CHLOROMETHANE | 13 U | | | | | | |
| CIS-1,3-DICHLOROPROPENE | 7 U | | | | | | |
| DIBROMOCHLOROMETHANE | 7 U | | | | | | |
| ETHYLBENZENE | 7 U | | | | | | |
| METHYLENE CHLORIDE | 7 U | | | | | | |
| STYRENE | 7 U | | | | | | |
| TETRACHLOROETHENE | 7 U | | | | | | |
| TOLUENE | 7 U | | | | | | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 7 U | | | | | | |
| TRICHLOROETHENE | 7 U | | | | | | |
| VINYL ACETATE | 13 U | | | | | | |
| VINYL CHLORIDE | 13 U | | | | | | |
| XYLENE (TOTAL) | 7 U | | | | | | |
| 1,1-DICHLOROETHANE | 7 U | | | | | | |
| 1,1-DICHLOROETHENE | 7 U | | | | | | |
| 1,1,1-TRICHLOROETHANE | 7 U | | | | | | |
| 1,1,2-TRICHLOROETHANE | 7 U | | | | | | |
| 1,1,2,2-TETRACHLOROETHANE | 7 U | | | | | | |
| 1,2-DICHLOROETHANE | 7 U | | | | | | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 7 U | | | | | | |
| 1,2-DICHLOROPROPANE | 7 U | | | | | | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 13 U | | | | | | |
| 2-HEXANONE | 13 U | | | | | | |
| 4-METHYL-2-PENTANONE | 13 U | | | | | | |
| SURR 1(TOL) %RECOVERY | 106 | | | | | | |
| SURR 2(BFB) %RECOVERY | 106 | | | | | | |
| SURR 3(DCE) %RECOVERY | 114 | | | | | | |
| M/E 50 | | | | | | | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |

TABLE D.6.11 INEL VOLATILE ORGANICS - SDG NUMBER: IN506020A

| | |
|---|---|
| AREA | |
| LOCATION | TRA 1952 |
| TYPE OF LOCATION | WASTE POND |
| SAMPLE NUMBER | IN506031A |
| MATRIX | SOIL |
| UNITS | UG/KG |
| ENV PROBLEM NO | 3 |
| M/E 173-1 | |
| M/E 173-2 | |
| M/E 174 | |
| M/E 175-1 | |
| M/E 175-2 | |
| M/E 176-1 | |
| M/E 176-2 | |
| M/E 177-1 | |
| M/E 177-2 | |
| INTERNAL STD AREA(BCM) | 32700 |
| INTERNAL STD AREA(CBZ) | 109000 |
| INTERNAL STD AREA(DFB) | 130000 |
| DILUTION FACTOR | 1 |
| PERCENT MOISTURE | 25 |
| ACTUAL(ALLOWED) HOLD TIME | 4(14 D) |

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | TUNED | CONTINUING | CONTINUING |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CALIBRATION | CAL %D |
| SAMPLE NUMBER | IN0912885 | IN0912886 | IN0912886 | IN0914885 | IN0930885 | IN0930887 | IN0930887 |
| MATRIX | NR | WATER | WATER | NR | NR | WATER | WATER |
| UNITS | % | RRF | % | % | % | RRF | % |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.164 | 12.7 | | | 0.165 | 0.5 |
| BENZENE | | 0.674 | 3.3 | | | 0.699 | 3.6 |
| BROMODICHLOROMETHANE | | 0.99 | 5.9 | | | 1.074 | 8.5 |
| BROMOFORM | | 0.752 | 8.1 | | | 0.753 | 0.1 |
| BROMOMETHANE | | 1.342 | 9.5 | | | 1.362 | 1.5 |
| CARBON DISULFIDE | | 2.234 | 5.9 | | | 2.13 | 4.7 |
| CARBON TETRACHLORIDE | | 1.082 | 6.2 | | | 1.204 | 11.3 |
| CHLOROBENZENE | | 1.023 | 4.9 | | | 1.004 | 1.8 |
| CHLOROETHANE | | 0.463 | 11.7 | | | 0.481 | 4.1 |
| CHLOROFORM | | 3.401 | 8.7 | | | 4.134 | 21.6 |
| CHLOROMETHANE | | 0.543 | 10.7 | | | 0.57 | 5 |
| CIS-1,3-DICHLOROPROPENE | | 0.653 | 3.1 | | | 0.654 | 0.1 |
| DIBROMOCHLOROMETHANE | | 0.957 | 3.3 | | | 0.976 | 2 |
| ETHYLBENZENE | | 0.446 | 4 | | | 0.438 | 1.8 |
| METHYLENE CHLORIDE | | 1.03 | 6.9 | | | 1.046 | 1.6 |
| STYRENE | | 0.923 | 3.3 | | | 0.925 | 0.1 |
| TETRACHLOROETHENE | | 0.609 | 5.7 | | | 0.624 | 2.5 |
| TOLUENE | | 0.648 | 4.9 | | | 0.65 | 0.3 |
| TOLUENE-D8 | | 1.098 | 2.8 | | | 1.083 | 1.4 |
| TRANS-1,3-DICHLOROPROPENE | | 0.408 | 6.8 | | | 0.396 | 2.7 |
| TRICHLOROETHENE | | 0.498 | 3.2 | | | 0.487 | 2.2 |
| VINYL ACETATE | | 0.269 | 31.1 | | | 0.345 | 28.2 |
| VINYL CHLORIDE | | 0.68 | 11.5 | | | 0.641 | 5.7 |
| XYLENE (TOTAL) | | 0.537 | 2.4 | | | 0.535 | 0.3 |
| 1,1-DICHLOROETHANE | | 2.046 | 8.5 | | | 2.271 | 11 |
| 1,1-DICHLOROETHENE | | 0.912 | 18.8 | | | 1.077 | 18.1 |
| 1,1,1-TRICHLOROETHANE | | 0.916 | 8 | | | 0.996 | 8.8 |
| 1,1,2-TRICHLOROETHANE | | 0.34 | 7.2 | | | 0.323 | 5 |
| 1,1,2,2-TETRACHLOROETHANE | | 0.616 | 6 | | | 0.599 | 2.7 |
| 1,2-DICHLOROETHANE | | 2.345 | 9.5 | | | 2.92 | 24.5 |
| 1,2-DICHLOROETHANE-D4 | | 2.136 | 6.7 | | | 2.501 | 17.1 |
| 1,2-DICHLOROETHENE | | 1.187 | 6.6 | | | 1.406 | 18.4 |
| 1,2-DICHLOROPROPANE | | 0.303 | 6.5 | | | 0.308 | 1.7 |
| 1,4-BROMOFLUOROBENZENE | | 1.039 | 3.9 | | | 1.063 | 2.3 |
| 2-BUTANONE | | 0.016 | 38.6 | | | 0.013 | 20.3 |
| 2-HEXANONE | | 0.197 | 16.2 | | | 0.178 | 9.3 |
| 4-METHYL-2-PENTANONE | | 0.259 | 12.5 | | | 0.238 | 8.2 |
| SURR 1(TOL) %RECOVERY | | | | | | | |

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D |
| TYPE OF LOCATION | IN0912885 | IN0912886 | IN0912886 | IN0914885 | IN0930885 | IN0930887 | IN0930887 |
| SAMPLE NUMBER | NR | WATER | WATER | NR | NR | WATER | WATER |
| MATRIX | % | RRF | % | % | % | RRF | % |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | | |
| SURR 3(DCE) %RECOVERY | | | | | | | |
| M/E 50 | 19 | | | 19 | 19 | | |
| M/E 75 | 53 | | | 57 | 58 | | |
| M/E 95 | 100 | | | 100 | 100 | | |
| M/E 96 | 6.6 | | | 6.3 | 7.5 | | |
| M/E 173-1 | 0 | | | 0 | 0 | | |
| M/E 173-2 | 0 | | | 0 | 0 | | |
| M/E 174 | 81 | | | 88 | 95 | | |
| M/E 175-1 | 5.9 | | | 7 | 8.3 | | |
| M/E 175-2 | 7.3 | | | 8 | 8.7 | | |
| M/E 176-1 | 79 | | | 88 | 92 | | |
| M/E 176-2 | 98 | | | 101 | 97 | | |
| M/E 177-1 | 5.4 | | | 6 | 7.8 | | |
| M/E 177-2 | 6.8 | | | 6.8 | 8.5 | | |
| INTERNAL STD AREA(BCM) | | | | | | | |
| INTERNAL STD AREA(CBZ) | | | | | | | |
| INTERNAL STD AREA(DFB) | | | | | | | |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE |
| TYPE OF LOCATION | IN0930888 | VBK09268 | IN506053A | IN506053A | IN506053A | IN506053A | IN506053A |
| SAMPLE NUMBER | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | AREA | UG/L | UG/L | UG/L | % | % | UG/L |
| UNITS | | | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 10 U | 10 U | 10 U | | | 10 U |
| BENZENE | | 5 U | 5 U | 52 | 104 | 2 | 53 |
| BROMODICHLOROMETHANE | | 5 U | 5 U | 5 U | | | 5 U |

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A DRAFT DO NOT CITE

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | METHOD | TRA 1952 | MATRIX | MS % | RPD | MATRIX SPIKE |
| TYPE OF LOCATION | SHIFT | BLANK | WASTE POND | SPIKE | RECOVERY | | DUPLICATE |
| SAMPLE NUMBER | IN0930888 | VBK09268 | IN506053A | IN506053A | IN506053A | IN506053A | IN506053A |
| MATRIX | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | AREA | UG/L | UG/L | UG/L | % | % | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 |
| BROMOFORM | | 5 U | 2 J | 2 J | | | 2 J |
| BROMOMETHANE | | 10 U | 10 U | 10 U | | | 10 U |
| CARBON DISULFIDE | | 5 U | 5 U | 5 U | | | 5 U |
| CARBON TETRACHLORIDE | | 5 U | 5 U | 5 U | | | 5 U |
| CHLOROBENZENE | | 5 U | 5 U | 51 | 102 | 2 | 50 |
| CHLOROETHANE | | 10 U | 10 U | 10 U | | | 10 U |
| CHLOROFORM | | 5 U | 5 U | 5 U | | | 5 U |
| CHLOROMETHANE | | 10 U | 10 U | 10 U | | | 10 U |
| CIS-1,3-DICHLOROPROPENE | | 5 U | 5 U | 5 U | | | 5 U |
| DIBROMOCHLOROMETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| ETHYLBENZENE | | 5 U | 5 U | 5 U | | | 5 U |
| METHYLENE CHLORIDE | | 5 U | 5 U | 5 U | | | 5 U |
| STYRENE | | 5 U | 5 U | 5 U | | | 5 U |
| TETRACHLOROETHENE | | 5 U | 5 U | 5 U | | | 5 U |
| TOLUENE | | 5 U | 5 U | 50 | 100 | 4 | 52 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 5 U | 5 U | 5 U | | | 5 U |
| TRICHLOROETHENE | | 5 U | 5 U | 48 | 96 | 2 | 49 |
| VINYL ACETATE | | 10 U | 10 U | 10 U | | | 10 U |
| VINYL CHLORIDE | | 10 U | 10 U | 10 U | | | 10 U |
| XYLENE (TOTAL) | | 5 U | 5 U | 5 U | | | 5 U |
| 1,1-DICHLOROETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,1-DICHLOROETHENE | | 5 U | 5 U | 49 | 98 | 11 | 44 |
| 1,1,1-TRICHLOROETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,1,2-TRICHLOROETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,2-DICHLOROETHANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,2-DICHLOROPROPANE | | 5 U | 5 U | 5 U | | | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | | 10 U | 10 U | 10 U | | | 10 U |
| 2-HEXANONE | | 10 U | 10 U | 10 U | | | 10 U |
| 4-METHYL-2-PENTANONE | | 10 U | 10 U | 10 U | | | 10 U |
| SURR 1(TOL) %RECOVERY | | 104 | 104 | 106 | | | 104 |
| SURR 2(BFB) %RECOVERY | | 102 | 104 | 112 | | | 110 |
| SURR 3(DCE) %RECOVERY | | 100 | 100 | 100 | | | 96 |

M/E 50

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A

DRAFT DO NOT CITE

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | METHOD | TRA 1952 | MATRIX | MS % | RPD | MATRIX SPIKE |
| TYPE OF LOCATION | SHIFT | BLANK | WASTE POND | SPIKE | RECOVERY | | DUPLICATE |
| SAMPLE NUMBER | IN0930888 | VBK09268 | IN506053A | IN506053A | IN506053A | IN506053A | IN506053A |
| MATRIX | SOIL | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | AREA | UG/L | UG/L | UG/L | % | % | UG/L |
| ENV PROBLEM NO | | | 3 | 3 | 3 | 3 | 3 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 43500 | 41300 | 39600 | 35700 | | | 31500 |
| INTERNAL STD AREA(CBZ) | 162000 | 157000 | 147000 | 148000 | | | 95200 |
| INTERNAL STD AREA(DFB) | 196000 | 187000 | 181000 | 148000 | | | 113000 |
| DILUTION FACTOR | | 1 | 1 | 1 | | | 1 |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | 7(14 D) | 7(14 D) | | | 7(14 D) |

| AREA | QA |
|---|---|
| LOCATION | MSD % |
| TYPE OF LOCATION | RECOVERY |
| SAMPLE NUMBER | IN506053A |
| MATRIX | WATER |
| UNITS | % |
| ENV PROBLEM NO | 3 |
| ACETONE | |
| BENZENE | 106 |
| BROMODICHLOROMETHANE | |
| BROMOFORM | |
| BROMOMETHANE | |
| CARBON DISULFIDE | |
| CARBON TETRACHLORIDE | |

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A

DRAFT DO NOT CITE

| AREA | QA |
|---|---|
| LOCATION | MSD % |
| TYPE OF LOCATION | RECOVERY |
| SAMPLE NUMBER | IN506053A |
| MATRIX | WATER |
| UNITS | % |
| ENV PROBLEM NO | 3 |
| CHLOROBENZENE | 100 |
| CHLOROETHANE | |
| CHLOROFORM | |
| CHLOROMETHANE | |
| CIS-1,3-DICHLOROPROPENE | |
| DIBROMOCHLOROMETHANE | |
| ETHYLBENZENE | |
| METHYLENE CHLORIDE | |
| STYRENE | |
| TETRACHLOROETHENE | |
| TOLUENE | 104 |
| TOLUENE-D8 | |
| TRANS-1,3-DICHLOROPROPENE | |
| TRICHLOROETHENE | 98 |
| VINYL ACETATE | |
| VINYL CHLORIDE | |
| XYLENE (TOTAL) | |
| 1,1-DICHLOROETHANE | |
| 1,1-DICHLOROETHENE | 88 |
| 1,1,1-TRICHLOROETHANE | |
| 1,1,2-TRICHLOROETHANE | |
| 1,1,2,2-TETRACHLOROETHANE | |
| 1,2-DICHLOROETHANE | |
| 1,2-DICHLOROETHANE-D4 | |
| 1,2-DICHLOROETHENE | |
| 1,2-DICHLOROPROPANE | |
| 1,4-BROMOFLUOROBENZENE | |
| 2-BUTANONE | |
| 2-HEXANONE | |
| 4-METHYL-2-PENTANONE | |
| SURR 1(TOL) %RECOVERY | |
| SURR 2(BFB) %RECOVERY | |
| SURR 3(DCE) %RECOVERY | |
| M/E 50 | |
| M/E 75 | |
| M/E 95 | |
| M/E 96 | |

TABLE D.6.12 INEL VOLATILE ORGANICS - SDG NUMBER: IN506053A DRAFT DO NOT CITE

| AREA | QA |
|---|---|
| LOCATION | MSD % |
| TYPE OF LOCATION | RECOVERY |
| SAMPLE NUMBER | IN506053A |
| MATRIX | WATER |
| UNITS | % |
| ENV PROBLEM NO | 3 |
| M/E 173-1 | |
| M/E 173-2 | |
| M/E 174 | |
| M/E 175-1 | |
| M/E 175-2 | |
| M/E 176-1 | |
| M/E 176-2 | |
| M/E 177-1 | |
| M/E 177-2 | |
| INTERNAL STD AREA(BCM) | |
| INTERNAL STD AREA(CBZ) | |
| INTERNAL STD AREA(DFB) | |
| DILUTION FACTOR | |
| PERCENT MOISTURE | |
| ACTUAL(ALLOWED) HOLD TIME | |

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0630885 | IN0630886 | IN0630886 | IN0707885 | IN0707887 | IN0707887 | IN0707888 |
| MATRIX | WATER | SOIL | SOIL | SOIL | NA | NA | soil |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.352 | 23 | | 1.838 | 0.19 | |
| BENZENE | | 1.037 | 4.2 | | 1.111 | 7.1 | |
| BROMODICHLOROMETHANE | | 1.171 | 8.2 | | 1.414 | 21 | |
| BROMOFORM | | 0.577 | 3.7 | | 0.735 | 27 | |
| BROMOMETHANE | | 1.949 | 8.8 | | 1.54 | 21 | |
| CARBON DISULFIDE | | 4.961 | 6.6 | | 3.78 | 24 | |
| CARBON TETRACHLORIDE | | 0.875 | 7.4 | | 1.08 | 24 | |
| CHLOROBENZENE | | 1.021 | 1.4 | | 1.025 | 0.39 | |
| CHLOROETHANE | | 0.939 | 13 | | 0.902 | 4 | |
| CHLOROFORM | | 3.918 | 5.9 | | 3.631 | 7.3 | |
| CHLOROMETHANE | | 1.053 | 9.1 | | 0.695 | 34 | |
| CIS-1,3-DICHLOROPROPENE | | 0.824 | 11 | | 0.875 | 6.2 | |
| DIBROMOCHLOROMETHANE | | 0.85 | 4.5 | | 1.125 | 32 | |
| ETHYLBENZENE | | 0.437 | 2.8 | | 0.434 | 0.6 | |
| METHYLENE CHLORIDE | | 1.835 | 8.4 | | 1.838 | 0.19 | |
| STYRENE | | 0.963 | 9.7 | | 0.786 | 18 | |
| TETRACHLOROETHENE | | 0.52 | 5.7 | | 0.552 | 6.1 | |
| TOLUENE | | 0.74 | 3.6 | | 0.706 | 4.6 | |
| TOLUENE-D8 | | 1.115 | 1.6 | | 1.081 | 3 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.453 | 8.6 | | 0.515 | 14 | |
| TRICHLOROETHENE | | 0.492 | 2.8 | | 0.554 | 12 | |
| VINYL ACETATE | | 0.355 | 38 | | 0.316 | 5.7 | |
| VINYL CHLORIDE | | 1.47 | 15 | | 1.154 | 21 | |
| XYLENE (TOTAL) | | 0.602 | 13 | | 0.448 | 25 | |
| 1,1-DICHLOROETHANE | | 3.451 | 6.5 | | 3.028 | 12 | |
| 1,1-DICHLOROETHENE | | 1.521 | 4.2 | | 1.507 | 0.9 | |
| 1,1,1-TRICHLOROETHANE | | 0.796 | 9.1 | | 0.986 | 24 | |
| 1,1,2-TRICHLOROETHANE | | 0.392 | 3.2 | | 0.485 | 24 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.764 | 5.7 | | 0.907 | 19 | |
| 1,2-DICHLOROETHANE | | 2.325 | 8.9 | | 2.143 | 7.8 | |
| 1,2-DICHLOROETHANE-D4 | | 2.053 | 15 | | 1.744 | 15 | |
| 1,2-DICHLOROETHENE | | 1.55 | 3.4 | | 1.395 | 10 | |
| 1,2-DICHLOROPROPANE | | 0.536 | 7.1 | | 0.515 | 3.9 | |
| 1,4-BROMOFLUOROBENZENE | | 1.16 | 4.4 | | 1.086 | 6.4 | |
| 2-BUTANONE | | 0.02 | 8.5 | | 0.029 | 44 | |
| 2-HEXANONE | | 0.217 | 8.8 | | 0.187 | 14 | |
| 4-METHYL-2-PENTANONE | | 0.315 | 9.7 | | 0.321 | 1.9 | |
| SURR 1(TOL) %RECOVERY | | | | | 96 | | |

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN0630885 | IN0630886 | IN0630886 | IN0707885 | IN0707887 | IN0707887 | IN0707888 |
| SAMPLE NUMBER | WATER | SOIL | SOIL | SOIL | NA | NA | soil |
| MATRIX | % | RRF | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 94 | | |
| SURR 3(DCE) %RECOVERY | | | | | 84 | | |
| M/E 50 | 20 | | | 17 | | | |
| M/E 75 | 53 | | | 45 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 8 | | | 8.9 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 70 | | | 57 | | | |
| M/E 175-1 | 5.4 | | | 5 | | | |
| M/E 175-2 | 7.8 | | | 8.7 | | | |
| M/E 176-1 | 68 | | | 54 | | | |
| M/E 176-2 | 97 | | | 96 | | | |
| M/E 177-1 | 5.3 | | | 4.6 | | | |
| M/E 177-2 | 7.8 | | | 8.5 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 58400 |
| INTERNAL STD AREA(CBZ) | | | | | | | 134000 |
| INTERNAL STD AREA(DFB) | | | | | | | 156000 |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TAN/TSF LEACH FLD | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | VBK07078 | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| UNITS | | 8 | 8 | 8 | 8 | 8 | 8 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 18 | 9 J | 9 J | | | 12 U | |
| BENZENE | 5 U | 6 U | 45 | 104 | 7 | 42 | 84 |
| BROMODICHLOROMETHANE | 5 U | 6 U | 6 U | | | 6 U | |

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A DRAFT DO NOT CITE

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TAN/TSF LEACH FLD | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK07078 | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | 8 | 8 |
| BROMOFORM | 5 U | 6 U | 6 U | | | 6 U | |
| BROMOMETHANE | 10 U | 12 U | 12 U | | | 12 U | |
| CARBON DISULFIDE | 5 U | 6 U | 6 U | | | 6 U | |
| CARBON TETRACHLORIDE | 5 U | 6 U | 6 U | | | 6 U | |
| CHLOROBENZENE | 5 U | 6 U | 51 | 102 | 6 | 48 | 96 |
| CHLOROETHANE | 10 U | 12 U | 12 U | | | 12 U | |
| CHLOROFORM | 5 U | 6 U | 6 U | | | 6 U | |
| CHLOROMETHANE | 10 U | 12 U | 12 U | | | 12 U | |
| CIS-1,3-DICHLOROPROPENE | 5 U | 6 U | 6 U | | | 6 U | |
| DIBROMOCHLOROMETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| ETHYLBENZENE | 5 U | 6 U | 6 U | | | 6 U | |
| METHYLENE CHLORIDE | 5 U | 2 J | 2 J | | | 6 U | |
| STYRENE | 5 U | 6 U | 6 U | | | 6 U | |
| TETRACHLOROETHENE | 5 U | 6 U | 6 U | | | 6 U | |
| TOLUENE | 5 U | 4 J | 50 | 92 | 9 | 46 | 84 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 6 U | 6 U | | | 6 U | |
| TRICHLOROETHENE | 5 U | 6 U | 50 | 100 | 4 | 48 | 96 |
| VINYL ACETATE | 10 U | 12 U | 12 U | | | 12 U | |
| VINYL CHLORIDE | 10 U | 12 U | 12 U | | | 12 U | |
| XYLENE (TOTAL) | 5 U | 6 U | 6 U | | | 6 U | |
| 1,1-DICHLOROETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,1-DICHLOROETHENE | 5 U | 6 U | 49 | 98 | 15 | 42 U | 84 |
| 1,1,1-TRICHLOROETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,1,2-TRICHLOROETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROETHANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROPROPANE | 5 U | 6 U | 6 U | | | 6 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 12 U | 12 U | | | 12 U | |
| 2-HEXANONE | 10 U | 12 U | 12 U | | | 12 U | |
| 4-METHYL-2-PENTANONE | 10 U | 12 U | 12 U | | | 12 U | |
| SURR 1(TOL) %RECOVERY | 94 | 94 | 98 | | | 96 | |
| SURR 2(BFB) %RECOVERY | 102 | 96 | 94 | | | 96 | |
| SURR 3(DCE) %RECOVERY | 98 | 92 | 92 | | | 90 | |

M/E 50

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A DRAFT DO NOT CITE

| AREA | QA | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TAN/TSF | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | BLANK | LEACH FLD | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | VBK07078 | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A | IN820010A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | | 8 | 8 | 8 | 8 | 8 | 8 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 39300 | 51500 | 54300 | | | 42700 | |
| INTERNAL STD AREA(CBZ) | 95000 | 117000 | 120000 | | | 95300 | |
| INTERNAL STD AREA(DFB) | 110000 | 136000 | 144000 | | | 110000 | |
| DILUTION FACTOR | 1 | 1 | 1 | | | 1 | |
| PERCENT MOISTURE | 0 | 14 | 14 | | | 14 | |
| ACTUAL(ALLOWED) HOLD TIME | | 8(14 D) | 8(14 D) | | | 8(14 D) | |

| AREA | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TRA 1952 | TRA 1952 |
| TYPE OF LOCATION | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN820021A | IN820032A | IN820043A | IN820054A | IN820065A | IN511050A | IN517012A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 8 | 8 | 8 | 8 | 8 | 3 | 3 |
| ACETONE | 22 | 24 | 13 U | 7 J | 5 J | 18 | 13 U |
| BENZENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| BROMODICHLOROMETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| BROMOFORM | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| BROMOMETHANE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| CARBON DISULFIDE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| CARBON TETRACHLORIDE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A DRAFT DO NOT CITE

AREA

| LOCATION | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN820021A | IN820032A | IN820043A | IN820054A | IN820065A | IN511050A | IN517012A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 8 | 8 | 8 | 8 | 8 | 3 | 3 |
| CHLOROBENZENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| CHLOROETHANE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| CHLOROFORM | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| CHLOROMETHANE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| CIS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| DIBROMOCHLOROMETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| ETHYLBENZENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| METHYLENE CHLORIDE | 5 J | 2 J | 5 J | 4 J | 3 J | 8 U | 6 U |
| STYRENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| TETRACHLOROETHENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| TOLUENE | 3 J | 8 | 5 J | 6 | 4 J | 8 U | 6 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| TRICHLOROETHENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| VINYL ACETATE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| VINYL CHLORIDE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| XYLENE (TOTAL) | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,1-DICHLOROETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,1-DICHLOROETHENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,1,1-TRICHLOROETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,1,2-TRICHLOROETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,2-DICHLOROETHANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,2-DICHLOROPROPANE | 6 U | 6 U | 6 U | 6 U | 6 U | 8 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| 2-HEXANONE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| 4-METHYL-2-PENTANONE | 12 U | 12 U | 13 U | 12 U | 13 U | 16 U | 13 U |
| SURR 1(TOL) %RECOVERY | | 98 | 98 | 96 | 98 | 96 | 96 |
| SURR 2(BFB) %RECOVERY | | 94 | 94 | 96 | 94 | 88 | 94 |
| SURR 3(DCE) %RECOVERY | | 88 | 96 | 84 | 84 | 80 | 90 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A

AREA

| LOCATION | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | IN820021A | IN820032A | IN820043A | IN820054A | IN820065A | IN511050A | IN517012A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | 8 | 8 | 8 | 8 | 8 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 49900 | 42300 | 53900 | 42400 | 55300 | 63900 | 41100 |
| INTERNAL STD AREA(C8Z) | 111000 | 87300 | 117000 | 95300 | 121000 | 126000 | 88000 |
| INTERNAL STD AREA(DFB) | 135000 | 109000 | 142000 | 111000 | 148000 | 157000 | 110000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 14 | 14 | 18 | 16 | 17 | 35 | 17 |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | 7(14 D) | 8(14 D) | 7(14 D) | 7(14 D) | 8(14 D) | 13(14 D) |

AREA

| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND |
|---|---|---|---|---|
| TYPE OF LOCATION | IN517023A | IN517045A | IN517056A | IN809059A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | 3 | 3 | 3 | 5 |
| ENV PROBLEM NO | | | | |
| ACETONE | 12 U | 13 U | 12 U | 12 U |
| BENZENE | 6 U | 6 U | 6 U | 6 U |
| BROMODICHLOROMETHANE | 6 U | 6 U | 6 U | 6 U |
| BROMOFORM | 6 U | 6 U | 6 U | 6 U |
| BROMOMETHANE | 12 U | 13 U | 12 U | 12 U |
| CARBON DISULFIDE | 6 U | 6 U | 6 U | 6 U |
| CARBON TETRACHLORIDE | 6 U | 6 U | 6 U | 6 U |
| CHLOROBENZENE | 6 U | 6 U | 6 U | 6 U |
| CHLOROETHANE | 12 U | 13 U | 12 U | 12 U |
| CHLOROFORM | 6 U | 6 U | 6 U | 6 U |

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | OMRE |
|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | LEACH POND |
| SAMPLE NUMBER | IN517023A | IN517045A | IN517056A | IN809059A |
| MATRIX | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 5 |
| CHLOROMETHANE | 12 U | 13 U | 12 U | 12 U |
| CIS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 6 U |
| DIBROMOCHLOROMETHANE | 6 U | 6 U | 6 U | 6 U |
| ETHYLBENZENE | 6 U | 6 U | 6 U | 6 U |
| METHYLENE CHLORIDE | 2 J | 6 U | 6 U | 6 U |
| STYRENE | 6 U | 6 U | 6 U | 6 U |
| TETRACHLOROETHENE | 6 U | 6 U | 6 U | 6 U |
| TOLUENE | 6 U | 6 U | 6 U | 6 U |
| TOLUENE-D8 | | | | |
| TRANS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | 6 U |
| TRICHLOROETHENE | 6 U | 6 U | 6 U | 6 U |
| VINYL ACETATE | 12 U | 13 U | 12 U | 12 U |
| VINYL CHLORIDE | 12 U | 13 U | 12 U | 12 U |
| XYLENE (TOTAL) | 6 U | 6 U | 6 U | 6 U |
| 1,1-DICHLOROETHANE | 6 U | 6 U | 6 U | 6 U |
| 1,1-DICHLOROETHENE | 6 U | 6 U | 6 U | 6 U |
| 1,1,1-TRICHLOROETHANE | 6 U | 6 U | 6 U | 6 U |
| 1,1,2-TRICHLOROETHANE | 6 U | 6 U | 6 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | 6 U | 6 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE | 6 U | 6 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | | | | |
| 1,2-DICHLOROETHENE | 6 U | 6 U | 6 U | 6 U |
| 1,2-DICHLOROPROPANE | 6 U | 6 U | 6 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | | | | |
| 2-BUTANONE | 12 U | 13 U | 12 U | 12 U |
| 2-HEXANONE | 12 U | 13 U | 12 U | 12 U |
| 4-METHYL-2-PENTANONE | 12 U | 13 U | 12 U | 12 U |
| SURR 1(TOL) %RECOVERY | 96 | 98 | | 96 |
| SURR 2(BFB) %RECOVERY | 92 | 90 | | 92 |
| SURR 3(DCE) %RECOVERY | 88 | 88 | | 86 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.13 INEL VOLATILE ORGANICS - SDG NUMBER: IN511050A

AREA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | OMRE LEACH POND | | | |
| TYPE OF LOCATION | IN517023A | IN517045A | IN517056A | IN809059A | | | |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | | | |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | | | |
| UNITS | 3 | 3 | 3 | 5 | | | |
| ENV PROBLEM NO | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 54700 | 61000 | 46100 | 47100 | | | |
| INTERNAL STD AREA(CBZ) | 120000 | 133000 | 105000 | 105000 | | | |
| INTERNAL STD AREA(DFB) | 148000 | 170000 | 130000 | 128000 | | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | | | |
| PERCENT MOISTURE | 14 | 17 | 15 | 11 | | | |
| ACTUAL(ALLOWED) HOLD TIME | 13(14 D) | 13(14 D) | 13(14 D) | 9(14 D) | | | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | INITIAL CAL | INITIAL CAL | METHOD | TUNED |
| TYPE OF LOCATION | CALIBRATION | RRF | RRF | % RSD | % RSD | BLANK | CALIBRATION |
| SAMPLE NUMBER | IN0617885 | IN0617886 | IN0617886 | IN0617886 | IN0617886 | VBK00617 | IN0630885 |
| MATRIX | WATER | WATER | SOIL | WATER | SOIL | SOIL | WATER |
| UNITS | % | RRF | RRF | % | % | UG/KG | % |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.327 | 0.55 | 10.1 | 35.1 | 10 U | |
| BENZENE | | 0.738 | 0.787 | 7.8 | 15 | 5 U | |
| BROMODICHLOROMETHANE | | 0.692 | 0.726 | 10 | 16 | 5 U | |
| BROMOFORM | | 0.464 | 0.575 | 10.4 | 22.1 | 5 U | |
| BROMOMETHANE | | 1.136 | 1.402 | 16 | 20.9 | 10 U | |
| CARBON DISULFIDE | | 2.758 | 2.825 | 6.5 | 14.8 | 5 U | |
| CARBON TETRACHLORIDE | | 0.622 | 0.655 | 9.4 | 14.3 | 5 U | |
| CHLOROBENZENE | | 1.139 | 1.176 | 9.9 | 14.8 | 5 U | |
| CHLOROETHANE | | 0.506 | 0.535 | 8.9 | 18.7 | 10 U | |
| CHLOROFORM | | 2.893 | 2.847 | 8.2 | 18.8 | 5 U | |
| CHLOROMETHANE | | 0.755 | 0.773 | 11.3 | 9.3 | 10 U | |
| CIS-1,3-DICHLOROPROPENE | | 0.516 | 0.534 | 10.1 | 21 | 5 U | |
| DIBROMOCHLOROMETHANE | | 0.703 | 0.763 | 10.4 | 22.3 | 5 U | |
| ETHYLBENZENE | | 0.542 | 0.578 | 9.4 | 16.6 | 5 U | |
| METHYLENE CHLORIDE | | 1.088 | 1.112 | 9.8 | 10.3 | 5 U | |
| STYRENE | | 1.052 | 1.102 | 11.3 | 17.6 | 5 U | |
| TETRACHLOROETHENE | | 0.624 | 0.613 | 7.6 | 18.4 | 5 U | |
| TOLUENE | | 0.704 | 0.757 | 4.7 | 13.7 | 5 U | |
| TOLUENE-D8 | | 1.092 | 1.065 | 3.4 | 6 | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.362 | 0.404 | 9.7 | 17 | 5 U | |
| TRICHLOROETHENE | | 0.531 | 0.533 | 8 | 13.8 | 5 U | |
| VINYL ACETATE | | 0.412 | 0.572 | 13.9 | 11.3 | 10 U | |
| VINYL CHLORIDE | | 0.809 | 0.853 | 4.6 | 15.6 | 10 U | |
| XYLENE (TOTAL) | | 0.678 | 0.678 | 10.7 | 18.1 | 5 U | |
| 1,1-DICHLOROETHANE | | 2.029 | 2.118 | 3.4 | 10.3 | 5 U | |
| 1,1-DICHLOROETHENE | | 1.333 | 1.262 | 7.5 | 18.9 | 5 U | |
| 1,1,1-TRICHLOROETHANE | | 0.686 | 0.768 | 4.6 | 7.6 | 5 U | |
| 1,1,2-TRICHLOROETHANE | | 0.359 | 0.403 | 4.6 | 11.7 | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.537 | 0.763 | 8.9 | 23.6 | 5 U | |
| 1,2-DICHLOROETHANE | | 1.837 | 1.884 | 6.1 | 21.8 | 5 U | |
| 1,2-DICHLOROETHANE-D4 | | 1.459 | 1.435 | 6.7 | 13 | | |
| 1,2-DICHLOROETHENE | | 1.338 | 1.33 | 11.1 | 18 | 5 U | |
| 1,2-DICHLOROPROPANE | | 0.311 | 0.33 | 10.2 | 10.5 | 5 U | |
| 1,4-BROMOFLUOROBENZENE | | 0.704 | 0.669 | 6.7 | 6 | | |
| 2-BUTANONE | | 0.019 | 0.037 | 21.5 | 25 | 10 U | |
| 2-HEXANONE | | 0.294 | 0.466 | 21.6 | 17.3 | 10 U | |
| 4-METHYL-2-PENTANONE | | 0.413 | 0.574 | 25.7 | 18.8 | 10 U | |
| SURR 1(TOL) %RECOVERY | | | | | | 103 | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL RRF | INITIAL CAL % RSD | INITIAL CAL % RSD | METHOD BLANK | TUNED CALIBRATION |
| TYPE OF LOCATION | IN0617885 | IN0617886 | IN0617886 | IN0617886 | IN0617886 | VBK00617 | IN0630885 |
| SAMPLE NUMBER | WATER | WATER | SOIL | WATER | SOIL | SOIL | WATER |
| MATRIX | % | RRF | RRF | % | % | UG/KG | % |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | 90 | |
| SURR 3(DCE) %RECOVERY | | | | | | 90 | |
| M/E 50 | 21 | | | | | | 26 |
| M/E 75 | 53 | | | | | | 55 |
| M/E 95 | 100 | | | | | | 100 |
| M/E 96 | 7.9 | | | | | | 6.5 |
| M/E 173-1 | 0 | | | | | | 0 |
| M/E 173-2 | 0 | | | | | | 0 |
| M/E 174 | 95 | | | | | | 80 |
| M/E 175-1 | 5.4 | | | | | | 4.1 |
| M/E 175-2 | 5.7 | | | | | | 5.1 |
| M/E 176-1 | 92 | | | | | | 79 |
| M/E 176-2 | 97 | | | | | | 99 |
| M/E 177-1 | 8.3 | | | | | | 6.3 |
| M/E 177-2 | 9 | | | | | | 7.9 |
| INTERNAL STD AREA(BCM) | | | | | | | |
| INTERNAL STD AREA(CBZ) | | | | | | | |
| INTERNAL STD AREA(DFB) | | | | | | | |
| DILUTION FACTOR | | | | | | 1 | |
| PERCENT MOISTURE | | | | | | 0 | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND | OMRE LEACH POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN0630887 | IN0630887 | IN0630888 | VBK00630 | IN520017A | IN802030A | IN520039A |
| SAMPLE NUMBER | SOIL | SOIL | WATER | SOIL | SOIL | SOIL | SOIL |
| MATRIX | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | 3 | 5 | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 0.732 | -33.1 | | 10 U | 79 | 50 | 120 |
| BENZENE | 0.618 | 21.5 | | 5 U | 11 U | 12 U | 16 U |
| BROMODICHLOROMETHANE | 0.571 | 21.4 | | 5 U | 11 U | 12 U | 16 U |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 | OMRE | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND | LEACH POND | WASTE POND |
| SAMPLE NUMBER | IN0630887 | IN0630887 | IN0630888 | VBK00630 | IN520017A | IN802030A | IN520039A |
| MATRIX | SOIL | SOIL | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 3 | 5 | 3 |
| BROMOFORM | 0.41 | 28.7 | | 5 U | 11 U | 12 U | 16 U |
| BROMOMETHANE | 1.224 | 12.7 | | 10 U | 23 U | 23 U | 32 U |
| CARBON DISULFIDE | 2.149 | 23.9 | | 5 U | 11 U | 12 U | 16 U |
| CARBON TETRACHLORIDE | 0.498 | 24 | | 5 U | 11 U | 12 U | 16 U |
| CHLOROBENZENE | 0.984 | 16.3 | | 5 U | 11 U | 12 U | 16 U |
| CHLOROETHANE | 0.485 | 9.3 | | 10 U | 23 U | 23 U | 32 U |
| CHLOROFORM | 2.456 | 13.7 | | 5 U | 4 J | 12 U | 16 U |
| CHLOROMETHANE | 0.793 | -2.6 | | 10 U | 23 U | 23 U | 32 U |
| CIS-1,3-DICHLOROPROPENE | 0.412 | 22.9 | | 5 U | 11 U | 12 U | 16 U |
| DIBROMOCHLOROMETHANE | 0.634 | 16.9 | | 5 U | 11 U | 12 U | 16 U |
| ETHYLBENZENE | 0.451 | 22 | | 5 U | 11 U | 12 U | 16 U |
| METHYLENE CHLORIDE | 0.82 | 26.3 | | 5 U | 300 | 180 | 47 |
| STYRENE | 0.911 | 17.3 | | 5 U | 11 U | 12 U | 16 U |
| TETRACHLOROETHENE | 0.585 | 4.6 | | 5 U | 11 U | 12 U | 16 U |
| TOLUENE | 0.636 | 16 | | 5 U | 11 U | 12 U | 16 U |
| TOLUENE-D8 | 1.162 | -9.1 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.262 | 35.2 | | 5 U | 11 U | 12 U | 16 U |
| TRICHLOROETHENE | 0.497 | 6.8 | | 5 U | 11 U | 12 U | 16 U |
| VINYL ACETATE | 0.401 | 29.9 | | 10 U | 23 U | 23 U | 32 U |
| VINYL CHLORIDE | 0.781 | 8.4 | | 10 U | 23 U | 23 U | 32 U |
| XYLENE (TOTAL) | 0.55 | 18.9 | | 5 U | 11 U | 12 U | 16 U |
| 1,1-DICHLOROETHANE | 1.675 | 20.9 | | 5 U | 11 U | 12 U | 16 U |
| 1,1-DICHLOROETHENE | 0.981 | 22.3 | | 5 U | 11 U | 12 U | 16 U |
| 1,1,1-TRICHLOROETHANE | 0.614 | 20.1 | | 5 U | 11 U | 8 J | 13 J |
| 1,1,2-TRICHLOROETHANE | 0.38 | 5.7 | | 5 U | 11 U | 12 U | 16 U |
| 1,1,2,2-TETRACHLOROETHANE | 0.59 | 22.7 | | 5 U | 11 U | 12 U | 16 U |
| 1,2-DICHLOROETHANE | 1.67 | 11.4 | | 5 U | 11 U | 12 U | 16 U |
| 1,2-DICHLOROETHANE-D4 | 1.433 | 0.1 | | | | | |
| 1,2-DICHLOROETHENE | 1.188 | 10.7 | | 5 U | 11 U | 12 U | 16 U |
| 1,2-DICHLOROPROPANE | 0.267 | 19.1 | | 5 U | 11 U | 12 U | 16 U |
| 1,4-BROMOFLUOROBENZENE | 0.727 | -8.7 | | | | | |
| 2-BUTANONE | 0.036 | 2.7 | | 10 U | 97 | 170 | 170 |
| 2-HEXANONE | 0.507 | -8.8 | | 10 U | 23 U | 23 U | 32 U |
| 4-METHYL-2-PENTANONE | 0.507 | 11.7 | | 10 U | 23 U | 23 U | 32 U |
| SURR 1(TOL) %RECOVERY | | | | 106 | 98 | 104 | 112 |
| SURR 2(BFB) %RECOVERY | | | | 105 | 101 | 111 | 108 |
| SURR 3(DCE) %RECOVERY | | | | 104 | 97 | 95 | 97 |

M/E 50

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 | OMRE | TRA 1952 |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND | LEACH POND | WASTE POND |
| SAMPLE NUMBER | IN0630887 | IN0630887 | IN0630888 | VBK00630 | IN520017A | IN802030A | IN520039A |
| MATRIX | SOIL | SOIL | WATER | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 3 | 5 | 3 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 58300 | 71000 | 51100 | 56700 | 55000 |
| INTERNAL STD AREA(CBZ) | | | 204000 | 256000 | 182000 | 173000 | 183000 |
| INTERNAL STD AREA(DFB) | | | 234000 | 301000 | 215000 | 203000 | 231000 |
| DILUTION FACTOR | | | 0 | 1 | 1 | 0.998 | 0.999 |
| PERCENT MOISTURE | | | | 0 | 26 | 7 | 30 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | 10(14 D) | 13(14 D) | 10(14 D) |

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | TAN/WRRTF | TAN/WRRTF | TUNED |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | BURN PITS | BURN PITS | CALIBRATION |
| SAMPLE NUMBER | IN520040A | IN520028A | IN802018A | IN802029A | IN818027A | IN818038A | IN0701885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 7 | 7 | |
| ACETONE | 88 | 100 | 27 U | 70 | 57 | 26 U | |
| BENZENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| BROMODICHLOROMETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| BROMOFORM | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| BROMOMETHANE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| CARBON DISULFIDE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| CARBON TETRACHLORIDE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A DRAFT DO NOT CITE

| AREA | | | | | | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | TAN/WRRTF | TAN/WRRTF | TUNED |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | BURN PITS | BURN PITS | CALIBRATION |
| SAMPLE NUMBER | IN520040A | IN520028A | IN802018A | IN802029A | IN818027A | IN818038A | IN0701885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 7 | 7 | |
| CHLOROBENZENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| CHLOROETHANE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| CHLOROFORM | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| CHLOROMETHANE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| CIS-1,3-DICHLOROPROPENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| DIBROMOCHLOROMETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| ETHYLBENZENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| METHYLENE CHLORIDE | 85 | 56 | 80 | 260 | 310 | 260 | |
| STYRENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| TETRACHLOROETHENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| TOLUENE | 16 U | 14 U | 3 J | 13 U | 13 U | 13 U | |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| TRICHLOROETHENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| VINYL ACETATE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| VINYL CHLORIDE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| XYLENE (TOTAL) | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,1-DICHLOROETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,1-DICHLOROETHENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,1,1-TRICHLOROETHANE | 16 U | 14 U | 15 | 25 | 13 | 13 U | |
| 1,1,2-TRICHLOROETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,1,2,2-TETRACHLOROETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,2-DICHLOROETHANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,2-DICHLOROPROPANE | 16 U | 14 U | 14 U | 13 U | 13 U | 13 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 190 | 170 | 190 | 140 | 160 | 160 | |
| 2-HEXANONE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| 4-METHYL-2-PENTANONE | 31 U | 29 U | 27 U | 26 U | 26 U | 26 U | |
| SURR 1(TOL) %RECOVERY | 97 | 111 | 99 | 105 | 100 | 113 | |
| SURR 2(BFB) %RECOVERY | 98 | 88 | 107 | 100 | 104 | 112 | |
| SURR 3(DCE) %RECOVERY | 89 | 103 | 98 | 103 | 94 | 94 | |
| M/E 50 | | | | | | | 25 |
| M/E 75 | | | | | | | 59 |
| M/E 95 | | | | | | | 100 |
| M/E 96 | | | | | | | 6.6 |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AREA | | | | | | | QA |
| LOCATION | TRA 1952 | TRA 1952 | OMRE | OMRE | TAN/WRRTF | TAN/WRRTF | TUNED |
| TYPE OF LOCATION | WASTE POND | WASTE POND | LEACH POND | LEACH POND | BURN PITS | BURN PITS | CALIBRATION |
| SAMPLE NUMBER | IN520040A | IN520028A | IN802018A | IN802029A | IN818027A | IN818038A | IN0701885 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | WATER |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % |
| ENV PROBLEM NO | 3 | 3 | 5 | 5 | 7 | 7 | |
| M/E 173-1 | | | | | | | 1 |
| M/E 173-2 | | | | | | | 1.2 |
| M/E 174 | | | | | | | 81 |
| M/E 175-1 | | | | | | | 5.5 |
| M/E 175-2 | | | | | | | 6.8 |
| M/E 176-1 | | | | | | | 79 |
| M/E 176-2 | | | | | | | 97 |
| M/E 177-1 | | | | | | | 4.3 |
| M/E 177-2 | | | | | | | 5.5 |
| INTERNAL STD AREA(BCM) | 57100 | 54200 | 51300 | 48300 | 49900 | 60200 | |
| INTERNAL STD AREA(CBZ) | 187000 | 188000 | 174000 | 177000 | 173000 | 163000 | |
| INTERNAL STD AREA(DFB) | 208000 | 212000 | 191000 | 197000 | 199000 | 202000 | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | |
| PERCENT MOISTURE | 24 | 17 | 8 | 9 | 7 | 7 | |
| ACTUAL(ALLOWED) HOLD TIME | 10(14 D) | 10(14 D) | 13(14 D) | 13(14 D) | 10(14 D) | 10(14 D) | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AREA | QA | QA | | QA | QA | QA | QA |
| LOCATION | ISTD RET TIM | METHOD | TRA 1952 | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | SHIFT | BLANK | WASTE POND | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0701888 | VBK00701 | IN522075A | IN0707885 | IN0707887 | IN0707887 | IN0707888 |
| MATRIX | WATER | WATER | WATER | SOIL | SOIL | SOIL | WATER |
| UNITS | AREA | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | | 3 | | | | |
| ACETONE | | 10 U | 10 U | | 0.762 | -38.6 | |
| BENZENE | | 5 U | 5 U | | 0.684 | 13.1 | |
| BROMODICHLOROMETHANE | | 5 U | 5 U | | 0.598 | 17.6 | |
| BROMOFORM | | 5 U | 5 U | | 0.486 | 15.5 | |
| BROMOMETHANE | | 10 U | 10 U | | 1.182 | 15.7 | |
| CARBON DISULFIDE | | 5 U | 5 U | | 2.424 | 14.2 | |
| CARBON TETRACHLORIDE | | 5 U | 5 U | | 0.562 | 14.2 | |
| CHLOROBENZENE | | 5 U | 5 U | | 1.137 | 3.3 | |
| CHLOROETHANE | | 10 U | 10 U | | 0.624 | -16.6 | |
| CHLOROFORM | | 5 U | 5 U | | 2.588 | 9.1 | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A DRAFT DO NOT CITE

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | METHOD | TRA 1952 | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | SHIFT | BLANK | WASTE POND | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0701888 | VBK00701 | IN522075A | IN0707885 | IN0707887 | IN0707887 | IN0707888 |
| MATRIX | WATER | WATER | WATER | SOIL | SOIL | SOIL | WATER |
| UNITS | AREA | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | | 3 | | | | |
| CHLOROMETHANE | | 10 U | 10 U | | 0.757 | 2.1 | |
| CIS-1,3-DICHLOROPROPENE | | 5 U | 5 U | | 0.407 | 23.8 | |
| DIBROMOCHLOROMETHANE | | 5 U | 5 U | | 0.655 | 14.2 | |
| ETHYLBENZENE | | 5 U | 5 U | | 0.516 | 10.7 | |
| METHYLENE CHLORIDE | | 5 U | 11 | | 1.086 | 2.3 | |
| STYRENE | | 5 U | 5 U | | 0.917 | 16.8 | |
| TETRACHLOROETHENE | | 5 U | 5 U | | 0.621 | -1.3 | |
| TOLUENE | | 5 U | 5 | | 0.644 | 14.9 | |
| TOLUENE-D8 | | | | | 0.931 | 12.6 | |
| TRANS-1,3-DICHLOROPROPENE | | 5 U | 5 U | | 0.315 | 22 | |
| TRICHLOROETHENE | | 5 U | 5 U | | 0.451 | 15.4 | |
| VINYL ACETATE | | 10 U | 10 U | | 0.416 | 27.3 | |
| VINYL CHLORIDE | | 10 U | 10 U | | 0.839 | 1.6 | |
| XYLENE (TOTAL) | | 5 U | 5 U | | 0.646 | 4.7 | |
| 1,1-DICHLOROETHANE | | 5 U | 5 U | | 1.692 | 20.1 | |
| 1,1-DICHLOROETHENE | | 5 U | 5 U | | 1.169 | 7.4 | |
| 1,1,1-TRICHLOROETHANE | | 5 U | 5 U | | 0.896 | -16.7 | |
| 1,1,2-TRICHLOROETHANE | | 5 U | 5 U | | 0.373 | 7.4 | |
| 1,1,2,2-TETRACHLOROETHANE | | 5 U | 5 U | | 0.632 | 17.2 | |
| 1,2-DICHLOROETHANE | | 5 U | 5 U | | 1.693 | 10.1 | |
| 1,2-DICHLOROETHANE-D4 | | | | | 1.399 | 2.5 | |
| 1,2-DICHLOROETHENE | | 5 U | 5 U | | 1.401 | -5.3 | |
| 1,2-DICHLOROPROPANE | | 5 U | 5 U | | 0.275 | 16.7 | |
| 1,4-BROMOFLUOROBENZENE | | | | | 0.689 | -3 | |
| 2-BUTANONE | | 10 U | 10 U | | 0.041 | -10.8 | |
| 2-HEXANONE | | 10 U | 10 U | | 0.359 | 23 | |
| 4-METHYL-2-PENTANONE | | 10 U | 10 U | | 0.459 | 20 | |
| SURR 1(TOL) %RECOVERY | | 100 | 103 | | | | |
| SURR 2(BFB) %RECOVERY | | 88 | 86 | | | | |
| SURR 3(DCE) %RECOVERY | | 104 | 89 | | | | |
| M/E 50 | | | | 22 | | | |
| M/E 75 | | | | 41 | | | |
| M/E 95 | | | | 100 | | | |
| M/E 96 | | | | 6.1 | | | |
| M/E 173-1 | | | | 0 | | | |
| M/E 173-2 | | | | 0 | | | |
| M/E 174 | | | | 86 | | | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | QA | | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | ISTD RET TIM | METHOD | TRA 1952 | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | SHIFT | BLANK | WASTE POND | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0701888 | VBK00701 | IN522075A | IN0707885 | IN0707887 | IN0707887 | IN0707888 |
| MATRIX | WATER | WATER | WATER | SOIL | SOIL | SOIL | WATER |
| UNITS | AREA | UG/L | UG/L | % | RRF | % | AREA |
| ENV PROBLEM NO | | | 3 | | | | |
| M/E 175-1 | | | | 5.1 | | | |
| M/E 175-2 | | | | 5.9 | | | |
| M/E 176-1 | | | | 83 | | | |
| M/E 176-2 | | | | 97 | | | |
| M/E 177-1 | | | | 6.1 | | | |
| M/E 177-2 | | | | 7.3 | | | |
| INTERNAL STD AREA(BCM) | 59900 | 61400 | 54200 | | | | 45200 |
| INTERNAL STD AREA(CBZ) | 224000 | 229000 | 218000 | | | | 165000 |
| INTERNAL STD AREA(DFB) | 252000 | 249000 | 234000 | | | | 188000 |
| DILUTION FACTOR | 0 | 1 | 1 | | | | 0 |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | 10(14 D) | | | | |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TUNED | CONTINUING |
| TYPE OF LOCATION | BLANK | WASTE POND | WASTE POND | WASTE POND | WASTE POND | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | VBK00707 | IN514019A | IN514020A | IN514042A | IN514053A | IN0720885 | IN0720887 |
| MATRIX | WATER | SOIL | SOIL | SOIL | SOIL | WATER | SOIL |
| UNITS | UG/L | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | |
| ACETONE | 10 U | 99 | 85 | 89 | 74 | | 0.874 |
| BENZENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.794 |
| BROMODICHLOROMETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.719 |
| BROMOFORM | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.479 |
| BROMOMETHANE | 10 U | 31 U | 29 U | 29 U | 26 U | | 1.283 |
| CARBON DISULFIDE | 5 U | 16 U | 15 U | 14 U | 13 U | | 2.404 |
| CARBON TETRACHLORIDE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.569 |
| CHLOROBENZENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 1.016 |
| CHLOROETHANE | 10 U | 31 U | 29 U | 29 U | 26 U | | 0.573 |
| CHLOROFORM | 5 U | 16 U | 15 U | 14 U | 13 U | | 3.588 |
| CHLOROMETHANE | 10 U | 31 U | 29 U | 29 U | 26 U | | 0.799 |
| CIS-1,3-DICHLOROPROPENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.511 |
| DIBROMOCHLOROMETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.642 |

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK00707 | IN514019A | IN514020A | IN514042A | IN514053A | IN0720885 | IN0720887 |
| MATRIX | WATER | SOIL | SOIL | SOIL | SOIL | WATER | SOIL |
| UNITS | UG/L | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | | 3 | 3 | 3 | 3 | | |
| ETHYLBENZENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.507 |
| METHYLENE CHLORIDE | 12 | 16 U | 15 U | 14 U | 12 BJ | | 1.653 |
| STYRENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.965 |
| TETRACHLOROETHENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.532 |
| TOLUENE | 1 J | 5 BJ | 3 BJ | 15 B | 13 U | | 0.648 |
| TOLUENE-D8 | | | | | | | 1.19 |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.385 |
| TRICHLOROETHENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.534 |
| VINYL ACETATE | 10 U | 31 U | 29 U | 29 U | 26 U | | 0.19 |
| VINYL CHLORIDE | 10 U | 31 U | 29 U | 29 U | 26 U | | 1.214 |
| XYLENE (TOTAL) | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.568 |
| 1,1-DICHLOROETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 2.754 |
| 1,1-DICHLOROETHENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 1.261 |
| 1,1,1-TRICHLOROETHANE | 12 | 26 B | 18 B | 18 B | 12 BJ | | 0.737 |
| 1,1,2-TRICHLOROETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.392 |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.643 |
| 1,2-DICHLOROETHANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 2.791 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 2.527 |
| 1,2-DICHLOROETHENE | 5 U | 16 U | 15 U | 14 U | 13 U | | 1.566 |
| 1,2-DICHLOROPROPANE | 5 U | 16 U | 15 U | 14 U | 13 U | | 0.323 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 0.707 |
| 2-BUTANONE | 10 U | 160 | 110 | 230 | 120 | | 0.063 |
| 2-HEXANONE | 10 U | 31 U | 29 U | 29 U | 26 U | | 0.409 |
| 4-METHYL-2-PENTANONE | 10 U | 31 U | 29 U | 29 U | 26 U | | 0.409 |
| SURR 1(TOL) %RECOVERY | 104 | 95 | 110 | 108 | 113 | | |
| SURR 2(BFB) %RECOVERY | 110 | 102 | 96 | 98 | 117 | | |
| SURR 3(DCE) %RECOVERY | 88 | 106 | 106 | 101 | 102 | | |
| M/E 50 | | | | | | 25 | |
| M/E 75 | | | | | | 47 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 6.9 | |
| M/E 173-1 | | | | | | 0 | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 74 | |
| M/E 175-1 | | | | | | 4.9 | |
| M/E 175-2 | | | | | | 6.6 | |
| M/E 176-1 | | | | | | 71 | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TUNED CALIBRATION | CONTINUING CALIBRATION |
| TYPE OF LOCATION | VBK00707 | IN514019A | IN514020A | IN514042A | IN514053A | IN0720885 | IN0720887 |
| SAMPLE NUMBER | WATER | SOIL | SOIL | SOIL | SOIL | WATER | SOIL |
| MATRIX | UG/L | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| UNITS | | 3 | 3 | 3 | 3 | | |
| ENV PROBLEM NO | | | | | | | |
| M/E 176-2 | | | | | | 96 | |
| M/E 177-1 | | | | | | 5.4 | |
| M/E 177-2 | | | | | | 7.6 | |
| INTERNAL STD AREA(BCM) | 41600 | 39600 | 46500 | 50500 | 52000 | | |
| INTERNAL STD AREA(CBZ) | 146000 | 168000 | 177000 | 189000 | 162000 | | |
| INTERNAL STD AREA(DFB) | 164000 | 169000 | 198000 | 205000 | 208000 | | |
| DILUTION FACTOR | 1 | 0.998 | 0.998 | 0.998 | 0.998 | | |
| PERCENT MOISTURE | | 31 | 26 | 24 | 18 | | |
| ACTUAL(ALLOWED) HOLD TIME | | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | | |

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD | TAN/TSF LEACH FLD |
| TYPE OF LOCATION | IN0720887 | IN0720888 | VBK00720 | IN822012A | IN822023A | IN822034A | IN822045A |
| SAMPLE NUMBER | SOIL | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | | | | 8 | 8 | 8 | 8 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | -1.2 | | 10 U | 53 U | 55 U | 52 | 52 |
| BENZENE | 13.8 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| BROMODICHLOROMETHANE | 12.4 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| BROMOFORM | 11.3 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| BROMOMETHANE | 3.9 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| CARBON DISULFIDE | 14.8 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| CARBON TETRACHLORIDE | 9.8 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| CHLOROBENZENE | 7.7 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| CHLOROETHANE | 20 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| CHLOROFORM | 8.8 | | 5 U | 8 J | 27 U | 26 U | 26 U |
| CHLOROMETHANE | 14.6 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| CIS-1,3-DICHLOROPROPENE | 12.4 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| DIBROMOCHLOROMETHANE | 10.7 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| ETHYLBENZENE | 6.8 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| METHYLENE CHLORIDE | 0.4 | | 5 U | 590 | 400 | 930 | 200 |
| STYRENE | 5.2 | | 5 U | 26 U | 27 U | 26 U | 26 U |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD |
| SAMPLE NUMBER | IN0720887 | IN0720888 | VBK00720 | IN822012A | IN822023A | IN822034A | IN822045A |
| MATRIX | SOIL | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 8 | 8 | 8 | 8 |
| TETRACHLOROETHENE | 4 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| TOLUENE | 11.8 | | 5 U | 26 U | 27 U | 9 J | 6 J |
| TOLUENE-D8 | -3.1 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 15.4 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| TRICHLOROETHENE | 4.6 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| VINYL ACETATE | 25.2 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| VINYL CHLORIDE | 17.8 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| XYLENE (TOTAL) | 10.7 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,1-DICHLOROETHANE | 4.1 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,1-DICHLOROETHENE | 8 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,1,1-TRICHLOROETHANE | 6 | | 5 U | 59 | 70 | 66 | 40 |
| 1,1,2-TRICHLOROETHANE | 10.1 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,1,2,2-TETRACHLOROETHANE | 13.1 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,2-DICHLOROETHANE | 0 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,2-DICHLOROETHANE-D4 | -8.1 | | | | | | |
| 1,2-DICHLOROETHENE | 7.7 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,2-DICHLOROPROPANE | 15 | | 5 U | 26 U | 27 U | 26 U | 26 U |
| 1,4-BROMOFLUOROBENZENE | -6.3 | | | | | | |
| 2-BUTANONE | 12.5 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| 2-HEXANONE | 4.4 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| 4-METHYL-2-PENTANONE | 23.8 | | 10 U | 53 U | 55 U | 52 U | 52 U |
| SURR 1(TOL) %RECOVERY | | | 108 | 109 | 105 | 106 | 107 |
| SURR 2(BFB) %RECOVERY | | | 109 | 109 | 109 | 104 | 110 |
| SURR 3(DCE) %RECOVERY | | | 96 | 97 | 98 | 102 | 105 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | METHOD | TAN/TSF | TAN/TSF | TAN/TSF | TAN/TSF |
| TYPE OF LOCATION | CAL %D | SHIFT | BLANK | LEACH FLD | LEACH FLD | LEACH FLD | LEACH FLD |
| SAMPLE NUMBER | IN0720887 | IN0720888 | VBK00720 | IN822012A | IN822023A | IN822034A | IN822045A |
| MATRIX | SOIL | WATER | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 8 | 8 | 8 | 8 |
| INTERNAL STD AREA(BCM) | | 38000 | 44500 | 43000 | 40500 | 36900 | 36400 |
| INTERNAL STD AREA(CBZ) | | 189000 | 192000 | 190000 | 191000 | 173000 | 173000 |
| INTERNAL STD AREA(DFB) | | 190000 | 201000 | 199000 | 190000 | 186000 | 182000 |
| DILUTION FACTOR | | 0 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | 0 | 5 | 9 | 4 | 4 |
| ACTUAL(ALLOWED) HOLD TIME | | | | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) |

| AREA | | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/TSF | MATRIX SPIKE | MSD % | TAN/TSF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | LEACH FLD | DUPLICATE | RECOVERY | LEACH FLD | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN822056A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | % | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| ACETONE | 53 U | 53 U | | 53 U | 53 U | | |
| BENZENE | 27 U | 229 | 87 | 26 U | 226 | 86 | -1 |
| BROMODICHLOROMETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| BROMOFORM | 27 U | 26 U | | 26 U | 26 U | | |
| BROMOMETHANE | 53 U | 53 U | | 53 U | 53 U | | |
| CARBON DISULFIDE | 27 U | 26 U | | 26 U | 26 U | | |
| CARBON TETRACHLORIDE | 27 U | 26 U | | 26 U | 26 U | | |
| CHLOROBENZENE | 27 U | 274 | 104 | 26 U | 283 | 108 | 4 |
| CHLOROETHANE | 53 U | 53 U | | 53 U | 53 U | | |
| CHLOROFORM | 27 U | 26 U | | 26 U | 26 U | | |
| CHLOROMETHANE | 53 U | 53 U | | 53 U | 53 U | | |
| CIS-1,3-DICHLOROPROPENE | 27 U | 26 U | | 26 U | 26 U | | |
| DIBROMOCHLOROMETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| ETHYLBENZENE | 27 U | 26 U | | 26 U | 26 U | | |
| METHYLENE CHLORIDE | 360 | 200 | | 230 | 220 | | |
| STYRENE | 27 U | 26 U | | 26 U | 26 U | | |
| TETRACHLOROETHENE | 27 U | 26 U | | 26 U | 26 U | | |
| TOLUENE | 27 U | 238 | 90 | 26 U | 240 | 91 | 1 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 27 U | 26 U | | 26 U | 26 U | | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A DRAFT DO NOT CITE

| AREA | | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/TSF | MATRIX SPIKE | MSD % | TAN/TSF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | LEACH FLD | DUPLICATE | RECOVERY | LEACH FLD | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN822056A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | % | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| TRICHLOROETHENE | 27 U | 243 | 92 | 26 U | 240 | 91 | -1 |
| VINYL ACETATE | 53 U | 53 U | | 53 U | 53 U | | |
| VINYL CHLORIDE | 53 U | 53 U | | 53 U | 53 U | | |
| XYLENE (TOTAL) | 27 U | 26 U | | 26 U | 26 U | | |
| 1,1-DICHLOROETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,1-DICHLOROETHENE | 27 U | 225 | 86 | 26 U | 211 | 80 | -7 |
| 1,1,1-TRICHLOROETHANE | 97 | 110 | | 110 | 150 | | |
| 1,1,2-TRICHLOROETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,2-DICHLOROETHANE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,2-DICHLOROPROPANE | 27 U | 26 U | | 26 U | 26 U | | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 53 U | 53 U | | 53 U | 53 U | | |
| 2-HEXANONE | 53 U | 53 U | | 53 U | 53 U | | |
| 4-METHYL-2-PENTANONE | 53 U | 53 U | | 53 U | 53 U | | |
| SURR 1(TOL) %RECOVERY | 115 | 102 | | 108 | 102 | | |
| SURR 2(BFB) %RECOVERY | 109 | 110 | | 111 | 109 | | |
| SURR 3(DCE) %RECOVERY | 99 | 104 | | 105 | 108 | | |
| M/E 50 | | | | | | | |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 38100 | 33600 | | 35100 | 34000 | | |
| INTERNAL STD AREA(CBZ) | 167000 | 166000 | | 169000 | 166000 | | |
| INTERNAL STD AREA(DFB) | 175000 | 167000 | | 176000 | 170000 | | |

TABLE D.6.14 INEL VOLATILE ORGANICS - SDG NUMBER: IN514019A

DRAFT DO NOT CITE

| AREA | | QA | QA | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/TSF | MATRIX SPIKE | MSD % | TAN/TSF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | LEACH FLD | DUPLICATE | RECOVERY | LEACH FLD | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN822056A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A | IN822078A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | % | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| DILUTION FACTOR | 1 | 1 | | 1 | 1 | | |
| PERCENT MOISTURE | 6 | 5 | | 5 | 5 | | |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | 7(14 D) | | 7(14 D) | 7(14 D) | | |

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND | BURN PITS |
| SAMPLE NUMBER | IN0628885 | IN0628887 | IN0628887 | IN0628888 | VBK00628 | IN802052A | IN818016A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 5 | 7 |
| ACETONE | | 0.82 | -49.1 | | 10 U | 11 U | 30 |
| BENZENE | | 0.789 | -0.3 | | 5 U | 6 U | 5 U |
| BROMODICHLOROMETHANE | | 0.707 | 2.6 | | 5 U | 6 U | 5 U |
| BROMOFORM | | 0.479 | 16.7 | | 5 U | 6 U | 5 U |
| BROMOMETHANE | | 1.214 | 13.4 | | 10 U | 11 U | 10 U |
| CARBON DISULFIDE | | 2.295 | 18.8 | | 5 U | 6 U | 5 U |
| CARBON TETRACHLORIDE | | 0.559 | 14.7 | | 5 U | 6 U | 5 U |
| CHLOROBENZENE | | 1.135 | 3.5 | | 5 U | 6 U | 5 U |
| CHLOROETHANE | | 0.555 | -3.7 | | 10 U | 11 U | 10 U |
| CHLOROFORM | | 2.642 | 7.2 | | 5 U | 6 U | 3 J |
| CHLOROMETHANE | | 0.859 | -11.1 | | 10 U | 11 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | 0.499 | 6.6 | | 5 U | 6 U | 5 U |
| DIBROMOCHLOROMETHANE | | 0.74 | 3 | | 5 U | 6 U | 5 U |
| ETHYLBENZENE | | 0.57 | 1.4 | | 5 U | 6 U | 5 U |
| METHYLENE CHLORIDE | | 1.057 | 4.9 | | 5 U | 41 | 200 |
| STYRENE | | 1.129 | -2.5 | | 5 U | 6 U | 5 U |
| TETRACHLOROETHENE | | 0.581 | 5.2 | | 5 U | 6 U | 5 U |
| TOLUENE | | 0.769 | -1.6 | | 5 U | 6 U | 3 J |
| TOLUENE-D8 | | 1.159 | -8.8 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.382 | 5.4 | | 5 U | 6 U | 5 U |
| TRICHLOROETHENE | | 0.559 | -4.9 | | 5 U | 6 U | 5 U |
| VINYL ACETATE | | 0.367 | 35.8 | | 10 U | 11 U | 10 U |
| VINYL CHLORIDE | | 0.79 | 7.4 | | 10 U | 11 U | 10 U |
| XYLENE (TOTAL) | | 0.657 | 3.1 | | 5 U | 6 U | 5 U |
| 1,1-DICHLOROETHANE | | 2.024 | 4.4 | | 5 U | 6 U | 5 U |
| 1,1-DICHLOROETHENE | | 1.045 | 17.2 | | 5 U | 6 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | 0.756 | 1.6 | | 5 U | 6 U | 3 J |
| 1,1,2-TRICHLOROETHANE | | 0.457 | -13.4 | | 5 U | 6 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.674 | 11.7 | | 5 U | 6 U | 5 U |
| 1,2-DICHLOROETHANE | | 1.738 | 7.7 | | 5 U | 6 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | 1.492 | -4 | | | | |
| 1,2-DICHLOROETHENE | | 1.279 | 3.8 | | 5 U | 6 U | 5 U |
| 1,2-DICHLOROPROPANE | | 0.371 | -12.4 | | 5 U | 6 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | 0.653 | 2.4 | | | | |
| 2-BUTANONE | | 0.056 | -51.4 | | 10 U | 11 U | 65 |
| 2-HEXANONE | | 0.477 | -2.4 | | 10 U | 11 U | 10 U |
| 4-METHYL-2-PENTANONE | | 0.477 | 16.9 | | 10 U | 11 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | | | 108 | | 111 |

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | OMRE LEACH POND | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | IN0628885 | IN0628887 | IN0628887 | IN0628888 | VBK00628 | IN802052A | IN818016A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 5 | 7 |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 96 | | 91 |
| SURR 3(DCE) %RECOVERY | | | | | 99 | | 113 |
| M/E 50 | 20 | | | | | | |
| M/E 75 | 58 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 6 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 78 | | | | | | |
| M/E 175-1 | 6.7 | | | | | | |
| M/E 175-2 | 8.6 | | | | | | |
| M/E 176-1 | 77 | | | | | | |
| M/E 176-2 | 99 | | | | | | |
| M/E 177-1 | 6.9 | | | | | | |
| M/E 177-2 | 9 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 70000 | 71200 | 38600 | 59300 |
| INTERNAL STD AREA(CBZ) | | | | 231000 | 251000 | 128000 | 209000 |
| INTERNAL STD AREA(DFB) | | | | 250000 | 285000 | 144000 | 262000 |
| DILUTION FACTOR | | | | 0 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | 0 | 0 | 11 | 6 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 11(14 D) | 8(14 D) |

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF BURN PITS | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN818049A | IN0629885 | IN0629887 | IN0629887 | IN0629888 | VBK00629 | IN520028A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| UNITS | 7 | | | | | | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 52 | | 0.539 | 2 | | 10 U | 150 |
| BENZENE | 5 U | | 0.744 | 5.5 | | 5 U | 7 U |
| BROMODICHLOROMETHANE | 5 U | | 0.618 | 14.9 | | 5 U | 7 U |

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND |
| SAMPLE NUMBER | IN818049A | IN0629885 | IN0629887 | IN0629887 | IN0629888 | VBK00629 | IN520028A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | | | | | | 3 |
| BROMOFORM | 5 U | | 0.382 | 33.6 | | 5 U | 7 U |
| BROMOMETHANE | 10 U | | 1.261 | 10.1 | | 10 U | 13 U |
| CARBON DISULFIDE | 5 U | | 2.331 | 17.5 | | 5 U | 7 U |
| CARBON TETRACHLORIDE | 5 U | | 0.496 | 24.3 | | 5 U | 7 U |
| CHLOROBENZENE | 5 U | | 0.932 | 20.8 | | 5 U | 7 U |
| CHLOROETHANE | 10 U | | 0.561 | -4.9 | | 10 U | 13 U |
| CHLOROFORM | 5 U | | 2.487 | 12.6 | | 5 U | 7 U |
| CHLOROMETHANE | 10 U | | 0.7 | 9.4 | | 10 U | 13 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | | 0.433 | 18.9 | | 5 U | 7 U |
| DIBROMOCHLOROMETHANE | 5 U | | 0.598 | 21.6 | | 5 U | 7 U |
| ETHYLBENZENE | 5 U | | 0.496 | 14.2 | | 5 U | 7 U |
| METHYLENE CHLORIDE | 200 | | 0.997 | 10.3 | | 5 U | 320 E |
| STYRENE | 5 U | | 0.929 | 15.7 | | 5 U | 7 U |
| TETRACHLOROETHENE | 5 U | | 0.523 | 14.7 | | 5 U | 7 U |
| TOLUENE | 2 J | | 0.653 | 13.7 | | 5 U | 2 J |
| TOLUENE-D8 | | | 1.148 | -7.8 | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | | 0.357 | 11.6 | | 5 U | 7 U |
| TRICHLOROETHENE | 5 U | | 0.471 | 11.6 | | 5 U | 7 U |
| VINYL ACETATE | 10 U | | 0.426 | 25.5 | | 10 U | 13 U |
| VINYL CHLORIDE | 10 U | | 0.737 | 13.6 | | 10 U | 13 U |
| XYLENE (TOTAL) | 5 U | | 0.555 | 18.1 | | 5 U | 7 U |
| 1,1-DICHLOROETHANE | 5 U | | 1.752 | 17.3 | | 5 U | 7 U |
| 1,1-DICHLOROETHENE | 5 U | | 1.091 | 13.6 | | 5 U | 7 U |
| 1,1,1-TRICHLOROETHANE | 5 U | | 0.633 | 17.6 | | 5 U | 3 J |
| 1,1,2-TRICHLOROETHANE | 5 U | | 0.402 | 0.2 | | 5 U | 7 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | | 0.614 | 19.5 | | 5 U | 7 U |
| 1,2-DICHLOROETHANE | 5 U | | 1.709 | 9.3 | | 5 U | 7 U |
| 1,2-DICHLOROETHANE-D4 | | | 1.372 | 4.4 | | | |
| 1,2-DICHLOROETHENE | 5 U | | 1.106 | 16.8 | | 5 U | 7 U |
| 1,2-DICHLOROPROPANE | 5 U | | 0.323 | 2.1 | | 5 U | 7 U |
| 1,4-BROMOFLUOROBENZENE | | | 0.643 | 3.9 | | | |
| 2-BUTANONE | 72 | | 0.034 | 8.1 | | 10 U | 30 |
| 2-HEXANONE | 10 U | | 0.414 | 11.2 | | 10 U | 13 U |
| 4-METHYL-2-PENTANONE | 10 U | | 0.479 | 16.6 | | 10 U | 13 U |
| SURR 1(TOL) %RECOVERY | 111 | | | | | 104 | 93 |
| SURR 2(BFB) %RECOVERY | 83 | | | | | 95 | 105 |
| SURR 3(DCE) %RECOVERY | 110 | | | | | 104 | 89 |

M/E 50

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A

DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRA 1952 |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | WASTE POND |
| SAMPLE NUMBER | IN818049A | IN0629885 | IN0629887 | IN0629887 | IN0629888 | VBK00629 | IN520028A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | | | | | | 3 |
| M/E 75 | | 41 | | | | | |
| M/E 95 | | 100 | | | | | |
| M/E 96 | | 5.4 | | | | | |
| M/E 173-1 | | 0.5 | | | | | |
| M/E 173-2 | | 0.6 | | | | | |
| M/E 174 | | 89 | | | | | |
| M/E 175-1 | | 6 | | | | | |
| M/E 175-2 | | 6.8 | | | | | |
| M/E 176-1 | | 88 | | | | | |
| M/E 176-2 | | 98 | | | | | |
| M/E 177-1 | | 7.2 | | | | | |
| M/E 177-2 | | 8.2 | | | | | |
| INTERNAL STD AREA(BCM) | 49100 | | | | 72500 | 70600 | 62100 |
| INTERNAL STD AREA(CBZ) | 192000 | | | | 255000 | 264000 | 232000 |
| INTERNAL STD AREA(DFB) | 221000 | | | | 286000 | 311000 | 281000 |
| DILUTION FACTOR | 1 | | | | 0 | 1 | 0.999 |
| PERCENT MOISTURE | 5 | | | | 0 | 0 | 17 |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | | | | | | 9(14 D) |

| AREA | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MS % | RPD | TRIP BLANK | MATRIX SPIKE | MSD % | TRA 1952 |
| TYPE OF LOCATION | SPIKE | RECOVERY | | TRIP BLANK | DUPLICATE | RECOVERY | WASTE POND |
| SAMPLE NUMBER | IN520028A | IN520028A | IN520028A | INN16010A | IN520028A | IN520028A | IN520051A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | % | UG/KG | UG/KG | % | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 99 | 3 | 3 | 3 |
| ACETONE | 130 | | | 12 | 130 | | 130 |
| BENZENE | 103 | 137 | 17 | 5 U | 109 | 116 | 17 U |
| BROMODICHLOROMETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| BROMOFORM | 8 U | | | 5 U | 9 U | | 17 U |
| BROMOMETHANE | 15 U | | | 10 U | 19 U | | 35 U |
| CARBON DISULFIDE | 8 U | | | 5 U | 9 U | | 17 U |
| CARBON TETRACHLORIDE | 8 U | | | 5 U | 9 U | | 17 U |

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX | MS % | RPD | TRIP BLANK | MATRIX SPIKE | MSD % | TRA 1952 |
| TYPE OF LOCATION | SPIKE | RECOVERY | | TRIP BLANK | DUPLICATE | RECOVERY | WASTE POND |
| SAMPLE NUMBER | IN520028A | IN520028A | IN520028A | INN16010A | IN520028A | IN520028A | IN520051A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | % | UG/KG | UG/KG | % | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 99 | 3 | 3 | 3 |
| CHLOROBENZENE | 97 | 129 | 12 | 5 U | 107 | 114 | 17 U |
| CHLOROETHANE | 15 U | | | 10 U | 19 U | | 35 U |
| CHLOROFORM | 8 U | | | 5 U | 9 U | | 5 J |
| CHLOROMETHANE | 15 U | | | 10 U | 19 U | | 35 U |
| CIS-1,3-DICHLOROPROPENE | 8 U | | | 5 U | 9 U | | 17 U |
| DIBROMOCHLOROMETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| ETHYLBENZENE | 8 U | | | 5 U | 9 U | | 17 U |
| METHYLENE CHLORIDE | 180 | | | 10 | 120 | | 150 |
| STYRENE | 8 U | | | 5 U | 9 U | | 17 U |
| TETRACHLOROETHENE | 8 U | | | 5 U | 9 U | | 17 U |
| TOLUENE | 8 U | 133 | 9 | 2 J | 117 | 122 | 5 J |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 8 U | | | 5 U | 9 U | | 17 U |
| TRICHLOROETHENE | 93 | 124 | 10 | 5 U | 105 | 112 | 17 U |
| VINYL ACETATE | 15 U | | | 10 U | 19 U | | 35 U |
| VINYL CHLORIDE | 15 U | | | 10 U | 19 U | | 35 U |
| XYLENE (TOTAL) | 8 U | | | 5 U | 9 U | | 17 U |
| 1,1-DICHLOROETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,1-DICHLOROETHENE | 91 | 121 | -7 | 5 U | 122 | 130 | 17 U |
| 1,1,1-TRICHLOROETHANE | 8 U | | | 6 | 9 U | | 21 |
| 1,1,2-TRICHLOROETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,1,2,2-TETRACHLOROETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,2-DICHLOROETHANE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,2-DICHLOROPROPANE | 8 U | | | 5 U | 9 U | | 17 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 15 U | | | 10 U | 27 | | 200 |
| 2-HEXANONE | 15 U | | | 10 U | 19 U | | 35 U |
| 4-METHYL-2-PENTANONE | 15 U | | | 10 U | 19 U | | 35 U |
| SURR 1(TOL) %RECOVERY | 111 | | | 114 | 114 | | 111 |
| SURR 2(BFB) %RECOVERY | 102 | | | 105 | 93 | | 94 |
| SURR 3(DCE) %RECOVERY | 91 | | | 100 | 114 | | 102 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MS % RECOVERY | RPD | TRIP BLANK TRIP BLANK | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TRA 1952 WASTE POND |
| TYPE OF LOCATION | | | | INN16010A | IN520028A | IN520028A | IN520051A |
| SAMPLE NUMBER | IN520028A | IN520028A | IN520028A | SOIL | SOIL | SOIL | SOIL |
| MATRIX | SOIL | SOIL | SOIL | UG/KG | UG/KG | % | UG/KG |
| UNITS | UG/KG | % | % | 99 | 3 | 3 | 3 |
| ENV PROBLEM NO | 3 | 3 | 3 | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 61000 | | | 59500 | 49100 | | 67600 |
| INTERNAL STD AREA(CBZ) | 185000 | | | | 181000 | | 225000 |
| INTERNAL STD AREA(DFB) | 238000 | | | | 228000 | | 260000 |
| DILUTION FACTOR | 1 | | | 1 | 0.998 | | 0.998 |
| PERCENT MOISTURE | 17 | | | 0 | 17 | | 40 |
| ACTUAL(ALLOWED) HOLD TIME | 9(14 D) | | | 7(14 D) | 9(14 D) | | 9(14 D) |

| AREA | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND | TRA 1952 WASTE POND |
| TYPE OF LOCATION | IN520062A | IN522019A | IN522020A | IN522031A | IN522042A | IN522053A | IN522064A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| UNITS | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 24 U | 27 | 27 U | 79 | 69 | 42 | 19 U |
| BENZENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| BROMODICHLOROMETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| BROMOFORM | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| BROMOMETHANE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| CARBON DISULFIDE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| CARBON TETRACHLORIDE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| CHLOROBENZENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| CHLOROETHANE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| CHLOROFORM | 12 U | 10 U | 13 U | 4 J | 3 J | 10 U | 10 U |

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A

DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN520062A | IN522019A | IN522020A | IN522031A | IN522042A | IN522053A | IN522064A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CHLOROMETHANE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| CIS-1,3-DICHLOROPROPENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| DIBROMOCHLOROMETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| ETHYLBENZENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| METHYLENE CHLORIDE | 27 | 210 | 50 | 200 | 130 | 170 | 120 |
| STYRENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| TETRACHLOROETHENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| TOLUENE | 3 J | 10 U | 4 J | 11 U | 13 U | 10 U | 3 J |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| TRICHLOROETHENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| VINYL ACETATE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| VINYL CHLORIDE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| XYLENE (TOTAL) | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,1-DICHLOROETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,1-DICHLOROETHENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,1,1-TRICHLOROETHANE | 5 J | 33 | 530 | 250 | 56 | 18 | 11 |
| 1,1,2-TRICHLOROETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,1,2,2-TETRACHLOROETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,2-DICHLOROETHANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,2-DICHLOROPROPANE | 12 U | 10 U | 13 U | 11 U | 13 U | 10 U | 10 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 140 | 180 | 150 | 130 | 110 | 110 | 100 |
| 2-HEXANONE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| 4-METHYL-2-PENTANONE | 24 U | 21 U | 27 U | 23 U | 25 U | 20 U | 19 U |
| SURR 1(TOL) %RECOVERY | 117 | 110 | 116 | 104 | 109 | 112 | 111 |
| SURR 2(BFB) %RECOVERY | 89 | 87 | 89 | 88 | 86 | 96 | 90 |
| SURR 3(DCE) %RECOVERY | 95 | 109 | 110 | 100 | 107 | 107 | 104 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.15 INEL VOLATILE ORGANICS - SDG NUMBER: IN522019A

DRAFT DO NOT CITE

AREA

| LOCATION | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 | TRA 1952 |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND | WASTE POND |
| SAMPLE NUMBER | IN520062A | IN522019A | IN522020A | IN522031A | IN522042A | IN522053A | IN522064A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 63800 | 40800 | 61700 | 63400 | 61500 | 56100 | 64900 |
| INTERNAL STD AREA(CBZ) | 189000 | 144000 | 208000 | 208000 | 194000 | 200000 | 226000 |
| INTERNAL STD AREA(DFB) | 236000 | 158000 | 245000 | 237000 | 244000 | 239000 | 262000 |
| DILUTION FACTOR | 0.998 | 1 | 0.998 | 0.999 | 1 | 0.998 | 0.998 |
| PERCENT MOISTURE | 34 | 20 | 28 | 19 | 29 | 19 | 19 |
| ACTUAL(ALLOWED) HOLD TIME | 9(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 9(14 D) | 9(14 D) | 9(14 D) |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | ISTD RET TIM | METHOD | TAN/TSF | TAN/TSF | TAN/TSF | TRIP BLANK |
| TYPE OF LOCATION | CALIBRATION | SHIFT | BLANK | LEACH FLD | LEACH FLD | LEACH FLD | TRIP BLANK |
| SAMPLE NUMBER | IN0720885 | IN0720888 | VBK00720 | IN822067A | IN822089A | IN822090A | INN49019A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 8 | 8 | 8 | 99 |
| ACETONE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| BENZENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| BROMODICHLOROMETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| BROMOFORM | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| BROMOMETHANE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| CARBON DISULFIDE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| CARBON TETRACHLORIDE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| CHLOROBENZENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| CHLOROETHANE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| CHLOROFORM | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| CHLOROMETHANE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| DIBROMOCHLOROMETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| ETHYLBENZENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| METHYLENE CHLORIDE | | | 5 U | 580 | 470 | 460 | 25 |
| STYRENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| TETRACHLOROETHENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| TOLUENE | | | 5 U | 6 J | 8 J | 6 J | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| TRICHLOROETHENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| VINYL ACETATE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| VINYL CHLORIDE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| XYLENE (TOTAL) | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,1-DICHLOROETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,1-DICHLOROETHENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | | 5 U | 94 | 58 | 28 | 4 J |
| 1,1,2-TRICHLOROETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,2-DICHLOROETHANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,2-DICHLOROPROPANE | | | 5 U | 27 U | 27 U | 26 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| 2-HEXANONE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| 4-METHYL-2-PENTANONE | | | 10 U | 53 U | 54 U | 53 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | 108 | 106 | 104 | 108 | 106 |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | ISTD RET TIM | METHOD | TAN/TSF | TAN/TSF | TAN/TSF | TRIP BLANK |
| TYPE OF LOCATION | CALIBRATION | SHIFT | BLANK | LEACH FLD | LEACH FLD | LEACH FLD | TRIP BLANK |
| SAMPLE NUMBER | IN0720885 | IN0720888 | VBK00720 | IN822067A | IN822089A | IN822090A | INN49019A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | 8 | 8 | 8 | 99 |
| SURR 2(BFB) %RECOVERY | | | 109 | 110 | 119 | 119 | 120 |
| SURR 3(DCE) %RECOVERY | | | 96 | 101 | 105 | 98 | 104 |
| M/E 50 | 25 | | | | | | |
| M/E 75 | 47 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 6.9 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 74 | | | | | | |
| M/E 175-1 | 4.9 | | | | | | |
| M/E 175-2 | 6.6 | | | | | | |
| M/E 176-1 | 71 | | | | | | |
| M/E 176-2 | 96 | | | | | | |
| M/E 177-1 | 5.4 | | | | | | |
| M/E 177-2 | 7.6 | | | | | | |
| INTERNAL STD AREA(BCM) | | 38000 | 44500 | 34500 | 33800 | 32000 | 31200 |
| INTERNAL STD AREA(CBZ) | | 189000 | 192000 | 166000 | 166000 | 151000 | 154000 |
| INTERNAL STD AREA(DFB) | | 190000 | 201000 | 173000 | 169000 | 158000 | 162000 |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | 6 | 7 | 5 | |
| ACTUAL(ALLOWED) HOLD TIME | | | | 7(14 D) | 7(14 D) | 7(14 D) | 6(14 D) |

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN0725885 | IN0725887 | IN0725887 | IN0725888 | VBK00725 | IN814012A | IN814023A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 7 | 7 |
| ACETONE | | 0.834 | 3.5 | | 10 U | 42 U | 39 U |
| BENZENE | | 0.801 | 13 | | 5 U | 21 U | 19 U |
| BROMODICHLOROMETHANE | | 0.769 | 6.3 | | 5 U | 21 U | 19 U |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN0725885 | IN0725887 | IN0725887 | IN0725888 | VBK00725 | IN814012A | IN814023A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 7 | 7 |
| BROMOFORM | | 0.696 | -28.9 | | 5 U | 21 U | 19 U |
| BROMOMETHANE | | 1.43 | -7.1 | | 10 U | 42 U | 39 U |
| CARBON DISULFIDE | | 2.576 | 8.8 | | 5 U | 21 U | 19 U |
| CARBON TETRACHLORIDE | | 0.762 | -20.8 | | 5 U | 21 U | 19 U |
| CHLOROBENZENE | | 1.085 | 1.5 | | 5 U | 21 U | 19 U |
| CHLOROETHANE | | 0.58 | 19 | | 10 U | 42 U | 39 U |
| CHLOROFORM | | 4.062 | -3.3 | | 5 U | 21 U | 19 U |
| CHLOROMETHANE | | 0.883 | 5.7 | | 10 U | 42 U | 39 U |
| CIS-1,3-DICHLOROPROPENE | | 0.515 | 11.7 | | 5 U | 21 U | 19 U |
| DIBROMOCHLOROMETHANE | | 0.77 | -7.1 | | 5 U | 21 U | 19 U |
| ETHYLBENZENE | | 0.521 | 4.2 | | 5 U | 21 U | 19 U |
| METHYLENE CHLORIDE | | 1.177 | 29.1 | | 5 U | 260 | 720 |
| STYRENE | | 1.014 | 0.4 | | 5 U | 21 U | 19 U |
| TETRACHLOROETHENE | | 0.629 | -13.5 | | 5 U | 21 U | 19 U |
| TOLUENE | | 0.583 | 20.7 | | 5 U | 6 J | 19 U |
| TOLUENE-D8 | | 1.025 | 11.2 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.458 | -0.7 | | 5 U | 21 U | 19 U |
| TRICHLOROETHENE | | 0.606 | -8.2 | | 5 U | 21 U | 19 U |
| VINYL ACETATE | | 0.351 | -38.2 | | 10 U | 42 U | 39 U |
| VINYL CHLORIDE | | 1.152 | 22 | | 10 U | 42 U | 39 U |
| XYLENE (TOTAL) | | 0.61 | 4.1 | | 5 U | 21 U | 19 U |
| 1,1-DICHLOROETHANE | | 2.848 | 0.8 | | 5 U | 21 U | 19 U |
| 1,1-DICHLOROETHENE | | 1.32 | 3.7 | | 5 U | 21 U | 19 U |
| 1,1,1-TRICHLOROETHANE | | 0.881 | -12.4 | | 5 U | 45 | 35 |
| 1,1,2-TRICHLOROETHANE | | 0.408 | 6.4 | | 5 U | 21 U | 19 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.684 | 7.6 | | 5 U | 21 U | 19 U |
| 1,2-DICHLOROETHANE | | 3.241 | -16.1 | | 5 U | 21 U | 19 U |
| 1,2-DICHLOROETHANE-D4 | | 2.583 | -10.5 | | | | |
| 1,2-DICHLOROETHENE | | 1.652 | 2.6 | | 5 U | 21 U | 19 U |
| 1,2-DICHLOROPROPANE | | 0.351 | 7.6 | | 5 U | 21 U | 19 U |
| 1,4-BROMOFLUOROBENZENE | | 0.577 | 13.2 | | | | |
| 2-BUTANONE | | 0.071 | 1.4 | | 10 U | 42 U | 39 U |
| 2-HEXANONE | | 0.516 | -20.6 | | 10 U | 42 U | 39 U |
| 4-METHYL-2-PENTANONE | | 0.514 | 4.3 | | 10 U | 42 U | 39 U |
| SURR 1(TOL) %RECOVERY | | | | | 99 | 105 | 105 |
| SURR 2(BFB) %RECOVERY | | | | | 108 | 108 | 94 |
| SURR 3(DCE) %RECOVERY | | | | | 110 | 96 | 106 |

M/E 50 21

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | IN0725885 | IN0725887 | IN0725887 | IN0725888 | VBK00725 | IN814012A | IN814023A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 7 | 7 |
| ENV PROBLEM NO | | | | | | | |
| M/E 75 | 56 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 7.4 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 88 | | | | | | |
| M/E 175-1 | 5 | | | | | | |
| M/E 175-2 | 5.7 | | | | | | |
| M/E 176-1 | 84 | | | | | | |
| M/E 176-2 | 95 | | | | | | |
| M/E 177-1 | 5.1 | | | | | | |
| M/E 177-2 | 6.1 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 41300 | 39900 | 37900 | 38400 |
| INTERNAL STD AREA(CBZ) | | | | 204000 | 197000 | 160000 | 155000 |
| INTERNAL STD AREA(DFB) | | | | 198000 | 200000 | 165000 | 180000 |
| DILUTION FACTOR | | | | | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | | | 8 | 8 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 11(14 D) | 11(14 D) |

| AREA | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
|---|---|---|---|---|---|---|---|
| LOCATION | IN814034A | IN814056A | IN814045A | IN814067A | IN814078A | IN814089A | IN814103A |
| TYPE OF LOCATION | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| SAMPLE NUMBER | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| MATRIX | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| BENZENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| BROMODICHLOROMETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| BROMOFORM | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| BROMOMETHANE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| CARBON DISULFIDE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| CARBON TETRACHLORIDE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A DRAFT DO NOT CITE

AREA

| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN814034A | IN814056A | IN814045A | IN814067A | IN814078A | IN814089A | IN814103A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| CHLOROBENZENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| CHLOROETHANE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| CHLOROFORM | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| CHLOROMETHANE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| CIS-1,3-DICHLOROPROPENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| DIBROMOCHLOROMETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| ETHYLBENZENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| METHYLENE CHLORIDE | 620 | 1400 E | 390 | 280 | 770 | 370 | 570 |
| STYRENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| TETRACHLOROETHENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| TOLUENE | 20 U | 20 U | 21 U | 20 U | 5 J | 19 U | 21 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| TRICHLOROETHENE | 20 U | 20 U | 21 U | 20 U | 6 J | 19 U | 21 U |
| VINYL ACETATE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| VINYL CHLORIDE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| XYLENE (TOTAL) | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,1-DICHLOROETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,1-DICHLOROETHENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,1,1-TRICHLOROETHANE | 27 | 62 | 140 | 57 | 42 | 30 | 19 J |
| 1,1,2-TRICHLOROETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,1,2,2-TETRACHLOROETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,2-DICHLOROETHANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,2-DICHLOROPROPANE | 20 U | 20 U | 21 U | 20 U | 20 U | 19 U | 21 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| 2-HEXANONE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| 4-METHYL-2-PENTANONE | 39 U | 39 U | 43 U | 40 U | 40 U | 39 U | 42 U |
| SURR 1(TOL) %RECOVERY | 103 | 102 | 100 | 100 | 112 | 109 | 91 |
| SURR 2(BFB) %RECOVERY | 118 | 120 | 112 | 116 | 113 | 109 | 107 |
| SURR 3(DCE) %RECOVERY | 94 | 110 | 117 | 115 | 117 | 94 | 112 |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

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AREA

| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN814034A | IN814056A | IN814045A | IN814067A | IN814078A | IN814089A | IN814103A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 37700 | 38600 | 30800 | 34700 | 27300 | 34600 | 33200 |
| INTERNAL STD AREA(CBZ) | 167000 | 184000 | 149000 | 176000 | 146000 | 160000 | 163000 |
| INTERNAL STD AREA(DFB) | 161000 | 171000 | 141000 | 167000 | 160000 | 139000 | 155000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 9 | 9 | 10 | 10 | 10 | 8 | 8 |
| ACTUAL(ALLOWED) HOLD TIME | 11(14 D) | 11(14 D) | 10(14 D) | 11(14 D) | 11(14 D) | 10(14 D) | 11(14 D) |

AREA

| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRIP BLANK |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | TRIP BLANK |
| SAMPLE NUMBER | IN814114A | IN0726885 | IN0726887 | IN0726887 | IN0726888 | VBK00726 | INN52014A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | | | | | | 99 |
| ACETONE | 40 U | | 0.69 | 20.1 | | 10 U | 10 U |
| BENZENE | 20 U | | 0.882 | 4.2 | | 5 U | 5 U |
| BROMODICHLOROMETHANE | 20 U | | 0.808 | 1.6 | | 5 U | 5 U |
| BROMOFORM | 20 U | | 0.586 | -8.5 | | 5 U | 5 U |
| BROMOMETHANE | 40 U | | 1.102 | 17.5 | | 10 U | 10 U |
| CARBON DISULFIDE | 20 U | | 2.393 | 15.2 | | 5 U | 5 U |
| CARBON TETRACHLORIDE | 20 U | | 0.772 | -22.4 | | 5 U | 5 U |
| CHLOROBENZENE | 20 U | | 1.103 | -0.2 | | 5 U | 5 U |
| CHLOROETHANE | 40 U | | 0.719 | -0.4 | | 10 U | 10 U |
| CHLOROFORM | 20 U | | 3.839 | 2.4 | | 5 U | 5 U |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A DRAFT DO NOT CITE

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRIP BLANK |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | TRIP BLANK |
| SAMPLE NUMBER | IN814114A | IN0726885 | IN0726887 | IN0726887 | IN0726888 | VBK00726 | INN52014A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | | | | | | 99 |
| CHLOROMETHANE | 40 U | | 0.984 | -5.1 | | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 20 U | | 0.539 | 7.5 | | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 20 U | | 0.737 | -2.5 | | 5 U | 5 U |
| ETHYLBENZENE | 20 U | | 0.52 | 4.4 | | 5 U | 5 U |
| METHYLENE CHLORIDE | 420 | | 1.074 | 35.3 | | 5 U | 14 |
| STYRENE | 20 U | | 1.046 | -2.8 | | 5 U | 5 U |
| TETRACHLOROETHENE | 20 U | | 0.59 | -6.5 | | 5 U | 5 U |
| TOLUENE | 20 U | | 0.689 | 6.3 | | 5 U | 5 U |
| TOLUENE-D8 | | | 1.189 | -3 | | | |
| TRANS-1,3-DICHLOROPROPENE | 20 U | | 0.401 | 11.9 | | 5 U | 5 U |
| TRICHLOROETHENE | 20 U | | 0.61 | -8.9 | | 5 U | 5 U |
| VINYL ACETATE | 40 U | | 0.194 | 23.6 | | 10 U | 10 U |
| VINYL CHLORIDE | 40 U | | 1.137 | 23 | | 10 U | 10 U |
| XYLENE (TOTAL) | 20 U | | 0.648 | -1.9 | | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 20 U | | 2.122 | 26.1 | | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 20 U | | 1.087 | 20.7 | | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 20 U | | 0.878 | -12 | | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 20 U | | 0.382 | 12.4 | | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 20 U | | 0.605 | 18.2 | | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 20 U | | 3.106 | -11.3 | | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | 2.676 | -14.5 | | | |
| 1,2-DICHLOROETHENE | 20 U | | 1.504 | 11.3 | | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 20 U | | 0.335 | 11.8 | | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | 0.776 | -16.7 | | | |
| 2-BUTANONE | 40 U | | 0.06 | 16.7 | | 10 U | 10 U |
| 2-HEXANONE | 40 U | | 0.432 | -0.9 | | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 40 U | | 0.432 | 19.6 | | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 98 | | | | | 84 | 109 |
| SURR 2(BFB) %RECOVERY | 121 | | | | | 114 | 113 |
| SURR 3(DCE) %RECOVERY | 95 | | | | | 110 | 105 |
| M/E 50 | | 29 | | | | | |
| M/E 75 | | 56 | | | | | |
| M/E 95 | | 100 | | | | | |
| M/E 96 | | 7.3 | | | | | |
| M/E 173-1 | | 0 | | | | | |
| M/E 173-2 | | 0 | | | | | |
| M/E 174 | | 92 | | | | | |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

| AREA | | QA | QA | QA | QA | QA | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TRIP BLANK |
| TYPE OF LOCATION | BURN PITS | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | TRIP BLANK |
| SAMPLE NUMBER | IN814114A | IN0726885 | IN0726887 | IN0726887 | IN0726888 | VBK00726 | INN52014A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | RRF | % | AREA | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | | | | | | 99 |
| M/E 175-1 | | 4.6 | | | | | |
| M/E 175-2 | | 5 | | | | | |
| M/E 176-1 | | 88 | | | | | |
| M/E 176-2 | | 95 | | | | | |
| M/E 177-1 | | 5.4 | | | | | |
| M/E 177-2 | | 6.2 | | | | | |
| INTERNAL STD AREA(BCM) | 34700 | | | | 42000 | 38900 | 35100 |
| INTERNAL STD AREA(CBZ) | 157000 | | | | 182000 | 193000 | 186000 |
| INTERNAL STD AREA(DFB) | 159000 | | | | 193000 | 177000 | 187000 |
| DILUTION FACTOR | 1 | | | | | 1 | 1 |
| PERCENT MOISTURE | 10 | | | | | | 8(14 D) |
| ACTUAL(ALLOWED) HOLD TIME | 11(14 D) | | | | | | |

| AREA | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | BURN PITS | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN814125A | IN801017A | IN801028A | IN801039A | IN802041A | IN802063A | IN802085A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 5 | 5 | 5 | 5 | 5 | 5 |
| ACETONE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| BENZENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| BROMODICHLOROMETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| BROMOFORM | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| BROMOMETHANE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| CARBON DISULFIDE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| CARBON TETRACHLORIDE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| CHLOROBENZENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| CHLOROETHANE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| CHLOROFORM | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| CHLOROMETHANE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| CIS-1,3-DICHLOROPROPENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| DIBROMOCHLOROMETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

DRAFT DO NOT CITE

AREA

| LOCATION | TAN/WRRTF | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN814125A | IN801017A | IN801028A | IN801039A | IN802041A | IN802063A | IN802085A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 5 | 5 | 5 | 5 | 5 | 5 |
| ETHYLBENZENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| METHYLENE CHLORIDE | 210 | 41 | 62 | 69 | 33 | 38 | 170 |
| STYRENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| TETRACHLOROETHENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| TOLUENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| TRICHLOROETHENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| VINYL ACETATE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| VINYL CHLORIDE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| XYLENE (TOTAL) | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,1-DICHLOROETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,1-DICHLOROETHENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,1,1-TRICHLOROETHANE | 46 | 51 | 21 | 26 | 22 | 21 U | 11 J |
| 1,1,2-TRICHLOROETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,1,2,2-TETRACHLOROETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,2-DICHLOROETHANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,2-DICHLOROPROPANE | 21 U | 20 U | 19 U | 19 U | 22 U | 21 U | 21 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| 2-HEXANONE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| 4-METHYL-2-PENTANONE | 42 U | 41 U | 39 U | 39 U | 44 U | 41 U | 42 U |
| SURR 1(TOL) %RECOVERY | 107 | 102 | 99 | 98 | 106 | 91 | 102 |
| SURR 2(BFB) %RECOVERY | 110 | 110 | 118 | 120 | 118 | 113 | 114 |
| SURR 3(DCE) %RECOVERY | 103 | 101 | 121 | 112 | 100 | 87 | 110 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

DRAFT DO NOT CITE

AREA

| LOCATION | TAN/WRRTF | OMRE | OMRE | OMRE | OMRE | OMRE | OMRE |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | BURN PITS | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN814125A | IN801017A | IN801028A | IN801039A | IN802041A | IN802063A | IN802085A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 5 | 5 | 5 | 5 | 5 | 5 |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 36400 | 39000 | 23500 | 34900 | 36400 | 36000 | 30700 |
| INTERNAL STD AREA(CBZ) | 166000 | 177000 | 156000 | 159000 | 171000 | 169000 | 154000 |
| INTERNAL STD AREA(DFB) | 171000 | 153000 | 150000 | 166000 | 169000 | 151000 | 159000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 8 | 6 | 8 | 8 | 13 | 13 | 15 |
| ACTUAL(ALLOWED) HOLD TIME | 11(14 D) | 6(14 D) | 6(14 D) | 8(14 D) | 8(14 D) | 8(14 D) | 8(14 D) |

AREA

| LOCATION | OMRE |
|---|---|
| TYPE OF LOCATION | LEACH POND |
| SAMPLE NUMBER | IN802096A |
| MATRIX | SOIL |
| UNITS | UG/KG |
| ENV PROBLEM NO | 5 |
| ACETONE | 45 U |
| BENZENE | 23 U |
| BROMODICHLOROMETHANE | 23 U |
| BROMOFORM | 23 U |
| BROMOMETHANE | 45 U |
| CARBON DISULFIDE | 23 U |
| CARBON TETRACHLORIDE | 23 U |
| CHLOROBENZENE | 23 U |
| CHLOROETHANE | 45 U |
| CHLOROFORM | 23 U |
| CHLOROMETHANE | 45 U |
| CIS-1,3-DICHLOROPROPENE | 23 U |
| DIBROMOCHLOROMETHANE | 23 U |
| ETHYLBENZENE | 23 U |
| METHYLENE CHLORIDE | 100 |
| STYRENE | 23 U |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

DRAFT DO NOT CITE

AREA

| | |
|---|---|
| LOCATION | OMRE |
| TYPE OF LOCATION | LEACH POND |
| SAMPLE NUMBER | IN802096A |
| MATRIX | SOIL |
| UNITS | UG/KG |
| ENV PROBLEM NO | 5 |
| TETRACHLOROETHENE | 23 U |
| TOLUENE | 23 U |
| TOLUENE-D8 | |
| TRANS-1,3-DICHLOROPROPENE | 23 U |
| TRICHLOROETHENE | 23 U |
| VINYL ACETATE | 45 U |
| VINYL CHLORIDE | 45 U |
| XYLENE (TOTAL) | 23 U |
| 1,1-DICHLOROETHANE | 23 U |
| 1,1-DICHLOROETHENE | 23 U |
| 1,1,1-TRICHLOROETHANE | 23 U |
| 1,1,2-TRICHLOROETHANE | 23 U |
| 1,1,2,2-TETRACHLOROETHANE | 23 U |
| 1,2-DICHLOROETHANE | 23 U |
| 1,2-DICHLOROETHANE-D4 | |
| 1,2-DICHLOROETHENE | 23 U |
| 1,2-DICHLOROPROPANE | 23 U |
| 1,4-BROMOFLUOROBENZENE | |
| 2-BUTANONE | 45 U |
| 2-HEXANONE | 45 U |
| 4-METHYL-2-PENTANONE | 45 U |
| SURR 1(TOL) %RECOVERY | 115 |
| SURR 2(BFB) %RECOVERY | 116 |
| SURR 3(DCE) %RECOVERY | 106 |
| M/E 50 | |
| M/E 75 | |
| M/E 95 | |
| M/E 96 | |
| M/E 173-1 | |
| M/E 173-2 | |
| M/E 174 | |
| M/E 175-1 | |
| M/E 175-2 | |
| M/E 176-1 | |
| M/E 176-2 | |
| M/E 177-1 | |
| M/E 177-2 | |

TABLE D.6.16 INEL VOLATILE ORGANICS - SDG NUMBER: IN801017A

AREA

| | |
|---|---|
| LOCATION | OMRE |
| TYPE OF LOCATION | LEACH POND |
| SAMPLE NUMBER | IN802096A |
| MATRIX | SOIL |
| UNITS | UG/KG |
| ENV PROBLEM NO | 5 |
| INTERNAL STD AREA(BCM) | 38400 |
| INTERNAL STD AREA(CBZ) | 166000 |
| INTERNAL STD AREA(DFB) | 184000 |
| DILUTION FACTOR | 1 |
| PERCENT MOISTURE | 15 |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | INITIAL CAL | INITIAL CAL | METHOD | TUNED |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | RRF | % RSD | BLANK | CALIBRATION |
| SAMPLE NUMBER | IN0719886 | IN0719886 | IN0721885 | IN0721886 | IN0721886 | VBK00721 | IN0727885 |
| MATRIX | SOIL | SOIL | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | % | RRF | % | UG/L | % |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 0.864 | 8.2 | | 0.464 | 19.5 | 10 U | |
| BENZENE | 0.921 | 2.6 | | 0.858 | 5.9 | 5 U | |
| BROMODICHLOROMETHANE | 0.821 | 7.7 | | 0.876 | 13 | 5 U | |
| BROMOFORM | 0.54 | 16 | | 0.596 | 13.5 | 5 U | |
| BROMOMETHANE | 1.335 | 15.7 | | 1.228 | 12.4 | 10 U | |
| CARBON DISULFIDE | 2.823 | 8.1 | | 2.427 | 8.4 | 5 U | |
| CARBON TETRACHLORIDE | 0.631 | 10 | | 0.752 | 9.4 | 5 U | |
| CHLOROBENZENE | 1.101 | 5 | | 1.187 | 8.5 | 5 U | |
| CHLOROETHANE | 0.716 | 21.4 | | 0.603 | 23.8 | 10 U | |
| CHLOROFORM | 3.933 | 8.4 | | 3.937 | 9.9 | 5 U | |
| CHLOROMETHANE | 0.936 | 8.7 | | 0.777 | 22.7 | 10 U | |
| CIS-1,3-DICHLOROPROPENE | 0.583 | 10.8 | | 0.568 | 14.6 | 5 U | |
| DIBROMOCHLOROMETHANE | 0.719 | 9.4 | | 0.816 | 11.9 | 5 U | |
| ETHYLBENZENE | 0.544 | 3 | | 0.571 | 9.3 | 5 U | |
| METHYLENE CHLORIDE | 1.659 | 8.6 | | 1.406 | 9.2 | 5 U | |
| STYRENE | 1.018 | 4.4 | | 1.059 | 9.6 | 5 U | |
| TETRACHLOROETHENE | 0.554 | 2.9 | | 0.701 | 3.4 | 5 U | |
| TOLUENE | 0.735 | 5.3 | | 0.72 | 6.1 | 5 U | |
| TOLUENE-D8 | 1.154 | 2.3 | | 1.153 | 6 | | |
| TRANS-1,3-DICHLOROPROPENE | 0.455 | 11.3 | | 0.446 | 6.1 | 5 U | |
| TRICHLOROETHENE | 0.56 | 4.9 | | 0.634 | 6.4 | 5 U | |
| VINYL ACETATE | 0.254 | 22.4 | | 0.25 | 11 | 10 U | |
| VINYL CHLORIDE | 1.477 | 9.5 | | 1.053 | 13.9 | 10 U | |
| XYLENE (TOTAL) | 0.636 | 5.7 | | 0.658 | 11.5 | 5 U | |
| 1,1-DICHLOROETHANE | 2.871 | 7 | | 2.653 | 4.6 | 5 U | |
| 1,1-DICHLOROETHENE | 1.371 | 8.1 | | 1.185 | 10.6 | 5 U | |
| 1,1,1-TRICHLOROETHANE | 0.784 | 3.2 | | 0.901 | 3.6 | 5 U | |
| 1,1,2-TRICHLOROETHANE | 0.436 | 1.9 | | 0.403 | 8.7 | 5 U | |
| 1,1,2,2-TETRACHLOROETHANE | 0.74 | 9.9 | | 0.516 | 8.9 | 5 U | |
| 1,2-DICHLOROETHANE | 2.792 | 5.3 | | 2.969 | 5.2 | 5 U | |
| 1,2-DICHLOROETHANE-D4 | 2.338 | 7.4 | | 2.337 | 3.5 | | |
| 1,2-DICHLOROETHENE | 1.696 | 5 | | 1.592 | 6.4 | 5 U | |
| 1,2-DICHLOROPROPANE | 0.38 | 4.6 | | 0.354 | 12.8 | 5 U | |
| 1,4-BROMOFLUOROBENZENE | 0.665 | 5.1 | | 0.878 | 4.9 | | |
| 2-BUTANONE | 0.072 | 6.5 | | 0.028 | 19.5 | 10 U | |
| 2-HEXANONE | 0.428 | 3.5 | | 0.283 | 18.4 | 10 U | |
| 4-METHYL-2-PENTANONE | 0.537 | 4.8 | | 0.359 | 11.3 | 10 U | |
| SURR 1(TOL) %RECOVERY | | | | | | | |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | INITIAL CAL | INITIAL CAL | TUNED | INITIAL CAL | INITIAL CAL | METHOD | TUNED |
| TYPE OF LOCATION | RRF | % RSD | CALIBRATION | RRF | % RSD | BLANK | CALIBRATION |
| SAMPLE NUMBER | IN0719886 | IN0719886 | IN0721885 | IN0721886 | IN0721886 | VBK00721 | IN0727885 |
| MATRIX | SOIL | SOIL | WATER | WATER | WATER | WATER | WATER |
| UNITS | RRF | % | % | RRF | % | UG/L | % |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | | |
| SURR 3(DCE) %RECOVERY | | | | | | | |
| M/E 50 | | | 22 | | | | 22 |
| M/E 75 | | | 56 | | | | 53 |
| M/E 95 | | | 100 | | | | 100 |
| M/E 96 | | | 6.2 | | | | 7.7 |
| M/E 173-1 | | | 0 | | | | 0 |
| M/E 173-2 | | | 0 | | | | 0 |
| M/E 174 | | | 88 | | | | 98 |
| M/E 175-1 | | | 6.7 | | | | 4.9 |
| M/E 175-2 | | | 7.6 | | | | 5 |
| M/E 176-1 | | | 84 | | | | 94 |
| M/E 176-2 | | | 95 | | | | 95 |
| M/E 177-1 | | | 6.4 | | | | 5.1 |
| M/E 177-2 | | | 7.7 | | | | 5.5 |
| INTERNAL STD AREA(BCM) | | | | | | | |
| INTERNAL STD AREA(CBZ) | | | | | | | |
| INTERNAL STD AREA(DFB) | | | | | | | |
| DILUTION FACTOR | | | | | | 1 | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN0727887 | IN0727887 | IN0727888 | VBK00727 | IN802074A | IN816014A | IN816025A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 5 | 7 | 7 |
| ACETONE | 0.752 | 13 | | 10 U | 45 U | 28 U | 240 |
| BENZENE | 0.832 | 9.7 | | 5 U | 23 U | 14 U | 21 U |
| BROMODICHLOROMETHANE | 0.626 | 23.8 | | 5 U | 23 U | 14 U | 21 U |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN0727887 | IN0727887 | IN0727888 | VBK00727 | IN802074A | IN816014A | IN816025A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 5 | 7 | 7 |
| BROMOFORM | 0.671 | -24.3 | | 5 U | 23 U | 14 U | 21 U |
| BROMOMETHANE | 1.122 | 16 | | 10 U | 45 U | 28 U | 43 U |
| CARBON DISULFIDE | 2.907 | -3 | | 5 U | 23 U | 14 U | 21 U |
| CARBON TETRACHLORIDE | 0.64 | -1.4 | | 5 U | 23 U | 14 U | 21 U |
| CHLOROBENZENE | 0.969 | 12 | | 5 U | 23 U | 14 U | 21 U |
| CHLOROETHANE | 0.703 | 1.8 | | 10 U | 45 U | 28 U | 43 U |
| CHLOROFORM | 3.433 | 12.7 | | 5 U | 23 U | 14 U | 21 U |
| CHLOROMETHANE | 0.807 | 13.8 | | 10 U | 45 U | 28 U | 43 U |
| CIS-1,3-DICHLOROPROPENE | 0.446 | 23.5 | | 5 U | 23 U | 14 U | 21 U |
| DIBROMOCHLOROMETHANE | 0.889 | -23.6 | | 5 U | 23 U | 14 U | 21 U |
| ETHYLBENZENE | 0.451 | 17.1 | | 5 U | 23 U | 11 J | 21 U |
| METHYLENE CHLORIDE | 1.386 | 16.5 | | 5 U | 460 | 640 E | 180 |
| STYRENE | 0.876 | 14 | | 5 U | 23 U | 14 U | 21 U |
| TETRACHLOROETHENE | 0.546 | 1.4 | | 5 U | 23 U | 14 U | 21 U |
| TOLUENE | 0.557 | 24.2 | | 5 U | 23 U | 6 J | 5 J |
| TOLUENE-D8 | 1.028 | 10.9 | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 0.393 | 13.6 | | 5 U | 23 U | 14 U | 21 U |
| TRICHLOROETHENE | 0.579 | -3.4 | | 5 U | 23 U | 14 U | 21 U |
| VINYL ACETATE | 0.195 | 23.2 | | 10 U | 45 U | 28 U | 43 U |
| VINYL CHLORIDE | 1.26 | 14.7 | | 10 U | 45 U | 28 U | 43 U |
| XYLENE (TOTAL) | 0.533 | 16.2 | | 5 U | 23 U | 67 | 11 J |
| 1,1-DICHLOROETHANE | 2.303 | 19.8 | | 5 U | 23 U | 14 U | 21 U |
| 1,1-DICHLOROETHENE | 1.334 | 2.7 | | 5 U | 23 U | 14 U | 21 U |
| 1,1,1-TRICHLOROETHANE | 0.764 | 2.6 | | 5 U | 20 J | 21 | 85 |
| 1,1,2-TRICHLOROETHANE | 0.425 | 2.5 | | 5 U | 23 U | 14 U | 21 U |
| 1,1,2,2-TETRACHLOROETHANE | 0.521 | 29.6 | | 5 U | 23 U | 14 U | 21 U |
| 1,2-DICHLOROETHANE | 3.108 | -11.3 | | 5 U | 23 U | 14 U | 21 U |
| 1,2-DICHLOROETHANE-D4 | 2.727 | -16.6 | | | | | |
| 1,2-DICHLOROETHENE | 1.503 | 11.4 | | 5 U | 23 U | 14 U | 21 U |
| 1,2-DICHLOROPROPANE | 0.327 | 14 | | 5 U | 23 U | 14 U | 21 U |
| 1,4-BROMOFLUOROBENZENE | 0.687 | -3.3 | | | | | |
| 2-BUTANONE | 0.055 | 23.6 | | 10 U | 45 U | 28 U | 78 |
| 2-HEXANONE | 0.361 | 15.7 | | 10 U | 23 U | 28 U | 43 U |
| 4-METHYL-2-PENTANONE | 0.346 | 35.6 | | 10 U | 45 U | 28 U | 43 U |
| SURR 1(TOL) %RECOVERY | | | | 99 | 101 | 102 | 103 |
| SURR 2(BFB) %RECOVERY | | | | 121 | 119 | 113 | 109 |
| SURR 3(DCE) %RECOVERY | | | | 119 | 112 | 103 | 113 |

M/E 50

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN0727887 | IN0727887 | IN0727888 | VBK00727 | IN802074A | IN816014A | IN816025A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | RRF | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | 5 | 7 | 7 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 30500 | 23700 | 27500 | 27300 | 27300 |
| INTERNAL STD AREA(CBZ) | | | 182000 | 142000 | 145000 | 143000 | 143000 |
| INTERNAL STD AREA(DFB) | | | 147000 | 140000 | 134000 | 145000 | 145000 |
| DILUTION FACTOR | | | | 1 | 1 | 0.999 | 1 |
| PERCENT MOISTURE | | | | 0 | 15 | 7 | 10 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | 9(14 D) | 7(14 D) | 7(14 D) |

| AREA | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN816092A | IN816127A | IN816036A | IN816047A | IN816047A | IN816047A | IN816047A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ACETONE | 1700 E | 48 U | 48 | 37 U | 37 U | | |
| BENZENE | 22 U | 24 U | 19 U | 18 U | 151 | 82 | 2 |
| BROMODICHLOROMETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| BROMOFORM | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| BROMOMETHANE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| CARBON DISULFIDE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| CARBON TETRACHLORIDE | 22 U | 24 U | 19 U | 18 U | 18 U | | |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A DRAFT DO NOT CITE

| AREA | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN816092A | IN816127A | IN816036A | IN816047A | IN816047A | IN816047A | IN816047A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| CHLOROBENZENE | 22 U | 24 U | 19 U | 18 U | 201 | 109 | 2 |
| CHLOROETHANE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| CHLOROFORM | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| CHLOROMETHANE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| CIS-1,3-DICHLOROPROPENE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| DIBROMOCHLOROMETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| ETHYLBENZENE | 99 | 24 U | 19 U | 18 U | 18 U | | |
| METHYLENE CHLORIDE | 230 | 45 | 120 | 73 | 79 | | |
| STYRENE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| TETRACHLOROETHENE | 30 | 24 U | 19 U | 18 U | 18 U | | |
| TOLUENE | 240 | 24 U | 19 U | 18 U | 176 | 96 | 26 * |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| TRICHLOROETHENE | 22 U | 24 U | 19 U | 18 U | 199 | 108 | 5 |
| VINYL ACETATE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| VINYL CHLORIDE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| XYLENE (TOTAL) | 1200 | 13 J | 19 U | 18 U | 18 U | | |
| 1,1-DICHLOROETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,1-DICHLOROETHENE | 22 U | 24 U | 19 U | 18 U | 135 | 73 | -20 |
| 1,1,1-TRICHLOROETHANE | 220 | 93 | 41 | 53 | 92 | | |
| 1,1,2-TRICHLOROETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,1,2,2-TETRACHLOROETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,2-DICHLOROETHANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,2-DICHLOROPROPANE | 22 U | 24 U | 19 U | 18 U | 18 U | | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 400 | 240 | 38 U | 37 U | 37 U | | |
| 2-HEXANONE | 44 U | 48 U | 38 U | 37 U | 37 U | | |
| 4-METHYL-2-PENTANONE | 1000 E | 48 U | 38 U | 37 U | 37 U | | |
| SURR 1(TOL) %RECOVERY | 104 | 101 | 107 | 100 | 104 | | |
| SURR 2(BFB) %RECOVERY | 103 | 109 | 117 | 110 | 120 | | |
| SURR 3(DCE) %RECOVERY | 101 | 111 | 99 | 96 | 109 | | |

M/E 50
M/E 75
M/E 95
M/E 96

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

DRAFT DO NOT CITE

| AREA | | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | MATRIX | MS % | RPD |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | SPIKE | RECOVERY | |
| SAMPLE NUMBER | IN816092A | IN816127A | IN816036A | IN816047A | IN816047A | IN816047A | IN816047A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | % |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 35400 | 34200 | 34900 | 36100 | 26000 | | |
| INTERNAL STD AREA(CBZ) | 148000 | 168000 | 139000 | 159000 | 137000 | | |
| INTERNAL STD AREA(DFB) | 160000 | 173000 | 158000 | 155000 | 127000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | | |
| PERCENT MOISTURE | 12 | 19 | 5 | 3 | 3 | | |
| ACTUAL(ALLOWED) HOLD TIME | 6(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | | |

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN816047A | IN816047A | IN816058A | IN816069A | IN816081A | IN816105A | IN816116A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ACETONE | 37 U | | 34 U | 1200 E | 170 | 37 U | 490 |
| BENZENE | 147 | 80 | 17 U | 22 U | 20 U | 18 U | 20 U |
| BROMODICHLOROMETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| BROMOFORM | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| BROMOMETHANE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| CARBON DISULFIDE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| CARBON TETRACHLORIDE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| CHLOROBENZENE | 197 | 107 | 17 U | 22 U | 20 U | 18 U | 20 U |
| CHLOROETHANE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| CHLOROFORM | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN816047A | IN816047A | IN816058A | IN816069A | IN816081A | IN816105A | IN816116A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| CHLOROMETHANE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| CIS-1,3-DICHLOROPROPENE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| DIBROMOCHLOROMETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| ETHYLBENZENE | 18 U | | 17 U | 22 U | 5 J | 18 U | 20 U |
| METHYLENE CHLORIDE | 63 | | 60 | 400 | 330 | 45 | 74 |
| STYRENE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| TETRACHLOROETHENE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| TOLUENE | 137 | 74 | 3 J | 22 U | 8 J | 18 U | 20 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| TRICHLOROETHENE | 190 | 103 | 17 U | 22 U | 20 U | 18 U | 20 U |
| VINYL ACETATE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| VINYL CHLORIDE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| XYLENE (TOTAL) | 18 U | | 17 U | 22 U | 26 | 18 U | 39 |
| 1,1-DICHLOROETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,1-DICHLOROETHENE | 163 | 89 | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,1,1-TRICHLOROETHANE | 63 | | 28 | 19 J | 15 J | 18 U | 14 J |
| 1,1,2-TRICHLOROETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,1,2,2-TETRACHLOROETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,2-DICHLOROETHANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,2-DICHLOROPROPANE | 18 U | | 17 U | 22 U | 20 U | 18 U | 20 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 37 U | | 34 U | 590 | 62 | 37 U | 450 |
| 2-HEXANONE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| 4-METHYL-2-PENTANONE | 37 U | | 34 U | 44 U | 40 U | 37 U | 40 U |
| SURR 1(TOL) %RECOVERY | 85 | | 104 | 92 | 93 | 95 | 102 |
| SURR 2(BFB) %RECOVERY | 110 | | 100 | 114 | 117 | 107 | 96 |
| SURR 3(DCE) %RECOVERY | 111 | | 104 | 116 | 89 | 106 | 86 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MATRIX SPIKE | MSD % | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | DUPLICATE | RECOVERY | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | IN816047A | IN816047A | IN816058A | IN816069A | IN816081A | IN816105A | IN816116A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | % | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 30800 | | 33000 | 32200 | 28300 | 35100 | 36400 |
| INTERNAL STD AREA(CBZ) | 170000 | | 141000 | 164000 | 121000 | 176000 | 160000 |
| INTERNAL STD AREA(DFB) | 150000 | | 147000 | 162000 | 124000 | 166000 | 153000 |
| DILUTION FACTOR | 1 | | 0.999 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 3 | | 2 | 18 | 11 | 3 | 10 |
| ACTUAL(ALLOWED) HOLD TIME | 7(14 D) | | 6(14 D) | 7(14 D) | 7(14 D) | 6(14 D) | 7(14 D) |

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | MATRIX |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | BURN PITS | SPIKE |
| SAMPLE NUMBER | IN0728885 | IN0728887 | IN0728887 | IN0728888 | VBK00728 | IN814136C | IN814136C |
| MATRIX | WATER | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | % | RRF | % | AREA | UG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 7 | 7 |
| ACETONE | | 0.48 | -3.4 | | 10 U | 50 | 10 U |
| BENZENE | | 0.819 | 4.5 | | 5 U | 5 U | 45 |
| BROMODICHLOROMETHANE | | 0.762 | 13 | | 5 U | 5 U | 5 U |
| BROMOFORM | | 0.539 | 9.6 | | 5 U | 5 U | 5 U |
| BROMOMETHANE | | 1.302 | -6 | | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | | 2.615 | -7.7 | | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | | 0.711 | 5.5 | | 5 U | 5 U | 5 U |
| CHLOROBENZENE | | 1.017 | 14.3 | | 5 U | 5 U | 52 |
| CHLOROETHANE | | 0.579 | 4 | | 10 U | 10 U | 10 U |
| CHLOROFORM | | 3.333 | 15.3 | | 5 U | 5 U | 5 U |
| CHLOROMETHANE | | 0.714 | 8.1 | | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | 0.497 | 12.5 | | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | | 0.733 | 10.2 | | 5 U | 5 U | 5 U |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | TAN/WRRTF | MATRIX |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | BURN PITS | SPIKE |
| SAMPLE NUMBER | IN0728885 | IN0728887 | IN0728887 | IN0728888 | VBK00728 | IN814136C | IN814136C |
| MATRIX | WATER | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| UNITS | % | RRF | % | AREA | UG/KG | UG/L | UG/L |
| ENV PROBLEM NO | | | | | | 7 | 7 |
| ETHYLBENZENE | | 0.509 | 10.9 | | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | | 1.018 | 27.6 | | 4 J | 17 B | 11 B |
| STYRENE | | 0.92 | 13.1 | | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | | 0.648 | 7.6 | | 5 U | 5 U | 5 U |
| TOLUENE | | 0.617 | 14.3 | | 5 U | 5 U | 5 |
| TOLUENE-D8 | | 1.091 | 5.4 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.411 | 7.8 | | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | | 0.609 | 3.9 | | 5 U | 5 U | 47 |
| VINYL ACETATE | | 0.25 | 0 | | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | | 0.9 | 14.5 | | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | | 0.553 | 16 | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | | 2.375 | 10.5 | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | | 1.193 | -0.7 | | 5 U | 5 U | 45 |
| 1,1,1-TRICHLOROETHANE | | 0.816 | 9.4 | | 2 J | 3 BJ | 5 U |
| 1,1,2-TRICHLOROETHANE | | 0.383 | 5 | | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.471 | 8.7 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | | 2.687 | 9.5 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | 2.164 | 7.4 | | | | |
| 1,2-DICHLOROETHENE | | 1.374 | 13.7 | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | | 0.334 | 5.7 | | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | 0.853 | 2.8 | | | | |
| 2-BUTANONE | | 0.033 | -17.9 | | 40 | 10 U | 10 U |
| 2-HEXANONE | | 0.275 | 2.8 | | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | | 0.351 | 2.2 | | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | | | 101 | 103 | 90 |
| SURR 2(BFB) %RECOVERY | | | | | 101 | 99 | 90 |
| SURR 3(DCE) %RECOVERY | | | | | 97 | 108 | 108 |
| M/E 50 | 24 | | | | | | |
| M/E 75 | 55 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 6.7 | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 91 | | | | | | |
| M/E 175-1 | 6.6 | | | | | | |
| M/E 175-2 | 7.2 | | | | | | |
| M/E 176-1 | 91 | | | | | | |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

| AREA | QA | QA | QA | QA | QA | | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | TAN/WRRTF BURN PITS | MATRIX SPIKE |
| TYPE OF LOCATION | IN0728885 | IN0728887 | IN0728887 | IN0728888 | VBK00728 | IN814136C | IN814136C |
| SAMPLE NUMBER | WATER | SOIL | SOIL | SOIL | SOIL | WATER | WATER |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/L | UG/L |
| UNITS | | | | | | 7 | 7 |
| ENV PROBLEM NO | | | | | | | |
| M/E 176-2 | 100 | | | | | | |
| M/E 177-1 | 6.4 | | | | | | |
| M/E 177-2 | 7 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 43200 | 48900 | 41200 | 40700 |
| INTERNAL STD AREA(CBZ) | | | | 196000 | 220000 | 207000 | 205000 |
| INTERNAL STD AREA(DFB) | | | | 186000 | 223000 | 220000 | 196000 |
| DILUTION FACTOR | | | | | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 14(14 D) | 14(14 D) |

| AREA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | IN814136C | IN814136C | IN814136C | IN814136C | IN816218B | IN817173B |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | % | % | UG/L | % | UG/L | UG/L |
| UNITS | 7 | 7 | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | |
| ACETONE | | | 10 U | | 10 U | 10 U |
| BENZENE | 91 | 0 | 45 | 91 | 5 U | 5 U |
| BROMODICHLOROMETHANE | | | 5 U | | 5 U | 5 U |
| BROMOFORM | | | 5 U | | 5 U | 5 U |
| BROMOMETHANE | | | 10 U | | 10 U | 10 U |
| CARBON DISULFIDE | | | 5 U | | 5 U | 5 U |
| CARBON TETRACHLORIDE | | | 5 U | | 5 U | 5 U |
| CHLOROBENZENE | 104 | 1 | 52 | 103 | 5 U | 5 U |
| CHLOROETHANE | | | 10 U | | 10 U | 10 U |
| CHLOROFORM | | | 5 U | | 5 U | 5 U |
| CHLOROMETHANE | | | 10 U | | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | | | 5 U | | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | | | 5 U | | 5 U | 5 U |
| ETHYLBENZENE | | | 5 U | | 5 U | 5 U |
| METHYLENE CHLORIDE | | | 12 B | | 6 B | 5 B |
| STYRENE | | | 5 U | | 5 U | 5 U |

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | | | | | | |
| SAMPLE NUMBER | IN814136C | IN814136C | IN814136C | IN814136C | IN816218B | IN817173B |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | % | % | UG/L | % | UG/L | UG/L |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | 7 |
| TETRACHLOROETHENE | | | 5 U | | 5 U | 5 U |
| TOLUENE | 5 * | 5 | 5 | 5 * | 2 J | 5 U |
| TOLUENE-D8 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | | | 5 U | | 5 U | 5 U |
| TRICHLOROETHENE | 94 | 5 | 45 | 89 | 5 U | 5 U |
| VINYL ACETATE | | | 10 U | | 10 U | 10 U |
| VINYL CHLORIDE | | | 10 U | | 10 U | 10 U |
| XYLENE (TOTAL) | | | 5 U | | 5 U | 5 U |
| 1,1-DICHLOROETHANE | | | 5 U | | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 91 | -5 | 48 | 96 | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | | 2 BJ | | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | | | 5 U | | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | | 5 U | | 5 U | 5 U |
| 1,2-DICHLOROETHANE | | | 5 U | | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | |
| 1,2-DICHLOROETHENE | | | 5 U | | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | | | 5 U | | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | |
| 2-BUTANONE | | | 10 U | | 10 U | 10 U |
| 2-HEXANONE | | | 10 U | | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | | | 10 U | | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | 103 | | 101 | 101 |
| SURR 2(BFB) %RECOVERY | | | 87 | | 92 | 85 * |
| SURR 3(DCE) %RECOVERY | | | 107 | | 101 | 109 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1
M/E 176-2
M/E 177-1
M/E 177-2

TABLE D.6.17 INEL VOLATILE ORGANICS - SDG NUMBER: IN802074A

| AREA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
| TYPE OF LOCATION | IN814136C | IN814136C | IN814136C | IN814136C | IN816218B | IN817173B |
| SAMPLE NUMBER | WATER | WATER | WATER | WATER | WATER | WATER |
| MATRIX | % | % | UG/L | % | UG/L | UG/L |
| UNITS | 7 | 7 | 7 | 7 | 7 | 7 |
| ENV PROBLEM NO | | | | | | |
| INTERNAL STD AREA(BCM) | | | 33200 | | 34500 | 28300 |
| INTERNAL STD AREA(CBZ) | | | 169000 | | 166000 | 147000 |
| INTERNAL STD AREA(DFB) | | | 167000 | | 169000 | 154000 |
| DILUTION FACTOR | | | 1 | | 1 | 1 |
| PERCENT MOISTURE | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | 14(14 D) | | 7(14 D) | 7(14 D) |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0726885 | IN0726887 | IN0726887 | IN0726888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.331 | 14.3 | | 0.377 | 14.2 | |
| BENZENE | | 0.967 | 3.9 | | 0.994 | 2.8 | |
| BROMODICHLOROMETHANE | | 1.362 | 2.2 | | 1.245 | 8.6 | |
| BROMOFORM | | 0.736 | 3.8 | | 0.67 | 8.9 | |
| BROMOMETHANE | | 2.263 | 8.2 | | 2.316 | 2.3 | |
| CARBON DISULFIDE | | 4.117 | 8.5 | | 4.083 | 0.8 | |
| CARBON TETRACHLORIDE | | 1.084 | 2.8 | | 0.967 | 10.8 | |
| CHLOROBENZENE | | 0.941 | 1.9 | | 0.979 | 4.1 | |
| CHLOROETHANE | | 1.029 | 7.4 | | 0.969 | 5.8 | |
| CHLOROFORM | | 3.847 | 9.5 | | 3.436 | 10.7 | |
| CHLOROMETHANE | | 1.176 | 25.9 | | 0.785 | 33.2 | |
| CIS-1,3-DICHLOROPROPENE | | 0.857 | 8.8 | | 0.841 | 1.9 | |
| DIBROMOCHLOROMETHANE | | 1.059 | 2.1 | | 0.936 | 11.6 | |
| ETHYLBENZENE | | 0.407 | 3.7 | | 0.394 | 3.1 | |
| METHYLENE CHLORIDE | | 1.599 | 5.2 | | 1.381 | 13.7 | |
| STYRENE | | 0.83 | 7.9 | | 0.798 | 3.8 | |
| TETRACHLOROETHENE | | 0.482 | 5.7 | | 0.511 | 5.9 | |
| TOLUENE | | 0.669 | 3.9 | | 0.698 | 4.3 | |
| TOLUENE-D8 | | 1.115 | 4.4 | | 1.13 | 1.3 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.536 | 9.2 | | 0.629 | 17.3 | |
| TRICHLOROETHENE | | 0.532 | 6.9 | | 0.477 | 10.4 | |
| VINYL ACETATE | | 0.168 | 49.8 | | 0.654 | 288.8 | |
| VINYL CHLORIDE | | 1.665 | 9.6 | | 1.56 | 6.3 | |
| XYLENE (TOTAL) | | 0.506 | 9.3 | | 0.431 | 14.8 | |
| 1,1-DICHLOROETHANE | | 3.129 | 10.9 | | 3 | 4.1 | |
| 1,1-DICHLOROETHENE | | 1.265 | 5.4 | | 1.221 | 3.5 | |
| 1,1,1-TRICHLOROETHANE | | 1.027 | 2.3 | | 0.925 | 9.9 | |
| 1,1,2-TRICHLOROETHANE | | 0.437 | 2.4 | | 0.411 | 6 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.731 | 8.7 | | 0.893 | 22.2 | |
| 1,2-DICHLOROETHANE | | 2.722 | 12.4 | | 2.5 | 8.1 | |
| 1,2-DICHLOROETHANE-D4 | | 2.571 | 14.5 | | 2.245 | 12.7 | |
| 1,2-DICHLOROETHENE | | 1.247 | 7.2 | | 1.312 | 5.3 | |
| 1,2-DICHLOROPROPANE | | 0.505 | 7.1 | | 0.512 | 1.3 | |
| 1,4-BROMOFLUOROBENZENE | | 1.2 | 3.1 | | 1.083 | 9.7 | |
| 2-BUTANONE | | 0.018 | 13.9 | | 0.031 | 73.8 | |
| 2-HEXANONE | | 0.256 | 17.2 | | 0.577 | 125.1 | |
| 4-METHYL-2-PENTANONE | | 0.415 | 15.4 | | 0.791 | 90.6 | |
| SURR 1(TOL) %RECOVERY | | | | | | | |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0726885 | IN0726887 | IN0726887 | IN0726888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | | | |
| SURR 3(DCE) %RECOVERY | | | | | | | |
| M/E 50 | 17 | | | 18 | | | |
| M/E 75 | 46 | | | 51 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 6.7 | | | 7.1 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 73 | | | 82 | | | |
| M/E 175-1 | 5 | | | 6.3 | | | |
| M/E 175-2 | 6.9 | | | 7.8 | | | |
| M/E 176-1 | 73 | | | 79 | | | |
| M/E 176-2 | 100 | | | 97 | | | |
| M/E 177-1 | 6.3 | | | 6.7 | | | |
| M/E 177-2 | 8.6 | | | 8.4 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 59300 |
| INTERNAL STD AREA(CBZ) | | | | | | | 142000 |
| INTERNAL STD AREA(DFB) | | | | | | | 180000 |
| DILUTION FACTOR | | | | | | | |
| PERCENT MOISTURE | | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TAN/WRRTF | TAN/WRRTF | OMRE | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | BLANK | BURN PITS | BURN PITS | LEACH POND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | VBK07268 | IN815013A | IN815024A | IN806056A | IN815035A | IN815046A | IN815057A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | 7 | 7 | 5 | 7 | 7 | 7 |
| ACETONE | 5 J | 10 U | 19 B | 12 U | 7 BJ | 10 U | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A DRAFT DO NOT CITE

AREA QA

| LOCATION | METHOD BLANK | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | OMRE LEACH POND | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS | TAN/WRRTF BURN PITS |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK07268 | IN815013A | IN815024A | IN806056A | IN815035A | IN815046A | IN815057A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | 7 | 7 | 5 | 7 | 7 | 7 |
| BROMOFORM | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 1 J | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| STYRENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 6 U | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 10 U | 10 U | 10 U | 12 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 | 5 BJ | 4 BJ | 12 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 8 J | 5 BJ | 3 BJ | 12 U | 2 BJ | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 97 | 99 | 99 | 101 | 98 | 102 | 102 |
| SURR 2(BFB) %RECOVERY | 109 | 108 | 108 | 101 | 104 | 104 | 104 |
| SURR 3(DCE) %RECOVERY | 91 | 98 | 93 | 75 | 90 | 91 | 84 |

M/E 50

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

DRAFT DO NOT CITE

| AREA | QA | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD | TAN/WRRTF | TAN/WRRTF | OMRE | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF |
| TYPE OF LOCATION | BLANK | BURN PITS | BURN PITS | LEACH POND | BURN PITS | BURN PITS | BURN PITS |
| SAMPLE NUMBER | VBK07268 | IN815013A | IN815024A | IN806056A | IN815035A | IN815046A | IN815057A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | 7 | 7 | 5 | 7 | 7 | 7 |
| M/E 75 | | | | | | | |
| M/E 95 | | | | | | | |
| M/E 96 | | | | | | | |
| M/E 173-1 | | | | | | | |
| M/E 173-2 | | | | | | | |
| M/E 174 | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 51400 | 52900 | 54800 | 51500 | 57100 | 50000 | 60600 |
| INTERNAL STD AREA(CBZ) | 117000 | 127000 | 119000 | 92100 | 125000 | 108000 | 123000 |
| INTERNAL STD AREA(DFB) | 142000 | 153000 | 145000 | 111000 | 150000 | 135000 | 156000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | | 2 | 3 | 15 | 3 | 3 | 3 |
| ACTUAL(ALLOWED) HOLD TIME | | 8(14 D) | 7(14 D) | 1(14 D) | 7(14 D) | 7(14 D) | 7(14 D) |

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN815068A | IN815079A | IN815080A | IN815091A | IN815104A | IN0727885 | IN0727887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| ACETONE | 12 B | 11 U | 10 U | 5 BJ | 10 U | | 0.216 |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.945 |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.421 |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.806 |
| BROMOMETHANE | 10 U | 11 U | 10 U | 10 U | 10 U | | 2 |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | | 3.364 |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.249 |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A DRAFT DO NOT CITE

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN815068A | IN815079A | IN815080A | IN815091A | IN815104A | IN0727885 | IN0727887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.019 |
| CHLOROETHANE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.913 |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | | 3.322 |
| CHLOROMETHANE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.774 |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.828 |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.201 |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.403 |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.561 |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.752 |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.544 |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.656 |
| TOLUENE-D8 | | | | | | | 1.068 |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.624 |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.558 |
| VINYL ACETATE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.558 |
| VINYL CHLORIDE | 10 U | 11 U | 10 U | 10 U | 10 U | | 1.277 |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.445 |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 2.621 |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.254 |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.095 |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.459 |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.859 |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 2 |
| 1,2-DICHLOROETHANE-D4 | | | | | | | 1.712 |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | | 1.156 |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | | 0.473 |
| 1,4-BROMOFLUOROBENZENE | | | | | | | 1.037 |
| 2-BUTANONE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.019 |
| 2-HEXANONE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.172 |
| 4-METHYL-2-PENTANONE | 10 U | 11 U | 10 U | 10 U | 10 U | | 0.263 |
| SURR 1(TOL) %RECOVERY | 108 | 102 | 103 | 100 | 102 | | |
| SURR 2(BFB) %RECOVERY | 100 | 101 | 96 | 98 | 98 | | |
| SURR 3(DCE) %RECOVERY | 85 | 83 | 80 | 78 | 77 | | |
| M/E 50 | | | | | | 18 | |
| M/E 75 | | | | | | 49 | |
| M/E 95 | | | | | | 100 | |
| M/E 96 | | | | | | 7.2 | |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

| AREA | | | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | TUNED | CONTINUING |
| TYPE OF LOCATION | BURN PITS | BURN PITS | BURN PITS | BURN PITS | BURN PITS | CALIBRATION | CALIBRATION |
| SAMPLE NUMBER | IN815068A | IN815079A | IN815080A | IN815091A | IN815104A | IN0727885 | IN0727887 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 7 | | |
| M/E 173-1 | | | | | | 0 | |
| M/E 173-2 | | | | | | 0 | |
| M/E 174 | | | | | | 52 | |
| M/E 175-1 | | | | | | 4.3 | |
| M/E 175-2 | | | | | | 8.3 | |
| M/E 176-1 | | | | | | 52 | |
| M/E 176-2 | | | | | | 101 | |
| M/E 177-1 | | | | | | 3.3 | |
| M/E 177-2 | | | | | | 6.3 | |
| INTERNAL STD AREA(BCM) | 45400 | 55400 | 55400 | 59000 | 59500 | | |
| INTERNAL STD AREA(CBZ) | 86400 | 111000 | 108000 | 118000 | 115000 | | |
| INTERNAL STD AREA(DFB) | 111000 | 142000 | 140000 | 148000 | 148000 | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | | |
| PERCENT MOISTURE | 4 | 4 | 3 | 3 | 3 | | |
| ACTUAL(ALLOWED) HOLD TIME | 8(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | 7(14 D) | | |

| AREA | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | METHOD | MATRIX |
| TYPE OF LOCATION | CAL %D | SHIFT | BURN PITS | BURN PITS | BURN PITS | BLANK | SPIKE |
| SAMPLE NUMBER | IN0727887 | IN0727888 | IN815115A | IN815126A | IN815171A | VBK07278 | IN815068A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 7 | | 7 |
| ACETONE | 34.8 | | 19 B | 6 BJ | 12 U | 10 U | 10 U |
| BENZENE | 2.2 | | 6 U | 6 U | 6 U | 5 U | 54 |
| BROMODICHLOROMETHANE | 4.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| BROMOFORM | 9.5 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| BROMOMETHANE | 11.6 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| CARBON DISULFIDE | 18.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 15.2 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| CHLOROBENZENE | 8.3 | | 6 U | 6 U | 6 U | 5 U | 56 |
| CHLOROETHANE | 11.3 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| CHLOROFORM | 13.6 | | 6 U | 6 U | 6 U | 5 U | 5 U |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A DRAFT DO NOT CITE

| AREA | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | METHOD | MATRIX |
| TYPE OF LOCATION | CAL %D | SHIFT | BURN PITS | BURN PITS | BURN PITS | BLANK | SPIKE |
| SAMPLE NUMBER | IN0727887 | IN0727888 | IN815115A | IN815126A | IN815171A | VBK07278 | IN815068A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 7 | | 7 |
| CHLOROMETHANE | 34.2 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 3.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 13.5 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| ETHYLBENZENE | 0.9 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 2.4 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| STYRENE | 9.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| TETRACHLOROETHENE | 12.9 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| TOLUENE | 2 | | 6 U | 6 U | 6 U | 5 U | 54 |
| TOLUENE-D8 | 4.2 | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 16.5 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| TRICHLOROETHENE | 4.9 | | 6 U | 6 U | 6 U | 5 U | 53 |
| VINYL ACETATE | 231.7 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| VINYL CHLORIDE | 23.3 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| XYLENE (TOTAL) | 12.1 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 16.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 0.9 | | 6 U | 6 U | 6 U | 5 U | 52 |
| 1,1,1-TRICHLOROETHANE | 6.6 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 4.9 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 17.6 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 26.5 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | 33.4 | | | | | | |
| 1,2-DICHLOROETHENE | 7.3 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 6.4 | | 6 U | 6 U | 6 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | 13.6 | | | | | | |
| 2-BUTANONE | 10.1 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| 2-HEXANONE | 33 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 36.6 | | 11 U | 12 U | 12 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | | | 97 | 98 | 99 | 99 | 100 |
| SURR 2(BFB) %RECOVERY | | | 101 | 100 | 100 | 110 | 103 |
| SURR 3(DCE) %RECOVERY | | | 74 | 72 | 72 | 90 | 88 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

DRAFT DO NOT CITE

| AREA | QA | QA | | | | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | CONTINUING | ISTD RET TIM | TAN/WRRTF | TAN/WRRTF | TAN/WRRTF | METHOD | MATRIX |
| TYPE OF LOCATION | CAL %D | SHIFT | BURN PITS | BURN PITS | BURN PITS | BLANK | SPIKE |
| SAMPLE NUMBER | IN0727887 | IN0727888 | IN815115A | IN815126A | IN815171A | VBK07278 | IN815068A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | AREA | UG/KG | UG/KG | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | 7 | 7 | 7 | | 7 |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | 55800 | 47100 | 49600 | 50200 | | 51800 |
| INTERNAL STD AREA(CBZ) | | 113000 | 97600 | 101000 | 101000 | | 97600 |
| INTERNAL STD AREA(DFB) | | 135000 | 120000 | 123000 | 128000 | | 118000 |
| DILUTION FACTOR | | | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | 13 | 14 | 14 | | 4 |
| ACTUAL(ALLOWED) HOLD TIME | | | 8(14 D) | 8(14 D) | 8(14 D) | | 9(14 D) |

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % | RPD | MATRIX SPIKE | MSD % | OMRE | OMRE | OMRE |
| TYPE OF LOCATION | RECOVERY | | DUPLICATE | RECOVERY | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN815068A | IN815068A | IN815068A | IN815068A | IN806012A | IN806023A | IN806034A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 5 | 5 | 5 |
| ACETONE | | | 10 U | | 11 U | 11 U | 11 U |
| BENZENE | 108 | 16 | 46 | 92 | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| BROMOFORM | | | 5 U | | 5 U | 5 U | 5 U |
| BROMOMETHANE | | | 10 U | | 11 U | 11 U | 11 U |
| CARBON DISULFIDE | | | 5 U | | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | | | 5 U | | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 112 | 9 | 51 | 102 | 5 U | 5 U | 5 U |
| CHLOROETHANE | | | 10 U | | 11 U | 11 U | 11 U |
| CHLOROFORM | | | 5 U | | 5 U | 5 U | 5 U |
| CHLOROMETHANE | | | 10 U | | 11 U | 11 U | 11 U |
| CIS-1,3-DICHLOROPROPENE | | | 5 U | | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | | | 5 U | | 5 U | 5 U | 5 U |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN815068A | IN815068A | IN815068A | IN815068A | IN806012A | IN806023A | IN806034A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 5 | 5 | 5 |
| ETHYLBENZENE | | | 5 U | | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | | | 5 U | | 5 U | 5 U | 5 U |
| STYRENE | | | 5 U | | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | | | 5 U | | 5 U | 5 U | 5 U |
| TOLUENE | 108 | 8 | 50 | 100 | 5 U | 5 U | 5 U |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | | | 5 U | | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 106 | 12 | 47 | 94 | 5 U | 5 U | 5 U |
| VINYL ACETATE | | | 10 U | | 11 U | 11 U | 11 U |
| VINYL CHLORIDE | | | 10 U | | 11 U | 11 U | 11 U |
| XYLENE (TOTAL) | | | 5 U | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 104 | 17 | 44 | 88 | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | | | 5 U | | 5 U | 5 U | 5 U |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | | | 10 U | | 11 U | 11 U | 11 U |
| 2-HEXANONE | | | 10 U | | 11 U | 11 U | 11 U |
| 4-METHYL-2-PENTANONE | | | 10 U | | 11 U | 11 U | 11 U |
| SURR 1(TOL) %RECOVERY | | | 102 | | 99 | 100 | 99 |
| SURR 2(BFB) %RECOVERY | | | 101 | | 104 | 102 | 105 |
| SURR 3(DCE) %RECOVERY | | | 72 | | 73 | 80 | 72 |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174
M/E 175-1
M/E 175-2
M/E 176-1

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN815068A | IN815068A | IN815068A | IN815068A | IN806012A | IN806023A | IN806034A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | % | UG/KG | % | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 7 | 7 | 7 | 7 | 5 | 5 | 5 |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | | | 59400 | | 46000 | 43000 | 48100 |
| INTERNAL STD AREA(CBZ) | | | 95400 | | 65900 | 76400 | 73900 |
| INTERNAL STD AREA(DFB) | | | 119000 | | 79700 | 92200 | 90000 |
| DILUTION FACTOR | | | 1 | | 1 | 1 | 1 |
| PERCENT MOISTURE | | | 4 | | 7 | 8 | 9 |
| ACTUAL(ALLOWED) HOLD TIME | | | 9(14 D) | | 2(14 D) | 1(14 D) | 2(14 D) |

| AREA | | | | | | | |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | | | | |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | IN806067A | IN806078A | IN806090A | | | | |
| MATRIX | SOIL | SOIL | SOIL | | | | |
| UNITS | UG/KG | UG/KG | UG/KG | | | | |
| ENV PROBLEM NO | 5 | 5 | 5 | | | | |
| ACETONE | 12 U | 11 U | 12 U | | | | |
| BENZENE | 6 U | 6 U | 6 U | | | | |
| BROMODICHLOROMETHANE | 6 U | 6 U | 6 U | | | | |
| BROMOFORM | 6 U | 6 U | 6 U | | | | |
| BROMOMETHANE | 12 U | 11 U | 12 U | | | | |
| CARBON DISULFIDE | 6 U | 6 U | 6 U | | | | |
| CARBON TETRACHLORIDE | 6 U | 6 U | 6 U | | | | |
| CHLOROBENZENE | 6 U | 6 U | 6 U | | | | |
| CHLOROETHANE | 12 U | 11 U | 12 U | | | | |
| CHLOROFORM | 6 U | 6 U | 6 U | | | | |
| CHLOROMETHANE | 12 U | 11 U | 12 U | | | | |
| CIS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | | | | |
| DIBROMOCHLOROMETHANE | 6 U | 6 U | 6 U | | | | |
| ETHYLBENZENE | 6 U | 6 U | 6 U | | | | |
| METHYLENE CHLORIDE | 6 U | 6 U | 6 U | | | | |
| STYRENE | 6 U | 6 U | 6 U | | | | |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A DRAFT DO NOT CITE

AREA

| LOCATION | OMRE | OMRE | OMRE |
|---|---|---|---|
| TYPE OF LOCATION | LEACH POND | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN806067A | IN806078A | IN806090A |
| MATRIX | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | 5 | 5 | 5 |
| TETRACHLOROETHENE | 6 U | 6 U | 6 U |
| TOLUENE | 6 U | 6 U | 6 U |
| TOLUENE-D8 | | | |
| TRANS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U |
| TRICHLOROETHENE | 6 U | 6 U | 6 U |
| VINYL ACETATE | 12 U | 11 U | 12 U |
| VINYL CHLORIDE | 12 U | 11 U | 12 U |
| XYLENE (TOTAL) | 6 U | 6 U | 6 U |
| 1,1-DICHLOROETHANE | 6 U | 6 U | 6 U |
| 1,1-DICHLOROETHENE | 6 U | 6 U | 6 U |
| 1,1,1-TRICHLOROETHANE | 6 U | 6 U | 6 U |
| 1,1,2-TRICHLOROETHANE | 6 U | 6 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | 6 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE | 6 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | | | |
| 1,2-DICHLOROETHENE | 6 U | 6 U | 6 U |
| 1,2-DICHLOROPROPANE | 6 U | 6 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | | | |
| 2-BUTANONE | 12 U | 11 U | 12 U |
| 2-HEXANONE | 12 U | 11 U | 12 U |
| 4-METHYL-2-PENTANONE | 12 U | 11 U | 12 U |
| SURR 1(TOL) %RECOVERY | 99 | 100 | 100 |
| SURR 2(BFB) %RECOVERY | 100 | 97 | 103 |
| SURR 3(DCE) %RECOVERY | 76 | 74 | 74 |
| M/E 50 | | | |
| M/E 75 | | | |
| M/E 95 | | | |
| M/E 96 | | | |
| M/E 173-1 | | | |
| M/E 173-2 | | | |
| M/E 174 | | | |
| M/E 175-1 | | | |
| M/E 175-2 | | | |
| M/E 176-1 | | | |
| M/E 176-2 | | | |
| M/E 177-1 | | | |
| M/E 177-2 | | | |

TABLE D.6.18 INEL VOLATILE ORGANICS - SDG NUMBER: IN806012A

AREA

| | | | |
|---|---|---|---|
| LOCATION | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | IN806067A | IN806078A | IN806090A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG |
| UNITS | 5 | 5 | 5 |
| ENV PROBLEM NO | | | |
| INTERNAL STD AREA(BCM) | 57500 | 55100 | 53800 |
| INTERNAL STD AREA(CBZ) | 101000 | 100000 | 95400 |
| INTERNAL STD AREA(DFB) | 123000 | 123000 | 117000 |
| DILUTION FACTOR | 1 | 1 | 1 |
| PERCENT MOISTURE | 17 | 12 | 15 |
| ACTUAL(ALLOWED) HOLD TIME | 1(14 D) | 2(14 D) | 2(14 D) |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | INITIAL CAL | INITIAL CAL | TUNED | CONTINUING | CONTINUING | ISTD RET TIM |
| TYPE OF LOCATION | CALIBRATION | RRF | % RSD | CALIBRATION | CALIBRATION | CAL %D | SHIFT |
| SAMPLE NUMBER | IN0711885 | IN0711886 | IN0711886 | IN0728885 | IN0728887 | IN0728887 | IN0728888 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | % | RRF | % | AREA |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.331 | 14.3 | | 0.312 | 5.7 | |
| BENZENE | | 0.967 | 3.9 | | 0.972 | 0.6 | |
| BROMODICHLOROMETHANE | | 1.362 | 2.2 | | 1.479 | 8.6 | |
| BROMOFORM | | 0.736 | 3.8 | | 0.707 | 3.9 | |
| BROMOMETHANE | | 2.263 | 8.2 | | 2.115 | 6.5 | |
| CARBON DISULFIDE | | 4.117 | 8.5 | | 4.081 | 0.9 | |
| CARBON TETRACHLORIDE | | 1.084 | 2.8 | | 1.183 | 9.2 | |
| CHLOROBENZENE | | 0.941 | 1.9 | | 0.984 | 4.6 | |
| CHLOROETHANE | | 1.029 | 7.4 | | 0.944 | 8.2 | |
| CHLOROFORM | | 3.847 | 9.5 | | 3.621 | 5.9 | |
| CHLOROMETHANE | | 1.176 | 25.9 | | 0.915 | 22.2 | |
| CIS-1,3-DICHLOROPROPENE | | 0.857 | 8.8 | | 0.953 | 11.3 | |
| DIBROMOCHLOROMETHANE | | 1.059 | 2.1 | | 1.105 | 4.4 | |
| ETHYLBENZENE | | 0.407 | 3.7 | | 0.415 | 2.1 | |
| METHYLENE CHLORIDE | | 1.599 | 5.2 | | 1.407 | 12.1 | |
| STYRENE | | 0.83 | 7.9 | | 0.823 | 0.9 | |
| TETRACHLOROETHENE | | 0.482 | 5.7 | | 0.476 | 1.2 | |
| TOLUENE | | 0.669 | 3.9 | | 0.689 | 3 | |
| TOLUENE-D8 | | 1.115 | 4.4 | | 1.125 | 0.9 | |
| TRANS-1,3-DICHLOROPROPENE | | 0.536 | 9.2 | | 0.723 | 34.9 | |
| TRICHLOROETHENE | | 0.532 | 6.9 | | 0.491 | 7.8 | |
| VINYL ACETATE | | 0.168 | 49.8 | | 0.794 | 371.8 | |
| VINYL CHLORIDE | | 1.665 | 9.6 | | 1.433 | 14 | |
| XYLENE (TOTAL) | | 0.506 | 9.3 | | 0.479 | 5.4 | |
| 1,1-DICHLOROETHANE | | 3.129 | 10.9 | | 2.957 | 5.5 | |
| 1,1-DICHLOROETHENE | | 1.265 | 5.4 | | 1.364 | 7.9 | |
| 1,1,1-TRICHLOROETHANE | | 1.027 | 2.3 | | 1.116 | 8.7 | |
| 1,1,2-TRICHLOROETHANE | | 0.437 | 2.4 | | 0.449 | 2.7 | |
| 1,1,2,2-TETRACHLOROETHANE | | 0.731 | 8.7 | | 0.925 | 26.6 | |
| 1,2-DICHLOROETHANE | | 2.722 | 12.4 | | 2.497 | 8.3 | |
| 1,2-DICHLOROETHANE-D4 | | 2.571 | 14.5 | | 2.169 | 15.6 | |
| 1,2-DICHLOROETHENE | | 1.247 | 7.2 | | 1.143 | 8.3 | |
| 1,2-DICHLOROPROPANE | | 0.505 | 7.1 | | 0.513 | 1.6 | |
| 1,4-BROMOFLUOROBENZENE | | 1.2 | 3.1 | | 1.234 | 2.8 | |
| 2-BUTANONE | | 0.018 | 13.9 | | 0.022 | 23.7 | |
| 2-HEXANONE | | 0.256 | 17.2 | | 0.22 | 14.3 | |
| 4-METHYL-2-PENTANONE | | 0.415 | 15.4 | | 0.348 | 16.1 | |
| SURR 1(TOL) %RECOVERY | | | | | 101 | | |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

| AREA | QA | QA | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT |
| TYPE OF LOCATION | IN0711885 | IN0711886 | IN0711886 | IN0728885 | IN0728887 | IN0728887 | IN0728888 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | % | RRF | % | AREA |
| UNITS | | | | | | | |
| ENV PROBLEM NO | | | | | | | |
| SURR 2(BFB) %RECOVERY | | | | | 103 | | |
| SURR 3(DCE) %RECOVERY | | | | | 84 | | |
| M/E 50 | 17 | | | 16 | | | |
| M/E 75 | 46 | | | 48 | | | |
| M/E 95 | 100 | | | 100 | | | |
| M/E 96 | 6.7 | | | 8.1 | | | |
| M/E 173-1 | 0 | | | 0 | | | |
| M/E 173-2 | 0 | | | 0 | | | |
| M/E 174 | 73 | | | 64 | | | |
| M/E 175-1 | 5 | | | 4.6 | | | |
| M/E 175-2 | 6.9 | | | 7.3 | | | |
| M/E 176-1 | 73 | | | 63 | | | |
| M/E 176-2 | 100 | | | 99 | | | |
| M/E 177-1 | 6.3 | | | 5.1 | | | |
| M/E 177-2 | 8.6 | | | 8.1 | | | |
| INTERNAL STD AREA(BCM) | | | | | | | 35700 |
| INTERNAL STD AREA(CBZ) | | | | | | | 82100 |
| INTERNAL STD AREA(DFB) | | | | | | | 96600 |
| DILUTION FACTOR | | | | | | | 0 |
| PERCENT MOISTURE | | | | | | | 0 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | | |

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD |
| TYPE OF LOCATION | VBK07288 | IN806103A | IN806114A | IN806136A | IN0729885 | IN0729886 | IN0729886 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF | % |
| UNITS | | 5 | 5 | 5 | | | |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 10 U | 12 U | 12 U | 12 U | | 0.465 | 14.6 |
| BENZENE | 5 U | 6 U | 6 U | 6 U | | 0.715 | 2.3 |
| BROMODICHLOROMETHANE | 5 U | 6 U | 6 U | 6 U | | 0.945 | 4 |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A DRAFT DO NOT CITE

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD |
| TYPE OF LOCATION | | | | | | | |
| SAMPLE NUMBER | VBK07288 | IN806103A | IN806114A | IN806136A | IN0729885 | IN0729886 | IN0729886 |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF | % |
| ENV PROBLEM NO | | 5 | 5 | 5 | | | |
| BROMOFORM | 5 U | 6 U | 6 U | 6 U | | 0.854 | 3 |
| BROMOMETHANE | 10 U | 12 U | 12 U | 12 U | | 1.228 | 6.8 |
| CARBON DISULFIDE | 5 U | 6 U | 6 U | 6 U | | 2.538 | 8 |
| CARBON TETRACHLORIDE | 5 U | 6 U | 6 U | 6 U | | 0.822 | 4 |
| CHLOROBENZENE | 5 U | 6 U | 6 U | 6 U | | 0.964 | 2 |
| CHLOROETHANE | 10 U | 12 U | 12 U | 12 U | | 0.567 | 5.5 |
| CHLOROFORM | 5 U | 6 U | 6 U | 6 U | | 2.86 | 3.2 |
| CHLOROMETHANE | 10 U | 12 U | 12 U | 12 U | | 0.563 | 13.2 |
| CIS-1,3-DICHLOROPROPENE | 5 U | 6 U | 6 U | 6 U | | 0.656 | 4.1 |
| DIBROMOCHLOROMETHANE | 5 U | 6 U | 6 U | 6 U | | 0.961 | 3.1 |
| ETHYLBENZENE | 5 U | 6 U | 6 U | 6 U | | 0.438 | 1.7 |
| METHYLENE CHLORIDE | 5 U | 6 U | 6 U | 6 U | | 1.156 | 7.5 |
| STYRENE | 5 U | 6 U | 6 U | 6 U | | 0.938 | 2.7 |
| TETRACHLOROETHENE | 5 U | 6 U | 6 U | 6 U | | 0.517 | 4.3 |
| TOLUENE | 5 U | 6 U | 6 U | 6 U | | 0.631 | 3 |
| TOLUENE-D8 | | | | | | 1.004 | 3.2 |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 6 U | 6 U | 6 U | | 0.441 | 7.3 |
| TRICHLOROETHENE | 5 U | 6 U | 6 U | 6 U | | 0.64 | 21.5 |
| VINYL ACETATE | 10 U | 12 U | 12 U | 12 U | | 0.143 | 132.4 |
| VINYL CHLORIDE | 10 U | 12 U | 12 U | 12 U | | 0.823 | 9.3 |
| XYLENE (TOTAL) | 5 U | 6 U | 6 U | 6 U | | 0.546 | 3.6 |
| 1,1-DICHLOROETHANE | 5 U | 6 U | 6 U | 6 U | | 1.846 | 2.8 |
| 1,1-DICHLOROETHENE | 5 U | 6 U | 6 U | 6 U | | 1.116 | 6 |
| 1,1,1-TRICHLOROETHANE | 5 U | 6 U | 6 U | 6 U | | 0.744 | 5 |
| 1,1,2-TRICHLOROETHANE | 5 U | 6 U | 6 U | 6 U | | 0.43 | 3.5 |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 6 U | 6 U | 6 U | | 0.53 | 56.3 |
| 1,2-DICHLOROETHANE | 5 U | 6 U | 6 U | 6 U | | 2.089 | 3.8 |
| 1,2-DICHLOROETHANE-D4 | | | | | | 1.862 | 7.1 |
| 1,2-DICHLOROETHENE | 5 U | 6 U | 6 U | 6 U | | 1.124 | 3.5 |
| 1,2-DICHLOROPROPANE | 5 U | 6 U | 6 U | 6 U | | 0.301 | 2.7 |
| 1,4-BROMOFLUOROBENZENE | | | | | | 0.891 | 1.8 |
| 2-BUTANONE | 10 U | 12 U | 12 U | 12 U | | 0.035 | 44.4 |
| 2-HEXANONE | 10 U | 12 U | 12 U | 12 U | | 0.43 | 11.8 |
| 4-METHYL-2-PENTANONE | 10 U | 12 U | 12 U | 12 U | | 0.545 | 10.4 |
| SURR 1(TOL) %RECOVERY | 101 | 96 | 97 | 98 | | | |
| SURR 2(BFB) %RECOVERY | 100 | 91 | 90 | 91 | | | |
| SURR 3(DCE) %RECOVERY | 77 | 82 | 74 | 70 | | | |

M/E 50

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

| AREA | QA | | | | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND | OMRE LEACH POND | TUNED CALIBRATION | INITIAL CAL RRF | INITIAL CAL % RSD |
| TYPE OF LOCATION | VBK07288 | IN806103A | IN806114A | IN806136A | IN0729885 | IN0729886 | IN0729886 |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | UG/KG | % | RRF | % |
| UNITS | | 5 | 5 | 5 | | | |
| ENV PROBLEM NO | | | | | | | |
| M/E 75 | | | | | 58 | | |
| M/E 95 | | | | | 100 | | |
| M/E 96 | | | | | 8.2 | | |
| M/E 173-1 | | | | | 0 | | |
| M/E 173-2 | | | | | 0 | | |
| M/E 174 | | | | | 75 | | |
| M/E 175-1 | | | | | 5.9 | | |
| M/E 175-2 | | | | | 7.9 | | |
| M/E 176-1 | | | | | 72 | | |
| M/E 176-2 | | | | | 97 | | |
| M/E 177-1 | | | | | 5.8 | | |
| M/E 177-2 | | | | | 8 | | |
| INTERNAL STD AREA(BCM) | 48700 | 41300 | 38600 | 32600 | | | |
| INTERNAL STD AREA(CBZ) | 90000 | 87200 | 71900 | 61100 | | | |
| INTERNAL STD AREA(DFB) | 112000 | 104000 | 87400 | 74100 | | | |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | | | |
| PERCENT MOISTURE | 0 | 17 | 14 | 21 | | | |
| ACTUAL(ALLOWED) HOLD TIME | | 2(14 D) | 3(14 D) | 3(14 D) | | | |

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | IN0802885 | IN0802887 | IN0802887 | IN0802888 | VBK08028 | IN806147A | IN806158A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 5 | 5 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | | 0.466 | 0.1 | | 10 U | 12 U | 13 U |
| BENZENE | | 0.712 | 0.4 | | 5 U | 6 U | 6 U |
| BROMODICHLOROMETHANE | | 0.936 | 1 | | 5 U | 6 U | 6 U |
| BROMOFORM | | 0.89 | 4.2 | | 5 U | 6 U | 6 U |
| BROMOMETHANE | | 1.298 | 5.8 | | 10 U | 12 U | 13 U |
| CARBON DISULFIDE | | 2.768 | 9.1 | | 5 U | 6 U | 6 U |
| CARBON TETRACHLORIDE | | 0.842 | 2.5 | | 5 U | 6 U | 6 U |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

DRAFT DO NOT CITE

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED | CONTINUING | CONTINUING | ISTD RET TIM | METHOD | OMRE | OMRE |
| TYPE OF LOCATION | CALIBRATION | CALIBRATION | CAL %D | SHIFT | BLANK | LEACH POND | LEACH POND |
| SAMPLE NUMBER | IN0802885 | IN0802887 | IN0802887 | IN0802888 | VBK08028 | IN806147A | IN806158A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| ENV PROBLEM NO | | | | | | 5 | 5 |
| CHLOROBENZENE | | 0.938 | 2.6 | | 5 U | 6 U | 6 U |
| CHLOROETHANE | | 0.612 | 7.9 | | 10 U | 12 U | 13 U |
| CHLOROFORM | | 2.832 | 1 | | 5 U | 6 U | 6 U |
| CHLOROMETHANE | | 0.664 | 18 | | 10 U | 12 U | 13 U |
| CIS-1,3-DICHLOROPROPENE | | 0.635 | 3.1 | | 5 U | 6 U | 6 U |
| DIBROMOCHLOROMETHANE | | 0.942 | 2 | | 5 U | 6 U | 6 U |
| ETHYLBENZENE | | 0.44 | 0.6 | | 5 U | 6 U | 6 U |
| METHYLENE CHLORIDE | | 1.28 | 10.7 | | 5 U | 6 U | 6 U |
| STYRENE | | 0.95 | 1.3 | | 5 U | 6 U | 6 U |
| TETRACHLOROETHENE | | 0.533 | 3.2 | | 5 U | 6 U | 6 U |
| TOLUENE | | 0.622 | 1.4 | | 5 U | 6 U | 6 U |
| TOLUENE-D8 | | 0.972 | 3.2 | | | | |
| TRANS-1,3-DICHLOROPROPENE | | 0.439 | 0.4 | | 5 U | 6 U | 6 U |
| TRICHLOROETHENE | | 0.488 | 23.7 | | 5 U | 6 U | 6 U |
| VINYL ACETATE | | 0.32 | 123.2 | | 10 U | 12 U | 13 U |
| VINYL CHLORIDE | | 0.875 | 6.3 | | 10 U | 12 U | 13 U |
| XYLENE (TOTAL) | | 0.542 | 0.7 | | 5 U | 6 U | 6 U |
| 1,1-DICHLOROETHANE | | 1.84 | 0.3 | | 5 U | 6 U | 6 U |
| 1,1-DICHLOROETHENE | | 1.209 | 8.3 | | 5 U | 6 U | 6 U |
| 1,1,1-TRICHLOROETHANE | | 0.757 | 1.8 | | 5 U | 6 U | 6 U |
| 1,1,2-TRICHLOROETHANE | | 0.398 | 1.3 | | 5 U | 6 U | 6 U |
| 1,1,2,2-TETRACHLOROETHANE | | 0.86 | 62.2 | | 5 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE | | 2.027 | 3 | | 5 U | 6 U | 6 U |
| 1,2-DICHLOROETHANE-D4 | | 1.771 | 4.9 | | | | |
| 1,2-DICHLOROETHENE | | 1.161 | 3.3 | | 5 U | 6 U | 6 U |
| 1,2-DICHLOROPROPANE | | 0.3 | 0.3 | | 5 U | 6 U | 6 U |
| 1,4-BROMOFLUOROBENZENE | | 0.883 | 0.8 | | | | |
| 2-BUTANONE | | 0.038 | 8.1 | | 10 U | 12 U | 13 U |
| 2-HEXANONE | | 0.446 | 3.8 | | 10 U | 12 U | 13 U |
| 4-METHYL-2-PENTANONE | | 0.498 | 8.5 | | 10 U | 12 U | 13 U |
| SURR 1(TOL) %RECOVERY | | 97 | | | 103 | 101 | 102 |
| SURR 2(BFB) %RECOVERY | | 99 | | | 105 | 100 | 102 |
| SURR 3(DCE) %RECOVERY | | 95 | | | 95 | 100 | 99 |
| M/E 50 | 25 | | | | | | |
| M/E 75 | 56 | | | | | | |
| M/E 95 | 100 | | | | | | |
| M/E 96 | 8 | | | | | | |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

| AREA | QA | QA | QA | QA | QA | | |
|---|---|---|---|---|---|---|---|
| LOCATION | TUNED CALIBRATION | CONTINUING CALIBRATION | CONTINUING CAL %D | ISTD RET TIM SHIFT | METHOD BLANK | OMRE LEACH POND | OMRE LEACH POND |
| TYPE OF LOCATION | IN0802885 | IN0802887 | IN0802887 | IN0802888 | VBK08028 | IN806147A | IN806158A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | % | RRF | % | AREA | UG/KG | UG/KG | UG/KG |
| UNITS | | | | | | 5 | 5 |
| ENV PROBLEM NO | | | | | | | |
| M/E 173-1 | 0 | | | | | | |
| M/E 173-2 | 0 | | | | | | |
| M/E 174 | 80 | | | | | | |
| M/E 175-1 | 6.2 | | | | | | |
| M/E 175-2 | 7.7 | | | | | | |
| M/E 176-1 | 80 | | | | | | |
| M/E 176-2 | 100 | | | | | | |
| M/E 177-1 | 5.7 | | | | | | |
| M/E 177-2 | 7.1 | | | | | | |
| INTERNAL STD AREA(BCM) | | | | 17500 | 15900 | 20400 | 14400 |
| INTERNAL STD AREA(CBZ) | | | | 53200 | 48100 | 61900 | 43600 |
| INTERNAL STD AREA(DFB) | | | | 61600 | 57800 | 71500 | 50600 |
| DILUTION FACTOR | | | | 0 | 1 | 1 | 1 |
| PERCENT MOISTURE | | | | 0 | 0 | 20 | 22 |
| ACTUAL(ALLOWED) HOLD TIME | | | | | | 7(14 D) | 7(14 D) |

| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE LEACH POND | OMRE LEACH POND | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | IN807046A | IN807080A | IN807046A | IN807046A | IN807046A | IN807046A | IN807046A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| UNITS | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | |
| ACETONE | 12 U | 11 U | 12 U | | | 12 U | |
| BENZENE | 6 U | 6 U | 51 | 102 | 0 | 51 | 102 |
| BROMODICHLOROMETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| BROMOFORM | 6 U | 6 U | 6 U | | | 6 U | |
| BROMOMETHANE | 12 U | 11 U | 12 U | | | 12 U | |
| CARBON DISULFIDE | 6 U | 6 U | 6 U | | | 6 U | |
| CARBON TETRACHLORIDE | 6 U | 6 U | 6 U | | | 6 U | |
| CHLOROBENZENE | 6 U | 6 U | 54 | 108 | 2 | 55 | 110 |
| CHLOROETHANE | 12 U | 11 U | 12 U | | | 12 U | |
| CHLOROFORM | 6 U | 6 U | 6 U | | | 6 U | |

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

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| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE | OMRE | MATRIX | MS % | RPD | MATRIX SPIKE | MSD % |
| TYPE OF LOCATION | LEACH POND | LEACH POND | SPIKE | RECOVERY | | DUPLICATE | RECOVERY |
| SAMPLE NUMBER | IN807046A | IN807080A | IN807046A | IN807046A | IN807046A | IN807046A | IN807046A |
| MATRIX | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| UNITS | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| ENV PROBLEM NO | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| CHLOROMETHANE | 12 U | 11 U | 12 U | | | 12 U | |
| CIS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | | | 6 U | |
| DIBROMOCHLOROMETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| ETHYLBENZENE | 6 U | 6 U | 6 U | | | 6 U | |
| METHYLENE CHLORIDE | 6 U | 6 U | 6 U | | | 6 U | |
| STYRENE | 6 U | 6 U | 6 U | | | 6 U | |
| TETRACHLOROETHENE | 6 U | 6 U | 6 U | | | 6 U | |
| TOLUENE | 6 U | 6 U | 51 | 102 | 2 | 52 | 104 |
| TOLUENE-D8 | | | | | | | |
| TRANS-1,3-DICHLOROPROPENE | 6 U | 6 U | 6 U | | | 6 U | |
| TRICHLOROETHENE | 6 U | 6 U | 51 | 102 | 2 | 50 | 100 |
| VINYL ACETATE | 12 U | 11 U | 12 U | | | 12 U | |
| VINYL CHLORIDE | 12 U | 11 U | 12 U | | | 12 U | |
| XYLENE (TOTAL) | 6 U | 6 U | 6 U | | | 6 U | |
| 1,1-DICHLOROETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,1-DICHLOROETHENE | 6 U | 6 U | 39 | 78 | 7 | 42 | 84 |
| 1,1,1-TRICHLOROETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,1,2-TRICHLOROETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,1,2,2-TETRACHLOROETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROETHANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROETHANE-D4 | | | | | | | |
| 1,2-DICHLOROETHENE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,2-DICHLOROPROPANE | 6 U | 6 U | 6 U | | | 6 U | |
| 1,4-BROMOFLUOROBENZENE | | | | | | | |
| 2-BUTANONE | 12 U | 11 U | 12 U | | | 12 U | |
| 2-HEXANONE | 12 U | 11 U | 12 U | | | 12 U | |
| 4-METHYL-2-PENTANONE | 12 U | 11 U | 12 U | | | 12 U | |
| SURR 1(TOL) %RECOVERY | 100 | 101 | 100 | | | 98 | |
| SURR 2(BFB) %RECOVERY | 104 | 104 | 104 | | | 105 | |
| SURR 3(DCE) %RECOVERY | 101 | 99 | 102 | | | 105 | |

M/E 50
M/E 75
M/E 95
M/E 96
M/E 173-1
M/E 173-2
M/E 174

TABLE D.6.19 INEL VOLATILE ORGANICS - SDG NUMBER: IN806103A

| AREA | | | QA | QA | QA | QA | QA |
|---|---|---|---|---|---|---|---|
| LOCATION | OMRE LEACH POND | OMRE LEACH POND | MATRIX SPIKE | MS % RECOVERY | RPD | MATRIX SPIKE DUPLICATE | MSD % RECOVERY |
| TYPE OF LOCATION | IN807046A | IN807080A | IN807046A | IN807046A | IN807046A | IN807046A | IN807046A |
| SAMPLE NUMBER | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| MATRIX | UG/KG | UG/KG | UG/KG | % | % | UG/KG | % |
| UNITS | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ENV PROBLEM NO | | | | | | | |
| M/E 175-1 | | | | | | | |
| M/E 175-2 | | | | | | | |
| M/E 176-1 | | | | | | | |
| M/E 176-2 | | | | | | | |
| M/E 177-1 | | | | | | | |
| M/E 177-2 | | | | | | | |
| INTERNAL STD AREA(BCM) | 17900 | 22600 | 14800 | | | 17200 | |
| INTERNAL STD AREA(CBZ) | 55100 | 66600 | 43700 | | | 51500 | |
| INTERNAL STD AREA(DFB) | 63700 | 76600 | 48000 | | | 59400 | |
| DILUTION FACTOR | 1 | 1 | 1 | | | 1 | |
| PERCENT MOISTURE | 19 | 14 | 19 | | | 19 | |
| ACTUAL(ALLOWED) HOLD TIME | 11(14 D) | 8(14 D) | 11(14 D) | | | 11(14 D) | |

TABLE D 6.20 INEL QC TIC VOLATILE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTIOI TIME |
|---|---|---|---|---|---|
| IN301012A | | | | | |
| | IN301089A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.30) | 13 BJ | 11.30 |
| | IN301090A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.29) | 14 BJ | 11.29 |
| | IN505030A | | UNKNOWN( 6.00) | 11 J | 6.00 |
| | IN508011A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.29) | 21 BJ | 11.29 |
| | IN508022A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.32) | 12 BJ | 11.32 |
| | IN805022A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.28) | 12 BJ | 11.28 |
| | VBK06308 | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.32) | 12 J | 11.32 |
| IN401024B | | | | | |
| | INN51013A | 76131 | 1,1,2-TRICHLORD-1,2,2-T(11.76) | 25 J | 11.76 |
| | IN402014A | 76131 | 1,1,2-TRICHLORD-1,2,2-T(11.77) | 31 J | 11.77 |
| | IN402025A | 76131 | 1,1,2-TRICHLORD-1,2,2-T(11.76) | 25 J | 11.76 |
| IN404016B | | | | | |
| | IN523112A | 109999 | TETRAHYDROFURAN( 9.76) | 10 J | 9.76 |
| | IN523112B | 109999 | TETRAHYDROFURAN( 9.76) | 9 JD | 9.76 |
| | IN523112B | | UNKNOWN HC(25.57) | 22 JD | 25.57 |
| | IN523112A | | UNKNOWN HYDROCARBON(25.54) | 29 J | 25.54 |
| | IN523112A | | UNKNOWN HYDROCARBON(32.62) | 53 J | 32.62 |
| | IN523112A | | UNKNOWN(30.76) | 16 J | 30.76 |
| | IN523123A | 109999 | TETRAHYDROFURAN( 9.76) | 14 J | 9.76 |
| | IN523123A | | UNKNOWN(15.49) | 1 J | 15.49 |
| | IN523123A | | UNKNOWN(25.85) | 35 J | 25.85 |
| IN406018A | | | | | |
| | IN523054A | 109-99-9 | TETRAHYDROFURAN( 9.80) | 14 J | 9.80 |
| | IN523065A | 624-9-20 | DIMETHYL DISULFIDE(15.49) | 4 J | 15.49 |
| | IN523065A | 109-99-9 | TETRAHYDROFURAN( 9.80) | 7 J | 9.80 |
| | IN523087A | 109-99-9 | TETRAHYDROFURAN( 9.83) | 5 J | 9.83 |
| | IN523101A | 109-99-9 | TETRAHYDROFURAN( 9.76) | 16 J | 9.76 |
| | IN523101A | | UNKNOWN(26.51) | 3 J | 26.51 |
| | IN523101A | | UNKNOWN(27.20) | 2 J | 27.20 |
| | IN523101A | | UNKNOWN(32.45) | 8 J | 32.45 |
| | IN523101A | | UNKNOWN(33.24) | 11 J | 33.24 |
| | IN523101A | | UNKNOWN(34.04) | 7 J | 34.04 |
| | IN523101A | | UNKNOWN(34.76) | 15 J | 34.76 |
| | IN523101A | | UNKNOWNHC(25.44) | 4 J | 25.44 |
| | IN523101A | | UNKNOWNHC(30.76) | 17 J | 30.76 |
| | IN523101A | | UNKNOWNHC(31.10) | 3 J | 31.10 |
| IN502015A | | | | | |
| | IN502015A | | CG HYDROCARBON(20.72) | 30 J | 20.72 |

TABLE D 6.20 INEL QC TIC VOLATILE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTION TIME |
|---|---|---|---|---|---|
| IN502015A | | | | | |
| | IN502015A | | HYDROCARBON(21.15) | 40 J | 21.15 |
| | IN502015A | | SUBS CYDOHEXANE(18.37) | 47 J | 18.37 |
| | IN502015A | | SUBS CYDOHEXANE(18.80) | 22 J | 18.80 |
| | IN502015A | | SUBS CYDOHEXANE(21.43) | 22 J | 21.43 |
| | IN502015A | | SUBS CYDOHEXANE(21.60) | 24 J | 21.60 |
| | IN502015A | | SUBS CYDOHEXANE(22.22) | 110 J | 22.22 |
| | IN502015A | | UNKNOWN(21.72) | 26 J | 21.72 |
| | IN816070A | 79-92-5 | CAMPHENE(22.42) | 300 J | 22.42 |
| | IN816070A | | PROPYL BENZENE(22.15) | 82 J | 22.15 |
| | IN816070A | | UNKNOWN HYDROCARBON(21.98) | 38 J | 21.98 |
| | IN816070A | 13466-78-9 | 3-CORENE(21.77) | 15000 J | 21.77 |
| IN505052A | | | | | |
| | IN505063A | 75183 | THIOBISMETHANE( 6.00) | 130 J | 6.00 |
| | IN511016A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.32) | 9 BJ | 11.32 |
| | IN511049A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.29) | 10 BJ | 11.29 |
| | IN511050A | 75183 | THIOBISMETHANE( 6.11) | 29 J | 6.11 |
| | IN511050A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.29) | 8 BJ | 11.29 |
| | IN809015A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.33) | 7 BJ | 11.33 |
| | IN809026A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.31) | 7 BJ | 11.31 |
| | IN809037A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.32) | 9 BJ | 11.32 |
| | IN809048A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.32) | 8 BJ | 11.32 |
| | IN819017A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.32) | 11 BJ | 11.32 |
| | IN819028A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.36) | 6 BJ | 11.36 |
| | IN819039A | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.33) | 6 BJ | 11.33 |
| | VBK07068 | 76131 | 1,1,2-TRICHL-1,2,2-TRIF(11.29) | 6 J | 11.29 |
| IN522019A | | | | | |
| | IN520051A | 76-13-1 | 1,1,2-TRICHLORO-1,2,2-T( 7.27) | 46 J | 7.27 |
| | IN522020A | 62016-37-9 | 2,4,6 TRIMETHYLOCTANE(21.72) | 49 J | 21.72 |
| IN801017A | | | | | |
| | IN801039A | | UNKNOWN( 7.47) | 33 J | 7.47 |
| IN802074A | | | | | |
| | IN816025A | 13466-78-9 | 3-CONENE(21.80) | 430 J | 21.80 |
| | IN816092A | | C10 HYDROCARBON(21.82) | 130 J | 21.82 |
| | IN816092A | | C11 HYDROCARBON(21.67) | 360 J | 21.67 |
| | IN816092A | | C13 HYDROCARBON(19.37) | 27 J | 19.37 |
| | IN816092A | | UNKNOWN SUBS. HYDROCARB(19.12) | 31 J | 19.12 |
| | IN816092A | | UNKNOWN(18.87) | 35 J | 18.87 |
| | IN816092A | | UNKNOWN(19.98) | 130 J | 19.98 |
| | IN816092A | | UNKNOWN(21.30) | 5300 J | 21.30 |

TABLE D 6.20 INEL QC TIC VOLATILE ORGANICS BY SDG NUM

| SDG NUM | SMP ID | CAS NUM | ANALYSIS | RESULTS & PREFIX | RETENTIO TIME |
|---|---|---|---|---|---|
| IN802074A | | | | | |
| | IN816092A | 563-80-4 | 3-METHYL-2-BUTANONE(14.80) | 1300 J | 14.80 |
| | IN816127A | 110-43-0 | 2-HEPTANONE(21.28) | 35 J | 21.28 |
| IN806012A | | | | | |
| | IN806034A | | UNKNOWN(25.27) | 5 J | 25.27 |
| | IN815013A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.32) | 6 J | 11.32 |
| | IN815024A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.36) | 5 J | 11.36 |
| | IN815035A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.32) | 5 J | 11.32 |
| | IN815046A | | UNKNOWN(13.91) | 23 J | 13.91 |
| | IN815046A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.36) | 6 J | 11.36 |
| | IN815057A | | UNKNOWN(13.91) | 16 J | 13.91 |
| | IN815068A | 76131 | 1,1,2-TRICHL-1,2,2TRIFL(11.35) | 5 J | 11.35 |
| | IN815080A | | UNKNOWN(13.91) | 17 J | 13.91 |
| | IN815091A | | UNKNOWN(13.91) | 45 J | 13.91 |
| | IN815104A | | UNKNOWN(13.88) | 23 J | 13.88 |
| | IN815171A | | UNKNOWN(13.94) | 9 J | 13.94 |

TABLE D.7 ANALYTICAL DATA SUMMARY FOR TRAVEL BLANKS DRAFT DO NOT CITE

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN01013A | INN04016A | INN05017A | INN07019A | INN08010A | INN14018A | INN19013A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| ACETONE | 10 U | 28 | 30 | 17 | 12 | 25 | 4 J |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 2 JDB | 1 J | 5 U | 5 U | 2 J | 14 | 2 J |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 103 | 97 | 98 | 97 | 99 | 103 | 105 |
| SURR 2(BFB) %RECOVERY | 106 | 92 | 92 | 96 | 93 | 102 | 100 |
| SURR 3(DCE) %RECOVERY | 96 | 99 | 94 | 98 | 95 | 82 | 79 |
| INTERNAL STD AREA(BCM) | 69400 | 69800 | 72400 | 54500 | 67900 | 69100 | 71000 |

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN01013A | INN04016A | INN05017A | INN07019A | INN08010A | INN14018A | INN19013A |
| MATRIX | WATER | WATER | WATER | WATER | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| INTERNAL STD AREA(CBZ) | 227000 | 200000 | 195000 | 149000 | 189000 | 174000 | 174000 |
| INTERNAL STD AREA(DFB) | 272000 | 236000 | 232000 | 179000 | 231000 | 213000 | 226000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PERCENT MOISTURE | 0 | | | | | | |
| ACTUAL(ALLOWED) HOLD TIME | 4(14 D) | 6(14 D) | 3(14 D) | 4(14 D) | 4(14 D) | 6(14 D) | 5(14 D) |

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN23019A | INN25011A | INN26012A | INN16010A | INN35013A | INN30018A | INN39017A |
| MATRIX | WATER | WATER | WATER | SOIL | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| ACETONE | 6 J | 10 U | 10 U | 12 | 7 J | 10 U | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 1 J | 5 U | 9 | 10 | 5 U | 5 U | 5 U |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 2 J | 5 U | 5 U | 5 U |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |

TABLE D.7 ANALYTICAL DATA SUMMARY FOR TRAVEL BLANKS DRAFT DO NOT CITE

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN23019A | INN25011A | INN26012A | INN16010A | INN35013A | INN30018A | INN39017A |
| MATRIX | WATER | WATER | WATER | SOIL | WATER | WATER | WATER |
| UNITS | UG/L | UG/L | UG/L | UG/KG | UG/L | UG/L | UG/L |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 6 | 5 U | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 94 | 100 | 98 | 114 | 100 | 97 | 97 |
| SURR 2(BFB) %RECOVERY | 104 | 96 | 92 | 105 | 101 | 102 | 103 |
| SURR 3(DCE) %RECOVERY | 80 | 84 | 84 | 100 | 104 | 111 | 108 |
| INTERNAL STD AREA(BCM) | 69300 | 74600 | 79700 | 59500 | 49200 | 52900 | 47300 |
| INTERNAL STD AREA(CBZ) | 192000 | 180000 | 196000 | 134000 | 153000 | 129000 | 139000 |
| INTERNAL STD AREA(DFB) | 227000 | 227000 | 241000 | 163000 | 179000 | 147000 | 166000 |
| DILUTION FACTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ACTUAL(ALLOWED) HOLD TIME | 5(14 D) | 4(14 D) | 4(14 D) | 7(14 D) | 8(14 D) | 10(14 D) | 7(14 D) |

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN47017A | INN50012A | INN51013A | INN49019A | INN59011A | INN52014A |
| MATRIX | WATER | WATER | WATER | SOIL | WATER | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/KG | UG/L | UG/KG |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 |
| ACETONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| BENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMODICHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |

TABLE D.7 ANALYTICAL DATA SUMMARY FOR TRAVEL BLANKS DRAFT DO NOT CITE

AREA

| LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
|---|---|---|---|---|---|---|
| TYPE OF LOCATION | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK |
| SAMPLE NUMBER | INN47017A | INN50012A | INN51013A | INN49019A | INN59011A | INN52014A |
| MATRIX | WATER | WATER | WATER | SOIL | WATER | SOIL |
| UNITS | UG/L | UG/L | UG/L | UG/KG | UG/L | UG/KG |
| ENV PROBLEM NO | 99 | 99 | 99 | 99 | 99 | 99 |
| BROMOFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| BROMOMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CARBON DISULFIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CARBON TETRACHLORIDE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CHLOROFORM | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| CHLOROMETHANE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| CIS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| DIBROMOCHLOROMETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ETHYLBENZENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| METHYLENE CHLORIDE | 5 U | 5 U | 5 U | 25 | 6 U | 14 |
| STYRENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TETRACHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TOLUENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRANS-1,3-DICHLOROPROPENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| TRICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| VINYL ACETATE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| VINYL CHLORIDE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| XYLENE (TOTAL) | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-TRICHLOROETHANE | 5 U | 5 U | 5 U | 4 J | 5 U | 5 U |
| 1,1,2-TRICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2,2-TETRACHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROETHENE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-DICHLOROPROPANE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-BUTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-HEXANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-METHYL-2-PENTANONE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| SURR 1(TOL) %RECOVERY | 102 | 102 | 100 | 106 | 98 | 109 |
| SURR 2(BFB) %RECOVERY | 106 | 106 | 112 | 120 | 106 | 113 |
| SURR 3(DCE) %RECOVERY | 104 | 112 | 109 | 104 | 108 | 105 |
| INTERNAL STD AREA(BCM) | 47500 | 44300 | 34400 | 31200 | 57200 | 35100 |
| INTERNAL STD AREA(CBZ) | 134000 | 101000 | 154000 | 155000 | 186000 | |
| INTERNAL STD AREA(DFB) | 156000 | 116000 | 162000 | 179000 | 187000 | |

# Appendix E

# RADIOLOGICAL QC DATA TABLES

# Appendix E

The QC data for radiological (RAD) analysis are presented in this appendix.

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| BLANK | I-129 | 0.00 | 0.00 | | PCI/L | JSE GE WELL | 08SEP1988 | MB |
| IN407019K | I-129 | 50.00 | | | PCI/L | JSE GE WELL | 08SEP1988 | DUP |
| IN407019K | I-129 | 0.52 | -1.90 | | PCI/L | JSE GE WELL | 08SEP1988 | MS |
| RNS2-100A | I-129 | 108.00 | 106.00 | 1.90 | PCI/L | JSE GE WELL | 08SEP1988 | CNTRL |
| BLANK | CS-137 | 4.00 | 0.00 | | PCI/L | ND9900 | 10SEP1988 | MB |
| BLANK | CO-60 | 4.00 | 0.00 | | PCI/L | ND9900 | 10SEP1988 | MB |
| IN519025H | CO-60 | 5.00 | | | PCI/L | ND9900 | 10SEP1988 | DUP |
| IN519025H | CS-137 | 5.00 | | | PCI/L | ND9900 | 10SEP1988 | DUP |
| IN519025H | CE-139 | 42.00 | 37.00 | 14.00 | PCI/L | ND9900 | 10SEP1988 | MS |
| IN519025H | SN-113 | 113.00 | 106.00 | 6.60 | PCI/L | ND9900 | 10SEP1988 | MS |
| IN519025H | CS-137 | 476.00 | 452.00 | 5.30 | PCI/L | ND9900 | 10SEP1988 | MS |
| IN519025H | CO-60 | 495.00 | 498.00 | -0.10 | PCI/L | ND9900 | 10SEP1988 | MS |
| RNS2-69 | CE-139 | 45.00 | 37.00 | 22.00 | PCI/L | ND9900 | 10SEP1988 | CNTRL |
| RNS2-69 | SN-113 | 120.00 | 106.00 | 13.00 | PCI/L | ND9900 | 10SEP1988 | CNTRL |
| RNS2-69 | CS-137 | 520.00 | 452.00 | 15.00 | PCI/L | ND9900 | 10SEP1988 | CNTRL |
| RNS2-69 | CO-60 | 540.00 | 498.00 | 8.40 | PCI/L | ND9900 | 10SEP1988 | CNTRL |
| BLANK | H-3 | 0.00 | 0.00 | | PCI/L | PACKARD | 28JUL1988 | MB |
| RNS2-43B | H-3 | 840000.00 | 860000.00 | -2.30 | PCI/L | PACKARD | 28JUL1988 | CNTRL |
| BLANK | GROSS ALPHA | 0.02 | 0.00 | | PCI/TOT | LB4000 | 21JUL1988 | MB |
| BLANK | GROSS BETA | 0.00 | 0.00 | | PCI/TOT | LB4000 | 21JUL1988 | MB |
| IN520040F | GROSS ALPHA | 5800.00 | | | PCI/KGD | LB4000 | 21JUL1988 | DUP |
| IN520040F | GROSS BETA | 5900.00 | | | PCI/KGD | LB4000 | 21JUL1988 | DUP |
| IN520040F | GROSS ALPHA | 68000.00 | 98000.00 | -30.60 | PCI/KGD | LB4000 | 21JUL1988 | MS |
| IN520040F | GROSS ALPHA | 68000.00 | 98000.00 | -30.60 | PCI/KGD | LB4000 | 21JUL1988 | MS |
| IN520040F | GROSS BETA | 190000.00 | 230000.00 | -17.00 | PCI/KGD | LB4000 | 21JUL1988 | MS |
| RNS2-32 | GROSS ALPHA | 22600.00 | 24800.00 | -8.90 | PCI/L | LB4000 | 21JUL1988 | CNTRL |
| RNS2-32 | GROSS BETA | 56400.00 | 60000.00 | -6.00 | PCI/L | LB4000 | 21JUL1988 | CNTRL |
| RNS2-75F | CS-137 | 295000.00 | 270000.00 | 9.10 | PCI/KGD | ND9900 | 08OCT1988 | CNTRL |
| RNS2-75F | CO-60 | 347000.00 | 346000.00 | 0.20 | PCI/KGD | ND9900 | 08OCT1988 | CNTRL |
| RNS2-75F | Y-88 | 672000.00 | 668000.00 | 0.60 | PCI/KGD | ND9900 | 08OCT1988 | CNTRL |
| IN522020H | SR-TOT | 50.00 | | | PCI/KGD | LB4000 | 23AUG1988 | DUP |
| IN522053G | CS-137 | 70.00 | | | PCI/KGD | ND9900 | 05NOV1988 | DUP |
| IN522053G | CO-60 | 80.00 | | | PCI/KGD | ND9900 | 05NOV1988 | DUP |
| IN522053G | K-40 | 12000.00 | | | PCI/KGD | ND9900 | 05NOV1988 | DUP |
| RNS2-41C | SR-TOT | 160000.00 | 150000.00 | 6.70 | PCI/L | LB4000 | 23AUG1988 | CNTRL |
| RNS2-75F | CS-137 | 290000.00 | 286000.00 | 1.40 | PCI/KGD | ND9900 | 07NOV1988 | CNTRL |
| BLANK | H-3 | 840.00 | 0.00 | | PCI/L | PACKARD | 16SEP1988 | MB |
| IN522020I | H-3 | 1100.00 | | | PCI/KGD | PACKARD | 16SEP1988 | DUP |
| IN522031I | H-3 | 16000.00 | 17000.00 | -5.90 | PCI/KGW | PACKARD | 16SEP1988 | MS |
| RNS2-43B | H-3 | 820000.00 | 860000.00 | -4.60 | PCI/L | PACKARD | 16SEP1988 | CNTRL |
| BLANK | GROSS ALPHA | 0.02 | 0.00 | | PCI/TOT | LB4000 | 15JUL1988 | MB |
| BLANK | GROSS BETA | 0.00 | 0.00 | | PCI/TOT | LB4000 | 15JUL1988 | MB |
| IN504062D | GROSS ALPHA | 0.00 | | | PCI/L | LB4000 | 15JUL1988 | DUP |
| IN504062D | GROSS BETA | 0.00 | | | PCI/L | LB4000 | 15JUL1988 | DUP |
| IN504062D | GROSS ALPHA | 2440.00 | 2492.00 | -2.00 | PCI/L | LB4000 | 15JUL1988 | MS |
| IN504062D | GROSS BETA | 6730.00 | 6060.00 | 11.00 | PCI/L | LB4000 | 15JUL1988 | MS |
| RNS2-32 | GROSS ALPHA | 21900.00 | 24800.00 | -11.60 | PCI/L | LB4000 | 15JUL1988 | CNTRL |
| RNS2-32 | GROSS BETA | 57700.00 | 60000.00 | -3.80 | PCI/L | LB4000 | 15JUL1988 | CNTRL |
| BLANK | I-129 | 0.00 | 0.00 | | PCI/L | JSE GE WELL | 08SEP1988 | MB |
| IN416010K | I-129 | 50.00 | | | PCI/L | JSE GE WELL | 08SEP1988 | DUP |
| IN416010K | I-129 | 0.54 | 0.53 | 1.90 | PCI/L | JSE GE WELL | 08SEP1988 | MS |
| RNS2-100A | I-129 | 104.00 | 106.00 | -1.90 | PCI/L | JSE GE WELL | 08SEP1988 | CNTRL |
| IN516022M | CS-134 | 76.00 | | | PCI/L | ND9900 | 26JUL1988 | DUP |

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| IN516022M | CO-60 | 4.00 | | | PCI/L | ND9900 | 26JUL1988 | DUP |
| IN516022M | RU-106 | 90.00 | | | PCI/L | ND9900 | 26JUL1988 | DUP |
| IN516022M | CS-134 | 10.00 | | | PCI/L | ND9900 | 26JUL1988 | DUP |
| IN516055P | I-131 | 20.00 | | | PCI/L | ND9900 | 16JUL1988 | DUP |
| BLANK | URANIUM-TOT | 0.40 | 0.00 | | UG/TOT | ND9900 | 04AUG1988 | MB |
| BLANK | AM-241 | 0.01 | 0.00 | | PCI/TOT | ND9900 | 09AUG1988 | MB |
| BLANK | TH-228 | 0.00 | 0.00 | | PCI/TOT | ND9900 | 13SEP1988 | MB |
| BLANK | TH-230 | 0.37 | 0.00 | | PCI/TOT | ND9900 | 13SEP1988 | MB |
| BLANK | TH-232 | 0.00 | 0.00 | | PCI/TOT | ND9900 | 13SEP1988 | MB |
| IN516011K | TH-228 | 0.68 | | | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN516011K | TH-230 | 0.00 | | | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN516011K | TH-232 | 0.09 | | | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN516011K | TH-230 | 166.00 | 168.00 | -1.20 | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN516055J | URANIUM-TOT | 2.50 | | | UG/L | ND9900 | 04AUG1988 | DUP |
| IN516055J | AM-241 | 0.35 | | | PCI/L | ND9900 | 09AUG1988 | DUP |
| IN516055J | PU-238 | 29.00 | | | PCI/L | ND9900 | 28JUL1988 | DUP |
| IN516055J | PU-239 | 1.30 | | | PCI/L | ND9900 | 28JUL1988 | DUP |
| IN516055J | URANIUM-TOT | 67.00 | 70.00 | -4.30 | UG/L | ND9900 | 04AUG1988 | MS |
| IN516055J | AM-241 | 84.00 | 113.00 | -26.00 | PCI/L | ND9900 | 09AUG1988 | MS |
| IN516055J | PU-239 | 19.00 | 16.60 | 17.00 | PCI/L | ND9900 | 28JUL1988 | MS |
| RNS1-6A | AM-241 | 20200.00 | 22500.00 | -10.00 | PCI/L | ND9900 | 09AUG1988 | CNTRL |
| RNS2-23 | TH-230 | 8400.00 | 8400.00 | | PCI/L | ND9900 | 13SEP1988 | CNTRL |
| RNS2-65A | URANIUM-TOT | 13400.00 | 13600.00 | -1.50 | UG/L | ND9900 | 04AUG1988 | CNTRL |
| RSN2-19 | PU-239 | 3490.00 | 3080.00 | 13.00 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| BLANK | PU-238 | 0.00 | 0.00 | | PCI/L | ND9900 | 24AUG1988 | MB |
| BLANK | PU-239 | 0.01 | 0.00 | | PCI/L | ND9900 | 24AUG1988 | MB |
| BLANK | H-3 | 0.00 | 0.00 | | PCI/L | PACKARD | 16SEP1988 | MB |
| IN517012L | H-3 | 1700.00 | | | PCI/KGD | PACKARD | 16SEP1988 | DUP |
| IN517023L | H-3 | 18000.00 | 17000.00 | 5.90 | PCI/KGW | CN | 16SEP1988 | MS |
| RNS2-19 | PU-238 | 0.00 | 0.00 | | PCI/L | ND9900 | 24AUG1988 | CNTRL |
| RNS2-19 | PU-239 | 3320.00 | 3082.00 | 7.80 | PCI/L | ND9900 | 24AUG1988 | CNTRL |
| RNS2-43B | H-3 | 820000.00 | 860000.00 | -4.60 | PCI/L | PACKARD | 16SEP1988 | CNTRL |
| BLANK | TH-228 | 0.01 | 0.00 | | PCI/TOT | ND9900 | 28SEP1988 | MB |
| BLANK | TH-230 | 0.30 | 0.00 | | PCI/TOT | ND9900 | 28SEP1988 | MB |
| BLANK | TH-232 | 0.01 | 0.00 | | PCI/TOT | ND9900 | 28SEP1988 | MB |
| IN517056H | TH-228 | 560.00 | | | PCI/KGD | ND9900 | 28SEP1988 | DUP |
| IN517056H | TH-230 | 330.00 | | | PCI/KGD | ND9900 | 28SEP1988 | DUP |
| IN517056H | TH-232 | 640.00 | | | PCI/KGD | ND9900 | 28SEP1988 | DUP |
| RNS2-23 | TH-230 | 9100.00 | 8400.00 | 8.30 | PCI/L | ND9900 | 28SEP1988 | CNTRL |
| IN505029F | CS-137 | 11000.00 | | | PCI/KGD | ND9900 | 10OCT1988 | DUP |
| IN505029F | CS-134 | 430.00 | | | PCI/KGD | ND9900 | 10OCT1988 | DUP |
| IN505029F | CO-60 | 1100.00 | | | PCI/KGD | ND9900 | 10OCT1988 | DUP |
| IN505029F | K-40 | 19000.00 | | | PCI/KGD | ND9900 | 10OCT1988 | DUP |
| IN505029F | EU-155 | 250.00 | | | PCI/KGD | ND9900 | 10OCT1988 | DUP |
| BLANK | GROSS ALPHA | 0.07 | 0.00 | | PCI/TOT | LB4000 | 25JUL1988 | MB |
| BLANK | GROSS BETA | 0.00 | 0.00 | | PCI/TOT | LB4000 | 25JUL1988 | MB |
| IN810018D | GROSS ALPHA | 2700.00 | | | PCI/KGD | LB4000 | 25JUL1988 | DUP |
| IN810018D | GROSS BETA | 5700.00 | | | PCI/KGD | LB4000 | 25JUL1988 | DUP |
| IN810018D | GROSS ALPHA | 51000.00 | 75000.00 | -32.00 | PCI/KGD | LB4000 | 25JUL1988 | MS |
| IN810018D | GROSS BETA | 140000.00 | 170000.00 | -18.00 | PCI/KGD | LB4000 | 25JUL1988 | MS |
| RNS2-32 | GROSS ALPHA | 21000.00 | 24800.00 | -15.00 | PCI/L | LB4000 | 25JUL1988 | CNTRL |
| RNS2-32 | GROSS BETA | 60600.00 | 60000.00 | 1.00 | PCI/L | LB4000 | 25JUL1988 | CNTRL |
| BLANK | SR-TOT | 0.53 | 0.00 | | PCI/L | LB4000 | 20JUL1988 | MB |

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| IN510015F | SR-TOT | 4.20 | | | PCI/L | LB4000 | 20JUL1988 | DUP |
| IN510015F | SR-TOT | 670.00 | 598.00 | 12.00 | PCI/L | LB4000 | 20JUL1988 | MS |
| RNS2-41C | SR-TOT | 160000.00 | 150000.00 | 6.70 | PCI/L | LB4000 | 20JUL1988 | CNTRL |
| IN510059H | H-3 | 180.00 | | | PCI/L | PACKARD | 01AUG1988 | DUP |
| IN510059H | H-3 | 9000.00 | 8600.00 | 4.60 | PCI/L | PACKARD | 01AUG1988 | MS |
| RNS2-43D | H-3 | 840000.00 | 860000.00 | -2.30 | PCI/L | PACKARD | 01AUG1988 | CNTRL |
| BLANK | CS-137 | 0.30 | 0.00 | | PCI/L | ND9900 | 25AUG1988 | MB |
| BLANK | CO-60 | 0.40 | 0.00 | | PCI/L | ND9900 | 25AUG1988 | MB |
| IN507043G | CO-60 | 1.10 | | | PCI/L | ND9900 | 24AUG1988 | DUP |
| IN507043G | CS-137 | 0.10 | | | PCI/L | ND9900 | 24AUG1988 | DUP |
| IN507043G | CE-139 | 43.00 | 43.10 | -0.20 | PCI/L | ND9900 | 26AUG1988 | MS |
| IN507043G | SN-113 | 117.00 | 122.00 | -4.10 | PCI/L | ND9900 | 26AUG1988 | MS |
| IN507043G | CS-137 | 533.00 | 532.00 | 0.20 | PCI/L | ND9900 | 26AUG1988 | MS |
| IN507043G | Y-88 | 221.00 | 204.00 | 8.30 | PCI/L | ND9900 | 26AUG1988 | MS |
| IN507043G | CO-60 | 541.00 | 586.00 | -7.70 | PCI/L | ND9900 | 26AUG1988 | MS |
| RNS2-69 | CE-139 | 39.00 | 36.60 | 6.60 | PCI/L | ND9900 | 25AUG1988 | CNTRL |
| RNS2-69 | SN-113 | 109.00 | 104.00 | 4.80 | PCI/L | ND9900 | 25AUG1988 | CNTRL |
| RNS2-69 | CS-137 | 486.00 | 452.00 | 7.50 | PCI/L | ND9900 | 25AUG1988 | CNTRL |
| RNS2-69 | Y-88 | 205.00 | 173.00 | 18.50 | PCI/L | ND9900 | 25AUG1988 | CNTRL |
| RNS2-69 | CO-60 | 487.00 | 498.00 | -2.20 | PCI/L | ND9900 | 25AUG1988 | CNTRL |
| BLANK | URANIUM-TOT | 0.08 | 0.00 | | UG/TOT | ND9900 | 04AUG1988 | MB |
| BLANK | GROSS BETA | 0.39 | 0.00 | | PCI/TOT | LB4000 | 26JUL1988 | MB |
| BLANK | GROSS ALPHA | 0.05 | 0.00 | | PCI/TOT | LB4000 | 26JUL1988 | MB |
| RNS2-32 | GROSS BETA | 57000.00 | 59200.00 | -3.70 | PCI/L | LB4000 | 26JUL1988 | CNTRL |
| RNS2-32 | GROSS ALPHA | 22000.00 | 24800.00 | -11.00 | PCI/L | LB4000 | 26JUL1988 | CNTRL |
| RNS2-65A | URANIUM-TOT | 12400.00 | 13600.00 | -8.80 | UG/L | ND9900 | 04AUG1988 | CNTRL |
| BLANK | GROSS ALPHA | 0.07 | 0.00 | | PCI/L | LB-4000 | 18JUL1988 | MB |
| BLANK | GROSS BETA | 0.23 | 0.00 | | PCI/L | LB-4000 | 18JUL1988 | MB |
| BLANK | SR-TOT | 0.73 | 0.00 | | PCI/L | LB4000 | 25JUL1988 | MB |
| IN513018J | SR-TOT | 3.70 | | | PCI/L | LB4000 | 25JUL1988 | DUP |
| IN513018J | SR-TOT | 610.00 | 598.00 | 2.00 | PCI/L | LB4000 | 25JUL1988 | MS |
| IN513029J | SR-TOT | 2.60 | | | PCI/L | LB4000 | 25JUL1988 | DUP |
| IN513041H | GROSS ALPHA | 4.00 | | | PCI/L | LB4000 | 18JUL1988 | DUP |
| IN513041H | GROSS BETA | 0.00 | | | PCI/L | LB4000 | 18JUL1988 | DUP |
| IN513041H | GROSS ALPHA | 2200.00 | 2500.00 | -12.00 | PCI/L | LB-4000 | 18JUL1988 | MS |
| IN513041H | GROSS BETA | 5700.00 | 6000.00 | -5.00 | PCI/L | LB-4000 | 18JUL1988 | MS |
| IN513041J | SR-TOT | 1.20 | | | PCI/L | LB4000 | 25JUL1988 | DUP |
| IN513041K | H-3 | 80.00 | | | PCI/L | PACKARD | 01AUG1988 | DUP |
| IN513041K | H-3 | 8000.00 | 8600.00 | -7.00 | PCI/L | PACKARD | 01AUG1988 | MS |
| IN513052J | SR-TOT | 5.20 | | | PCI/L | LB4000 | 25JUL1988 | DUP |
| RNS2-32 | GROSS ALPHA | 25000.00 | 25000.00 | | PCI/L | LB-4000 | 18JUL1988 | CNTRL |
| RNS2-32 | GROSS BETA | 68000.00 | 6000.00 | 13.00 | PCI/L | LB-4000 | 18JUL1988 | CNTRL |
| RNS2-41C | SR-TOT | 150000.00 | 150000.00 | | PCI/L | LB4000 | 25JUL1988 | CNTRL |
| BLANK | AM-241 | -0.01 | 0.00 | | PCI/TOT | ND9900 | 08SEP1988 | MB |
| BLANK | URANIUM-TOT | 0.05 | 0.00 | | UG/TOT | ND9900 | 07SEP1988 | MB |
| IN502060F | AM-241 | 620000.00 | | | PCI/KGD | ND9900 | 08SEP1988 | DUP |
| IN502060F | URANIUM-TOT | 18000.00 | | | UG/KGD | ND9900 | 07SEP1988 | DUP |
| IN502060F | AM-241 | 1080000.00 | 1200000 | -9.00 | PCI/KGD | ND9900 | 21SEP1988 | MS |
| IN502060F | URANIUM-TOT | 250000.00 | 270000.00 | -7.40 | UG/KGD | ND9900 | 07SEP1988 | MS |
| RNS1-6A | AM-241 | 20600.00 | 22500.00 | -8.40 | PCI/L | ND9900 | 08SEP1988 | CNTRL |
| RNS2-65A | URANIUM-TOT | 13000.00 | 13600.00 | -4.40 | UG/L | ND9900 | 07SEP1988 | CNTRL |
| BLANK | CS-137 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 30OCT1988 | MB |
| BLANK | CO-60 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 30OCT1988 | MB |

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| RNS2-75F | CS-137 | 300000.00 | 290000.00 | 3.40 | PCI/KGD | ND9900 | 30OCT1988 | CNTRL |
| RNS2-75F | CO-60 | 340000.00 | 340000.00 | | PCI/KGD | ND9900 | 30OCT1988 | CNTRL |
| RNS2-75F | Y-88 | 600000.00 | 590000.00 | 1.70 | PCI/KGD | ND9900 | 30OCT1988 | CNTRL |
| RNS2-75F | SN-113 | 300000.00 | 290000.00 | 3.40 | PCI/KGD | ND9900 | 30OCT1988 | CNTRL |
| BLANK | CO-60 | 3.00 | 0.00 | | PCI/L | ND9900 | 13SEP1988 | MB |
| BLANK | CS-137 | 3.00 | 0.00 | | PCI/L | ND9900 | 13SEP1988 | MB |
| IN806216G | CS-137 | 3.00 | | | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN806216G | CO-60 | 4.00 | | | PCI/L | ND9900 | 13SEP1988 | DUP |
| IN806216G | CO-60 | 535.00 | 480.00 | 11.50 | PCI/L | ND9900 | 14SEP1988 | MS |
| IN806216G | CS-137 | 518.00 | 450.00 | 15.10 | PCI/L | ND9900 | 14SEP1988 | MS |
| IN806216G | CE-139 | 36.00 | 31.10 | 15.70 | PCI/L | ND9900 | 14SEP1988 | MS |
| IN806216G | SN-113 | 93.00 | 85.40 | 8.90 | PCI/L | ND9900 | 14SEP1988 | MS |
| RNS2-69 | CO-60 | 490.00 | 480.00 | 2.10 | PCI/L | ND9900 | 13SEP1988 | CNTRL |
| RNS2-69 | CS-137 | 480.00 | 450.00 | 6.70 | PCI/L | ND9900 | 13SEP1988 | CNTRL |
| RNS2-69 | CE-139 | 33.00 | 31.10 | 6.10 | PCI/L | ND9900 | 13SEP1988 | CNTRL |
| RNS2-69 | SN-113 | 99.00 | 85.40 | 15.90 | PCI/L | ND9900 | 13SEP1988 | CNTRL |
| RNS2-75F | CS-137 | 290000.00 | 286000.00 | 1.40 | PCI/KGD | ND9900 | 16NOV1988 | CNTRL |
| RNS2-75F | CO-60 | 340000.00 | 344000.00 | 1.20 | PCI/KGD | ND9900 | 16NOV1988 | CNTRL |
| RNS2-75F | Y-88 | 470000.00 | 468000.00 | 0.40 | PCI/KGD | ND9900 | 16NOV1988 | CNTRL |
| RNS2-75F | SN-113 | 240000.00 | 236000.00 | 1.70 | PCI/KGD | ND9900 | 16NOV1988 | CNTRL |
| BLANK | CS-137 | 3.00 | 0.00 | | PCI/L | ND9900 | 27SEP1988 | MB |
| BLANK | CO-60 | 3.00 | 0.00 | | PCI/L | ND9900 | 27SEP1988 | MB |
| IN807104H | CS-137 | 4.00 | | | PCI/L | ND9900 | 14SEP1988 | DUP |
| IN807104H | CO-60 | 4.00 | | | PCI/L | ND9900 | 14SEP1988 | DUP |
| IN807104H | CS-137 | 470.00 | 450.00 | 4.40 | PCI/L | ND9900 | 20SEP1988 | MS |
| IN807104H | CO-60 | 490.00 | 480.00 | 2.10 | PCI/L | ND9900 | 20SEP1988 | MS |
| IN807104H | SN-113 | 83.00 | 85.40 | -2.80 | PCI/L | ND9900 | 20SEP1988 | MS |
| IN807104H | CE-139 | 35.00 | 31.10 | 12.50 | PCI/L | ND9900 | 20SEP1988 | MS |
| RNS2-69 | CS-137 | 480.00 | 450.00 | 6.70 | PCI/L | ND9900 | 21SEP1988 | CNTRL |
| RNS2-69 | CO-60 | 500.00 | 480.00 | 4.20 | PCI/L | ND9900 | 21SEP1988 | CNTRL |
| RNS2-69 | SN-113 | 81.00 | 85.40 | -5.20 | PCI/L | ND9900 | 21SEP1988 | CNTRL |
| RNS2-69 | CE-139 | 28.00 | 31.10 | -10.00 | PCI/L | ND9900 | 21SEP1988 | CNTRL |
| BLANK | CS-137 | 4.00 | 0.00 | | PCI/L | ND9900 | 28JUL1988 | MB |
| BLANK | CO-60 | 4.00 | 0.00 | | PCI/L | ND9900 | 28JUL1988 | MB |
| IN516022M | CE-139 | 39.00 | 36.00 | 8.30 | PCI/L | ND9900 | 28JUL1988 | MS |
| IN516022M | SN-113 | 110.00 | 103.00 | 6.80 | PCI/L | ND9900 | 28JUL1988 | MS |
| IN516022M | CS-137 | 478.00 | 452.00 | 5.80 | PCI/L | ND9900 | 28JUL1988 | MS |
| IN516022M | Y-88 | 197.00 | 189.00 | 4.20 | PCI/L | ND9900 | 28JUL1988 | MS |
| IN516022M | CO-60 | 583.00 | 497.00 | 17.30 | PCI/L | ND9900 | 28JUL1988 | MS |
| IN516055P | CE-139 | 43.00 | 36.00 | 19.40 | PCI/L | ND9900 | 18JUL1988 | MS |
| IN516055P | SN-113 | 105.00 | 103.00 | 1.90 | PCI/L | ND9900 | 18JUL1988 | MS |
| IN516055P | CS-137 | 481.00 | 452.00 | 6.40 | PCI/L | ND9900 | 18JUL1988 | MS |
| IN516055P | Y-88 | 198.00 | 189.00 | 4.80 | PCI/L | ND9900 | 18JUL1988 | MS |
| IN516055P | CO-60 | 531.00 | 497.00 | 6.80 | PCI/L | ND9900 | 18JUL1988 | MS |
| RNS2-69 | CE-139 | 38.00 | 36.00 | 5.60 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| RNS2-69 | SN-113 | 105.00 | 103.00 | 1.90 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| RNS2-69 | CS-137 | 466.00 | 452.00 | 3.10 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| RNS2-69 | Y-88 | 186.00 | 189.00 | -1.60 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| RNS2-69 | CO-60 | 484.00 | 497.00 | -2.60 | PCI/L | ND9900 | 28JUL1988 | CNTRL |
| RNS2-69 | CE-139 | 41.00 | 36.00 | 13.90 | PCI/L | ND9900 | 18JUL1988 | CNTRL |
| RNS2-69 | SN-113 | 117.00 | 103.00 | 13.60 | PCI/L | ND9900 | 18JUL1988 | CNTRL |
| RNS2-69 | CS-137 | 474.00 | 452.00 | 4.90 | PCI/L | ND9900 | 18JUL1988 | CNTRL |
| RNS2-69 | Y-88 | 207.00 | 189.00 | 9.50 | PCI/L | ND9900 | 18JUL1988 | CNTRL |

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| RNS2-69 | CO-60 | 511.00 | 497.00 | 2.80 | PCI/L | ND9900 | 18JUL1988 | CNTRL |
| BLANK | AM-241 | 0.01 | 0.00 | | PCI/TOT | ND9900 | 04NOV1988 | MB |
| BLANK | URANIUM-TOT | 0.04 | 0.00 | | UG/TOT | ND9900 | 02NOV1988 | MB |
| IN515032F | AM-241 | 0.00 | | | PCI/KGD | ND9900 | 04NOV1988 | DUP |
| IN515032F | URANIUM-TOT | 1200.00 | | | UG/KGD | ND9900 | 02NOV1988 | DUP |
| IN515032F | AM-241 | 1490.00 | 1680.00 | -11.00 | PCI/KGD | ND9900 | 04NOV1988 | MS |
| IN515032F | URANIUM-TOT | 6340.00 | 6480.00 | -2.20 | UG/KGD | ND9900 | 02NOV1988 | MS |
| RNS1-6A | AM-241 | 22300.00 | 22500.00 | -0.90 | PCI/L | ND9900 | 04NOV1988 | CNTRL |
| RNS2-65A | URANIUM-TOT | 12900.00 | 13600.00 | -5.10 | UG/L | ND9900 | 02NOV1988 | CNTRL |
| IN512028G | CS-137 | 70.00 | | | PCI/KGD | ND9900 | 14DEC1988 | DUP |
| IN512028G | CO-60 | 80.00 | | | PCI/KGD | ND9900 | 14DEC1988 | DUP |
| IN512028G | K-40 | 14000.00 | | | PCI/KGD | ND9900 | 14DEC1988 | DUP |
| BLANK | SR-TOT | 0.27 | 0.00 | | PCI/TOT | LB4000 | 25OCT1988 | MB |
| BLANK | GROSS BETA | 0.49 | 0.00 | | PCI/TOT | ND9900 | 24OCT1988 | MB |
| BLANK | GROSS ALPHA | 0.05 | 0.00 | | PCI/TOT | LB4000 | 24OCT1988 | MB |
| IN518035I | GROSS BETA | 4500.00 | | | PCI/KGD | LB4000 | 24OCT1988 | DUP |
| IN518035I | GROSS ALPHA | 5200.00 | | | PCI/KGD | LB4000 | 24OCT1988 | DUP |
| IN518035I | GROSS BETA | 120000.00 | 110000.00 | 9.10 | PCI/KGD | ND9900 | 24OCT1988 | MS |
| IN518035I | GROSS ALPHA | 37000.00 | 48600.00 | -23.90 | PCI/KGD | LB4000 | 24OCT1988 | MS |
| IN518035K | SR-TOT | 320.00 | | | PCI/KGD | LB4000 | 25OCT1988 | DUP |
| RNS2-32 | GROSS BETA | 64000.00 | 60000.00 | 6.70 | PCI/L | ND9900 | 24OCT1988 | CNTRL |
| RNS2-32 | GROSS ALPHA | 24000.00 | 24800.00 | -3.20 | PCI/L | LB4000 | 24OCT1988 | CNTRL |
| RNS2-41C | SR-TOT | 150000.00 | 148000.00 | 1.40 | PCI/L | LB4000 | 25OCT1988 | CNTRL |
| BLANK | CS-137 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 27NOV1988 | MB |
| BLANK | CO-60 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 27NOV1988 | MB |
| BLANK | K-40 | 160.00 | 0.00 | | PCI/TOT | ND9900 | 27NOV1988 | MB |
| RNS2-75F | CS-137 | 280000.00 | 284000.00 | -1.40 | PCI/KGD | ND9900 | 29NOV1988 | CNTRL |
| RNS2-75F | CO-60 | 320000.00 | 332000.00 | -3.60 | PCI/KGD | ND9900 | 29NOV1988 | CNTRL |
| RNS2-75F | Y-88 | 300000.00 | 303000.00 | -1.00 | PCI/KGD | ND9900 | 29NOV1988 | CNTRL |
| RNS2-75F | SN-113 | 160000.00 | 158000.00 | 1.30 | PCI/KGD | ND9900 | 29NOV1988 | CNTRL |
| BLANK | H-3 | 500.00 | 0.00 | | PCI/L | 460C | 13OCT1988 | MB |
| BLANK | AM-241 | 0.01 | 0.00 | | PCI/TOT | ND9900 | 04NOV1988 | MB |
| BLANK | URANIUM-TOT | 0.05 | 0.00 | | PCI/TOT | ND9900 | 14DEC1988 | MB |
| BLANK | CO-60 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 19NOV1988 | MB |
| BLANK | CS-137 | 4.00 | 0.00 | | PCI/TOT | ND9900 | 19NOV1988 | MB |
| BLANK | K-40 | 150.00 | 0.00 | | PCI/TOT | ND9900 | 19NOV1988 | MB |
| BLANK | CR-51 | 90.00 | 0.00 | | PCI/TOT | ND9900 | 19NOV1988 | MB |
| IN503016J | CS-137 | 470.00 | 449.00 | 4.70 | PCI/L | ND9900 | 18NOV1988 | MS |
| IN503016J | CO-60 | 474.00 | 480.00 | -1.20 | PCI/L | ND9900 | 18NOV1988 | MS |
| IN503016J | CE-139 | 23.00 | 22.20 | 3.60 | PCI/L | ND9900 | 18NOV1988 | MS |
| IN503016J | SN-113 | 62.00 | 57.10 | 8.60 | PCI/L | ND9900 | 18NOV1988 | MS |
| IN503016J | Y-88 | 97.00 | 99.70 | -2.70 | PCI/L | ND9900 | 18NOV1988 | MS |
| IN503038F | AM-241 | 16.00 | | | PCI/KGD | ND9900 | 04NOV1988 | DUP |
| IN503038F | URANIUM-TOT | 710.00 | | | PCI/KGD | ND9900 | 04NOV1988 | DUP |
| IN503038F | AM-241 | 1200.00 | 1490.00 | -19.50 | PCI/KGD | ND9900 | 04NOV1988 | MS |
| IN503038G | CO-60 | 2900.00 | | | PCI/KGD | ND9900 | 19NOV1988 | DUP |
| IN503038G | CS-137 | 80.00 | | | PCI/KGD | ND9900 | 19NOV1988 | DUP |
| IN503038G | CR-51 | 2000.00 | | | PCI/KGD | ND9900 | 19NOV1988 | DUP |
| IN503038G | K-40 | 12000.00 | | | PCI/KGD | ND9900 | 19NOV1988 | DUP |
| IN503038H | SR-TOT | 14000.00 | | | PCI/KGD | LB4000 | 25OCT1988 | DUP |
| IN503038H | SR-TOT | 79500.00 | 79500.00 | | PCI/KGD | LB4000 | 25OCT1988 | MS |
| IN503050I | H-3 | 17000.00 | | | PCI/L | 460C | 13OCT1988 | DUP |
| IN503050I | URANIUM-TOT | 68.00 | 68.80 | -1.20 | PCI/L | ND9900 | 14DEC1988 | MS |

TABLE E-1 QC RADIOLOGICAL SAMPLE DATA

DRAFT DO NOT CITE

| CONTROL I.D. OR SAMPLE ID | RADIONUCLIDE | VALUE OBTAINED | KNOWN VALUE | "R" VALUE | UNIT OF MEASURE | INSTRUMENT USED | DATE ANALYZED | TYPE OF CONTROL |
|---|---|---|---|---|---|---|---|---|
| IN503050L | H-3 | 24000.00 | 25600.00 | -6.10 | PCI/L | 460C | 13OCT1988 | MS |
| RNS1-6A | AM-241 | 22400.00 | 22500.00 | -0.40 | PCI/L | ND9900 | 04NOV1988 | CNTRL |
| RNS2-43B | H-3 | 860000.00 | 857000.00 | 0.40 | PCI/L | 460C | 13OCT1988 | CNTRL |
| RNS2-65 | URANIUM-TOT | 13000.00 | 13600.00 | -4.40 | PCI/L | ND9900 | 14DEC1988 | CNTRL |
| RNS2-75F | CS-137 | 280000.00 | 284000.00 | -1.40 | PCI/KGD | ND9900 | 19NOV1988 | CNTRL |
| RNS2-75F | CO-60 | 320000.00 | 332000.00 | -3.60 | PCI/KGD | ND9900 | 19NOV1988 | CNTRL |
| RNS2-75F | Y-88 | 290000.00 | 303000.00 | -4.30 | PCI/KGD | ND9900 | 19NOV1988 | CNTRL |
| RNS2-75F | SN-113 | 150000.00 | 158000.00 | -5.10 | PCI/KGD | ND9900 | 19NOV1988 | CNTRL |

Table E.2. LB-4000 Standard Results

(Beta counts only)

| Detector | cpm |
|---|---|
| 1 | 2135 ± 43 |
| 2 | 2142 ± 27 |
| 3 | 2258 ± 49 |
| 4 | 2371 ± 30 |
| 5 | 2410 ± 32 |
| 6 | 2372 ± 40 |
| 7 | 2683 ± 40 |
| 8 | 2569 ± 34 |
| 9 | 2365 ± 37 |
| 10 | 2155 ± 40 |
| 11 | 2514 ± 21 |
| 12 | 2442 ± 34 |

Table E.3. LB-4000 Efficiencies and Backgrounds

(Efficiencies given are for betas only)

Detector 1

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.01 | 1.16 | |
| 07/15/88 | | | 31.82 |
| 07/20/88 | 0.03 | 1.04 | |
| 07/22/88 | | | 31.26 |
| 07/27/88 | 0.04 | 1.00 | |
| 07/29/88 | | | 31.38 |
| 08/03/88 | 0.03 | 1.04 | |
| 08/05/88 | | | 31.15 |
| 08/10/88 | 0.03 | 1.07 | |
| 08/12/88 | | | 32.47 |
| 08/16/88 | 0.04 | 1.08 | |
| 08/19/88 | | | 31.94 |
| 08/23/88 | 0.04 | 1.08 | |
| 08/26/88 | | | 33.25 |
| 08/30/88 | 0.02 | 1.27 | |
| 09/02/88 | | | 31.82 |
| 09/05/88 | 0.05 | 1.09 | |
| 09/09/88 | | | 33.16 |
| 09/13/88 | 0.03 | 1.15 | |
| 09/16/88 | | | 32.36 |
| 09/19/88 | 0.03 | 1.34 | |
| 09/23/88 | | | 32.94 |
| 09/26/88 | 0.02 | 1.24 | |
| 09/30/88 | | | 33.11 |
| 10/03/88 | 0.04 | 1.05 | |
| 10/07/88 | | | 32.43 |
| 10/10/88 | 0.04 | 1.13 | |
| 10/14/88 | | | 32.94 |
| 10/18/88 | 0.03 | 1.13 | |
| 10/21/88 | | | 32.64 |
| 10/25/88 | 0.02 | 1.14 | |
| 10/28/88 | | | 32.01 |
| 11/01/88 | 0.02 | 1.05 | |
| 11/04/88 | | | 32.48 |
| 11/08/88 | 0.03 | 1.05 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 2

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.05 | 1.12 | |
| 07/15/88 | | | 32.89 |
| 07/20/88 | 0.09 | 1.02 | |
| 07/22/88 | | | 31.23 |
| 07/27/88 | 0.06 | 1.00 | |
| 07/29/88 | | | 32.32 |
| 08/03/88 | 0.03 | 0.89 | |
| 08/05/88 | | | 32.12 |
| 08/10/88 | 0.04 | 0.90 | |
| 08/12/88 | | | 32.67 |
| 08/16/88 | 0.05 | 0.89 | |
| 08/19/88 | | | 31.88 |
| 08/23/88 | 0.04 | 0.92 | |
| 08/26/88 | | | 32.59 |
| 08/30/88 | 0.03 | 0.91 | |
| 09/02/88 | | | 32.78 |
| 09/05/88 | 0.05 | 0.92 | |
| 09/09/88 | | | 32.13 |
| 09/13/88 | 0.03 | 0.94 | |
| 09/16/88 | | | 32.38 |
| 09/19/88 | 0.05 | 1.19 | |
| 09/23/88 | | | 32.95 |
| 09/26/88 | 0.04 | 1.07 | |
| 09/30/88 | | | 32.89 |
| 10/03/88 | 0.05 | 0.93 | |
| 10/07/88 | | | 32.60 |
| 10/10/88 | 0.02 | 0.98 | |
| 10/14/88 | | | 32.82 |
| 10/18/88 | 0.03 | 0.87 | |
| 10/21/88 | | | 32.53 |
| 10/25/88 | 0.02 | 1.01 | |
| 10/28/88 | | | 32.37 |
| 11/01/88 | 0.05 | 1.00 | |
| 11/04/88 | | | 32.66 |
| 11/08/88 | 0.02 | 0.87 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 3

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.01 | 1.18 | |
| 07/15/88 | | | 35.00 |
| 07/20/88 | 0.03 | 1.01 | |
| 07/22/88 | | | 35.60 |
| 07/27/88 | 0.04 | 1.00 | |
| 07/29/88 | | | 34.32 |
| 08/03/88 | 0.03 | 0.95 | |
| 08/05/88 | | | 34.31 |
| 08/10/88 | 0.05 | 1.02 | |
| 08/12/88 | | | 35.02 |
| 08/16/88 | 0.02 | 1.01 | |
| 08/19/88 | | | 33.53 |
| 08/23/88 | 0.02 | 1.00 | |
| 08/26/88 | | | 33.23 |
| 08/30/88 | 0.03 | 0.90 | |
| 09/02/88 | | | 34.64 |
| 09/05/88 | 0.02 | 0.97 | |
| 09/09/88 | | | 34.84 |
| 09/13/88 | 0.03 | 1.04 | |
| 09/16/88 | | | 33.61 |
| 09/19/88 | 0.04 | 1.17 | |
| 09/23/88 | | | 34.01 |
| 09/26/88 | 0.32 | 1.10 | |
| 09/30/88 | | | 34.95 |
| 10/03/88 | 0.03 | 1.08 | |
| 10/07/88 | | | 34.58 |
| 10/10/88 | 0.02 | 0.99 | |
| 10/14/88 | | | 34.25 |
| 10/18/88 | 0.03 | 0.98 | |
| 10/21/88 | | | 33.45 |
| 10/25/88 | 0.01 | 1.02 | |
| 10/28/88 | | | 33.56 |
| 11/01/88 | 0.02 | 0.88 | |
| 11/04/88 | | | 33.20 |
| 11/08/88 | 0.02 | 1.02 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 4

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.04 | 0.99 | |
| 07/15/88 | | | 35.75 |
| 07/20/88 | 0.04 | 0.88 | |
| 07/22/88 | | | 36.26 |
| 07/27/88 | 0.05 | 0.80 | |
| 07/29/88 | | | 35.54 |
| 08/03/88 | 0.04 | 0.92 | |
| 08/05/88 | | | 36.28 |
| 08/10/88 | 0.05 | 1.00 | |
| 08/12/88 | | | 36.47 |
| 08/16/88 | 0.03 | 1.02 | |
| 08/19/88 | | | 35.79 |
| 08/23/88 | 0.04 | 1.04 | |
| 08/26/88 | | | 36.22 |
| 08/30/88 | 0.04 | 1.01 | |
| 09/02/88 | | | 35.88 |
| 09/05/88 | 0.06 | 0.95 | |
| 09/09/88 | | | 35.93 |
| 09/13/88 | 0.06 | 0.98 | |
| 09/16/88 | | | 36.12 |
| 09/19/88 | 0.06 | 1.20 | |
| 09/23/88 | | | 36.64 |
| 09/26/88 | 0.05 | 1.03 | |
| 09/30/88 | | | 35.74 |
| 10/03/88 | 0.03 | 0.96 | |
| 10/07/88 | | | 35.25 |
| 10/10/88 | 0.03 | 0.93 | |
| 10/14/88 | | | 35.70 |
| 10/18/88 | 0.03 | 0.90 | |
| 10/21/88 | | | 35.83 |
| 10/25/88 | 0.06 | 0.95 | |
| 10/28/88 | | | 35.23 |
| 11/01/88 | 0.04 | 0.87 | |
| 11/04/88 | | | 35.61 |
| 11/08/88 | 0.03 | 0.93 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 5

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.03 | 1.29 | |
| 07/15/88 | | | 37.17 |
| 07/20/88 | 0.04 | 1.04 | |
| 07/22/88 | | | 37.28 |
| 07/27/88 | 0.03 | 0.89 | |
| 07/29/88 | | | 36.53 |
| 08/03/88 | 0.04 | 1.18 | |
| 08/05/88 | | | 36.38 |
| 08/10/88 | 0.02 | 1.03 | |
| 08/12/88 | | | 36.93 |
| 08/16/88 | 0.04 | 1.21 | |
| 08/19/88 | | | 36.95 |
| 08/23/88 | 0.03 | 1.36 | |
| 08/26/88 | | | 37.01 |
| 08/30/88 | 0.04 | 1.37 | |
| 09/02/88 | | | 36.18 |
| 09/05/88 | 0.02 | 1.31 | |
| 09/09/88 | | | 36.55 |
| 09/13/88 | 0.02 | 1.47 | |
| 09/16/88 | | | 35.55 |
| 09/19/88 | 0.02 | 1.38 | |
| 09/23/88 | | | 36.06 |
| 09/26/88 | 0.02 | 1.15 | |
| 09/30/88 | | | 36.04 |
| 10/03/88 | 0.04 | 1.13 | |
| 10/07/88 | | | 36.60 |
| 10/10/88 | 0.03 | 1.17 | |
| 10/14/88 | | | 36.77 |
| 10/18/88 | 0.03 | 1.01 | |
| 10/21/88 | | | 36.96 |
| 10/25/88 | 0.02 | 1.43 | |
| 10/28/88 | | | 36.15 |
| 11/01/88 | 0.03 | 1.23 | |
| 11/04/88 | | | 35.92 |
| 11/08/88 | 0.02 | 1.70 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 6

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.01 | 0.88 | |
| 07/15/88 | | | 35.15 |
| 07/20/88 | 0.05 | 0.91 | |
| 07/22/88 | | | 36.27 |
| 07/27/88 | 0.02 | 0.80 | |
| 07/29/88 | | | 35.66 |
| 08/03/88 | 0.03 | 0.85 | |
| 08/05/88 | | | 37.04 |
| 08/10/88 | 0.03 | 0.95 | |
| 08/12/88 | | | 36.23 |
| 08/16/88 | 0.02 | 0.91 | |
| 08/19/88 | | | 35.97 |
| 08/23/88 | 0.03 | 0.94 | |
| 08/26/88 | | | 35.64 |
| 08/30/88 | 0.03 | 0.86 | |
| 09/02/88 | | | 35.66 |
| 09/05/88 | 0.02 | 0.84 | |
| 09/09/88 | | | 35.66 |
| 09/13/88 | 0.01 | 0.85 | |
| 09/16/88 | | | 34.95 |
| 09/19/88 | 0.05 | 1.91 | |
| 09/23/88 | | | 35.74 |
| 09/26/88 | 0.03 | 0.91 | |
| 09/30/88 | | | 36.02 |
| 10/03/88 | 0.03 | 0.86 | |
| 10/07/88 | | | 35.80 |
| 10/10/88 | 0.03 | 0.88 | |
| 10/14/88 | | | 35.48 |
| 10/18/88 | 0.03 | 0.92 | |
| 10/21/88 | | | 35.94 |
| 10/25/88 | 0.02 | 0.85 | |
| 10/28/88 | | | 35.16 |
| 11/01/88 | 0.03 | 0.86 | |
| 11/04/88 | | | 37.44 |
| 11/08/88 | 0.02 | 0.91 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 7

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.03 | 1.38 | |
| 07/15/88 | | | 40.58 |
| 07/20/88 | 0.06 | 1.04 | |
| 07/22/88 | | | 41.15 |
| 07/27/88 | 0.04 | 1.25 | |
| 07/29/88 | | | 40.32 |
| 08/03/88 | 0.02 | 1.05 | |
| 08/05/88 | | | 40.66 |
| 08/10/88 | 0.02 | 1.17 | |
| 08/12/88 | | | 40.23 |
| 08/16/88 | 0.03 | 1.04 | |
| 08/19/88 | | | 41.48 |
| 08/23/88 | 0.02 | 1.06 | |
| 08/26/88 | | | 40.37 |
| 08/30/88 | 0.03 | 1.06 | |
| 09/02/88 | | | 41.14 |
| 09/05/88 | 0.03 | 1.22 | |
| 09/09/88 | | | 41.70 |
| 09/13/88 | 0.03 | 1.40 | |
| 09/16/88 | | | 41.21 |
| 09/19/88 | 0.03 | 1.66 | |
| 09/23/88 | | | 40.27 |
| 09/26/88 | 0.02 | 1.50 | |
| 09/30/88 | | | 40.18 |
| 10/03/88 | 0.03 | 1.40 | |
| 10/07/88 | | | 40.25 |
| 10/10/88 | 0.01 | 1.40 | |
| 10/14/88 | | | 39.96 |
| 10/18/88 | 0.02 | 1.36 | |
| 10/21/88 | | | 41.06 |
| 10/25/88 | 0.03 | 1.45 | |
| 10/28/88 | | | 39.69 |
| 11/01/88 | 0.02 | 1.50 | |
| 11/04/88 | | | 40.48 |
| 11/08/88 | 0.03 | 1.42 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 8

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.03 | 1.12 | |
| 07/15/88 | | | 38.75 |
| 07/20/88 | 0.04 | 1.07 | |
| 07/22/88 | | | 39.43 |
| 07/27/88 | 0.03 | 1.15 | |
| 07/29/88 | | | 38.36 |
| 08/03/88 | 0.04 | 1.06 | |
| 08/05/88 | | | 38.72 |
| 08/10/88 | 0.03 | 1.06 | |
| 08/12/88 | | | 39.17 |
| 08/16/88 | 0.04 | 1.17 | |
| 08/19/88 | | | 39.21 |
| 08/23/88 | 0.04 | 1.15 | |
| 08/26/88 | | | |
| 08/30/88 | | | |
| 09/02/88 | | | |
| 09/05/88 | | | |
| 09/09/88 | | | |
| 09/13/88 | | | |
| 09/16/88 | | | |
| 09/19/88 | Detector 8 not operational | | |
| 09/23/88 | from 08/26/88 to 10/10/88 | | |
| 09/26/88 | | | |
| 09/30/88 | | | |
| 10/03/88 | | | |
| 10/07/88 | | | |
| 10/10/88 | | | |
| 10/14/88 | | | 38.88 |
| 10/18/88 | 0.03 | 1.64 | |
| 10/21/88 | | | 38.83 |
| 10/25/88 | 0.03 | 1.63 | |
| 10/28/88 | | | 39.31 |
| 11/01/88 | 0.04 | 1.60 | |
| 11/04/88 | | | 39.07 |
| 11/08/88 | 0.03 | 1.62 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 9

| Date | Alpha Bkg. (cpm) | Beta Bkg. (cpm) | Eff. (%) |
|---|---|---|---|
| 07/12/88 | 0.03 | 0.94 | |
| 07/15/88 | | | 35.91 |
| 07/20/88 | 0.04 | 0.70 | |
| 07/22/88 | | | 35.86 |
| 07/27/88 | 0.04 | 0.71 | |
| 07/29/88 | | | 34.77 |
| 08/03/88 | 0.04 | 0.73 | |
| 08/05/88 | | | 34.73 |
| 08/10/88 | 0.04 | 0.70 | |
| 08/12/88 | | | 35.45 |
| 08/16/88 | 0.04 | 0.77 | |
| 08/19/88 | | | 35.82 |
| 08/23/88 | 0.03 | 0.79 | |
| 08/26/88 | | | 36.09 |
| 08/30/88 | 0.04 | 0.78 | |
| 09/02/88 | | | 35.14 |
| 09/05/88 | 0 | 0.76 | |
| 09/09/88 | | | 36.40 |
| 09/13/88 | 0.02 | 0.79 | |
| 09/16/88 | | | 35.27 |
| 09/19/88 | 0.04 | 1.09 | |
| 09/23/88 | | | 35.67 |
| 09/26/88 | 0.04 | 0.93 | |
| 09/30/88 | | | 35.77 |
| 10/03/88 | 0.04 | 0.80 | |
| 10/07/88 | | | 35.91 |
| 10/10/88 | 0.04 | 0.78 | |
| 10/14/88 | | | 36.78 |
| 10/18/88 | 0.03 | 0.82 | |
| 10/21/88 | | | 36.70 |
| 10/25/88 | 0.03 | 0.79 | |
| 10/28/88 | | | 36.11 |
| 11/01/88 | 0.04 | 0.74 | |
| 11/04/88 | | | 36.70 |
| 11/08/88 | 0.02 | 0.81 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 10

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.04 | 0.66 | |
| 07/15/88 | | | 32.28 |
| 07/20/88 | 0.05 | 0.75 | |
| 07/22/88 | | | 32.78 |
| 07/27/88 | 0.03 | 0.95 | |
| 07/29/88 | | | 31.54 |
| 08/03/88 | 0.03 | 0.62 | |
| 08/05/88 | | | 32.52 |
| 08/10/88 | 0.03 | 0.78 | |
| 08/12/88 | | | 32.24 |
| 08/16/88 | 0.03 | 0.68 | |
| 08/19/88 | | | 32.07 |
| 08/23/88 | 0.03 | 0.71 | |
| 08/26/88 | | | 32.18 |
| 08/30/88 | 0.02 | 0.64 | |
| 09/02/88 | | | 32.66 |
| 09/05/88 | 0.03 | 0.63 | |
| 09/09/88 | | | 32.15 |
| 09/13/88 | 0.02 | 0.82 | |
| 09/16/88 | | | 31.69 |
| 09/19/88 | 0.03 | 1.43 | |
| 09/23/88 | | | 33.09 |
| 09/26/88 | 0.02 | 0.68 | |
| 09/30/88 | | | 32.43 |
| 10/03/88 | 0.02 | 0.61 | |
| 10/07/88 | | | 32.88 |
| 10/10/88 | 0.02 | 0.73 | |
| 10/14/88 | | | 33.21 |
| 10/18/88 | 0.03 | 0.66 | |
| 10/21/88 | | | 33.51 |
| 10/25/88 | 0.02 | 0.63 | |
| 10/28/88 | | | 34.22 |
| 11/01/88 | 0.04 | 0.68 | |
| 11/04/88 | | | 33.06 |
| 11/08/88 | 0.02 | 0.68 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 11

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.03 | 1.00 | |
| 07/15/88 | | | 38.30 |
| 07/20/88 | 0.04 | 0.77 | |
| 07/22/88 | | | 37.95 |
| 07/27/88 | 0.03 | 1.25 | |
| 07/29/88 | | | 37.68 |
| 08/03/88 | 0.03 | 1.06 | |
| 08/05/88 | | | 38.24 |
| 08/10/88 | 0.02 | 0.80 | |
| 08/12/88 | | | 38.27 |
| 08/16/88 | 0.02 | 0.76 | |
| 08/19/88 | | | 38.31 |
| 08/23/88 | 0.04 | 0.75 | |
| 08/26/88 | | | 38.72 |
| 08/30/88 | 0.02 | 0.75 | |
| 09/02/88 | | | 38.24 |
| 09/05/88 | 0.02 | 0.71 | |
| 09/09/88 | | | 38.14 |
| 09/13/88 | 0.05 | 0.79 | |
| 09/16/88 | | | 37.69 |
| 09/19/88 | 0.03 | 0.85 | |
| 09/23/88 | | | 37.54 |
| 09/26/88 | 0.05 | 0.80 | |
| 09/30/88 | | | 37.89 |
| 10/03/88 | 0.04 | 0.80 | |
| 10/07/88 | | | 36.54 |
| 10/10/88 | 0.03 | 0.78 | |
| 10/14/88 | | | 38.03 |
| 10/18/88 | 0.02 | 0.79 | |
| 10/21/88 | | | 38.19 |
| 10/25/88 | 0.04 | 0.80 | |
| 10/28/88 | | | 38.27 |
| 11/01/88 | 0.05 | 0.75 | |
| 11/04/88 | | | 38.57 |
| 11/08/88 | 0.04 | 0.82 | |

Table E.3. LB-4000 Efficiencies and Backgrounds (Cont.)

(Efficiencies given are for betas only)

Detector 12

| Date | Alpha Bkg.(cpm) | Beta Bkg.(cpm) | Eff.(%) |
|---|---|---|---|
| 07/12/88 | 0.06 | 0.96 | 36.01 |
| 07/15/88 | | | |
| 07/20/88 | 0.04 | 0.83 | 36.69 |
| 07/22/88 | | | |
| 07/27/88 | 0.02 | 1.35 | 36.50 |
| 07/29/88 | | | |
| 08/03/88 | 0.04 | 0.83 | 36.31 |
| 08/05/88 | | | |
| 08/10/88 | 0.02 | 0.80 | 36.44 |
| 08/12/88 | | | |
| 08/16/88 | 0.02 | 0.76 | 37.01 |
| 08/19/88 | | | |
| 08/23/88 | 0.03 | 0.73 | 37.58 |
| 08/26/88 | | | |
| 08/30/88 | 0.04 | 0.73 | 37.58 |
| 09/02/88 | | | |
| 09/05/88 | 0.02 | 0.69 | 37.76 |
| 09/09/88 | | | |
| 09/13/88 | 0.02 | 0.67 | 37.38 |
| 09/16/88 | | | |
| 09/19/88 | 0.04 | 0.81 | 37.24 |
| 09/23/88 | | | |
| 09/26/88 | 0.03 | 1.16 | 36.25 |
| 09/30/88 | | | |
| 10/03/88 | 0.03 | 0.76 | 36.01 |
| 10/07/88 | | | |
| 10/10/88 | 0.04 | 0.75 | 37.27 |
| 10/14/88 | | | |
| 10/18/88 | 0.03 | 0.76 | 36.91 |
| 10/21/88 | | | |
| 10/25/88 | 0.03 | 0.74 | 37.68 |
| 10/28/88 | | | |
| 11/01/88 | 0.04 | 0.80 | 37.27 |
| 11/04/88 | | | |
| 11/08/88 | 0.02 | 0.77 | |

Table E.4. ND-9900 Alpha Efficiencies and Backgrounds

(Efficiency in %; background in cpm)

| | 7/88 | | 10/88 | | 11/88 | |
|---|---|---|---|---|---|---|
| Detector | %Eff. | Bkg. | %Eff. | Bkg. | %Eff. | Bkg. |
| 1 | NA | NA | NA | NA | 20 | 0.004 |
| 2 | NA | NA | NA | NA | 17 | 0.009 |
| 3 | NA | NA | NA | NA | 19 | 0.002 |
| 4 | NA | NA | NA | NA | 23 | 0.003 |
| 5 | 14 | 0.005 | 19 | 0.008 | 18 | 0.002 |
| 6 | 18 | 0.015 | 20 | 0.013 | 20 | 0.004 |
| 7 | 20 | 0 | 21 | 0.004 | 21 | 0.007 |
| 8 | 21 | 0.004 | 20 | 0.009 | 23 | 0.004 |
| 9 | NA | 0.005 | 20 | 0.007 | 19 | 0.007 |
| 10 | NA | 0.007 | 22 | 0.011 | 20 | 0.008 |
| 11 | NA | 0.007 | 16 | 0.008 | 21 | 0.009 |
| 12 | NA | 0.003 | 20 | 0.006 | 20 | 0.005 |
| 13 | NA | NA | NA | NA | 20 | 0.005 |
| 14 | NA | NA | NA | NA | 22 | 0.012 |
| 15 | NA | NA | NA | NA | 16 | 0.004 |
| 16 | NA | NA | NA | NA | 20 | 0.004 |

Table E.5. ND-9900 Calibration (July - November 1988)

| Detector | U-236 | (4.50MeV) | Pu-239 | (5.15MeV) | Cm-244 | (5.80MeV) |
|---|---|---|---|---|---|---|
| 1 | 448 ± 0 | (448) | 515 ± 0 | (515) | 581 ± 0 | (581) |
| 2 | 1451 ± 0 | (1451) | 1515 ± 0 | (1515) | 1578 ± 0 | (1578) |
| 3 | 2454 ± 0 | (2454) | 2515 ± 0 | (2515) | 2575 ± 0 | (2575) |
| 4 | 3456 ± 0 | (3456) | 3515 ± 0 | (3515) | 3573 ± 0 | (3573) |
| 5 | 4546 ± 0 | (4546) | 4614 ± 0 | (4614) | 4680 ± 0 | (4680) |
| 6 | 5549 ± 0 | (5549) | 5614 ± 0 | (5614) | 5678 ± 0 | (5678) |
| 7 | 6553 ± 0 | (6553) | 6614 ± 0 | (6614) | 6674 ± 0 | (6674) |
| 8 | 7556 ± 0 | (7556) | 7614 ± 0 | (7614) | 7671 ± 0 | (7671) |
| 9(5) | 447 ± 1 | (447) | 515 ± 0 | (515) | 582 ± 0 | (582) |
| 10(6) | 1451 ± 0 | (1449) | 1515 ± 0 | (1515) | 1578 ± 1 | (1579) |
| 11(7) | 2454 ± 0 | (2453) | 2515 ± 0 | (2515) | 2575 ± 1 | (2576) |
| 12(8) | 3456 ± 1 | (3456) | 3515 ± 0 | (3515) | 3574 ± 1 | (3573) |
| 13(9) | 447 ± 0 | (447) | 515 ± 0 | (515) | 582 ± 0 | (582) |
| 14(10) | 1449 ± 0 | (1451) | 1515 ± 0 | (1515) | 1579 ± 0 | (1578) |
| 15(11) | 2453 ± 0 | (2454) | 2515 ± 0 | (2515) | 2576 ± 0 | (2575) |
| 16(12) | 3456 ± 0 | (3455) | 3515 ± 0 | (3515) | 3573 ± 0 | (3574) |

**NOTE:** The table above consists of channel numbers; data is expressed in terms of actual results (known values); the detector numbers in parentheses are the old detector numbers before the detectors were renumbered in November 1988.

Table E.6. Gamma Standard Results (July - November 1988)*

Detector 1, Std.1

Known decay corrected to 7/1/86 in Bq/L: Cs-137=3372; Co-60=5452.

| Date | 661 keV(Cs-137) | FWHM | 1332 keV(Co-60) | FWHM |
|---|---|---|---|---|
| 07/14/88 | NA | 1.56 | NA | 2.06 |
| 07/21/88 | NA | 1.71 | NA | 2.19 |
| 07/28/88 | NA | 1.76 | NA | 2.17 |
| 08/05/88 | NA | 1.73 | NA | 2.07 |
| 08/11/88 | NA | 1.64 | NA | 2.05 |
| 08/18/88 | NA | 1.61 | NA | 2.09 |
| 08/25/88 | NA | 1.60 | NA | 2.13 |
| 09/01/88 | 3344 | 1.64 | 5488 | 2.07 |
| 09/08/88 | 3343 | 1.67 | 5496 | 2.11 |
| 09/15/88 | 3319 | 1.63 | 5490 | 2.10 |
| 09/22/88 | 3287 | 1.61 | 5479 | 2.06 |
| 09/29/88 | 3403 | 1.69 | 5477 | 2.13 |
| 10/06/88 | 3334 | 1.66 | 5476 | 2.01 |
| 10/13/88 | 3340 | 1.70 | 5540 | 2.11 |
| 10/20/88 | 3423 | 1.70 | 5612 | 2.18 |
| 10/27/88 | 3412 | 1.71 | 5493 | 2.14 |
| 11/03/88 | 3377 | 1.94 | 5559 | 2.29 |

*Results for the daily standard checks are partially unavailable for the time period that INEL samples were counted. The data that are available, however, are given in this table. Detector 6 was not used during the measurement period and no data are given for it.

Table E.6. Gamma Standard Results (July - November 1988) (Continued)

Detector 2, Std.2

Known decay corrected to 7/1/86 in Bq/L: Cs-137=3357; Co-60=5306.

| Date | 661 keV(Cs-137) | FWHM | 1332 keV(Co-60) | FWHM |
|---|---|---|---|---|
| 07/14/88 | NA | NA | NA | NA |
| 07/21/88 | NA | NA | NA | NA |
| 07/28/88 | NA | NA | NA | NA |
| 08/04/88 | NA | NA | NA | NA |
| 08/11/88 | NA | NA | NA | NA |
| 08/18/88 | NA | NA | NA | NA |
| 08/25/88 | NA | NA | NA | NA |
| 09/01/88 | NA | 2.16 | NA | 2.41 |
| 09/08/88 | NA | 2.12 | NA | 2.35 |
| 09/15/88 | NA | 1.95 | NA | 2.28 |
| 09/22/88 | NA | 1.94 | NA | 2.27 |
| 09/28/88 | 3455 | 1.99 | 5417 | 2.28 |
| 10/06/88 | 3340 | 1.94 | 5110 | 2.25 |
| 10/13/88 | 3447 | 1.87 | 5384 | 2.22 |
| 10/20/88 | 3389 | 1.93 | 5399 | 2.27 |
| 10/27/88 | 3238 | 1.94 | 5075 | 2.20 |
| 11/04/88 | 3127 | 2.03 | 4921 | 2.34 |

Table E.6. Gamma Standard Results (July - November 1988) (Continued)

Detector 3, Std.3

Known decay corrected to 7/1/86 in Bq/L: Cs-137=3298; Co-60=5249.

| Date | 661 keV(Cs-137) | FWHM | 1332 keV(Co-60) | FWHM |
|---|---|---|---|---|
| 07/14/88 | NA | 1.60 | NA | 1.97 |
| 07/21/88 | NA | 1.56 | NA | 1.98 |
| 07/28/88 | NA | 1.67 | NA | 1.97 |
| 08/05/88 | NA | 1.54 | NA | 1.94 |
| 08/11/88 | NA | 1.60 | NA | 1.95 |
| 08/18/88 | NA | 1.59 | NA | 1.98 |
| 08/25/88 | NA | 1.60 | NA | 2.02 |
| 09/01/88 | NA | 1.67 | NA | 1.96 |
| 09/08/88 | NA | 1.61 | NA | 1.92 |
| 09/15/88 | NA | 1.60 | NA | 1.96 |
| 09/22/88 | NA | 1.62 | NA | 1.96 |
| 09/29/88 | NA | 1.63 | NA | 1.99 |
| 10/06/88 | 3422 | 1.63 | 5423 | 1.97 |
| 10/14/88 | 3414 | 1.65 | 5439 | 1.96 |
| 10/20/88 | 3403 | 1.54 | 5299 | 2.05 |
| 10/27/88 | 3389 | 1.63 | 5342 | 1.92 |
| 11/03/88 | 3356 | 1.63 | 5364 | 1.98 |

Table E.6. Gamma Standard Results (July - November 1988) (Continued)

Detector 4, Std.4

Known decay corrected to 7/1/86 in Bq/L: Cs-137 = 3155; Co-60 = 5066.

| Date | 661 keV(Cs-137) | FWHM | 1332 keV(Co-60) | FWHM |
|---|---|---|---|---|
| 07/14/88 | NA | 1.52 | NA | 1.98 |
| 07/21/88 | NA | 1.65 | NA | 1.99 |
| 07/28/88 | NA | 1.64 | NA | 2.02 |
| 08/05/88 | NA | 1.63 | NA | 2.03 |
| 08/11/88 | NA | 1.63 | NA | 1.99 |
| 08/18/88 | NA | 1.62 | NA | 1.98 |
| 08/25/88 | NA | 1.65 | NA | 1.99 |
| 09/01/88 | 3195 | 1.50 | 5036 | 2.02 |
| 09/08/88 | 3159 | 1.51 | 5021 | 1.96 |
| 09/15/88 | 3152 | 1.48 | 5131 | 1.91 |
| 09/22/88 | 3204 | 1.62 | 5015 | 2.05 |
| 09/29/88 | 3165 | 1.61 | 5085 | 2.05 |
| 10/06/88 | 3160 | 1.61 | 5029 | 2.06 |
| 10/13/88 | 3401 | 1.61 | 5440 | 1.91 |
| 10/20/88 | 3167 | 1.56 | 5014 | 2.05 |
| 10/27/88 | 3170 | 1.59 | 5109 | 1.99 |
| 11/03/88 | 3155 | 1.46 | 5064 | 2.00 |

Table E.6. Gamma Standard Results (July - November 1988) (Continued)

Detector 5, Std.4

Known decay corrected to 7/1/86 in Bq/L: Cs-137 = 3155; Co-60 = 5066.

| Date | 661 keV(Cs-137) | FWHM | 1332 keV(Co-60) | FWHM |
|---|---|---|---|---|
| 07/14/88 | NA | 1.59 | NA | 1.95 |
| 07/21/88 | NA | 1.58 | NA | 1.93 |
| 07/28/88 | NA | 1.61 | NA | 1.91 |
| 08/05/88 | NA | 1.63 | NA | 1.94 |
| 08/12/88 | NA | 1.60 | NA | 1.90 |
| 08/18/88 | NA | 1.62 | NA | 1.88 |
| 08/25/88 | NA | 1.59 | NA | 1.96 |
| 09/01/88 | NA | NA | NA | NA |
| 09/08/88 | NA | NA | NA | NA |
| 09/15/88 | NA | 1.48 | NA | 1.91 |
| 09/23/88 | NA | 1.61 | NA | 1.96 |
| 09/27/88 | 3209 | 1.62 | 5048 | 1.94 |
| 10/06/88 | 3141 | 1.61 | 5064 | 1.95 |
| 10/14/88 | 3147 | 1.42 | 5039 | 1.89 |
| 10/20/88 | 3155 | 1.43 | 5008 | 1.93 |
| 10/27/88 | 3184 | 1.45 | 5029 | 1.94 |
| 11/03/88 | 2917 | 1.45 | 4664 | 1.90 |

Table E.7. Gamma Detector Backgrounds

Background for Gamma Detector 1

| Peak Energy (keV) | Cts/Sec | %Error |
|---|---|---|
| 90.0 | 9.92E-3 | 11.3 |
| 184.7 | 7.23E-3 | 13.1 |
| 238.7 | 3.54E-3 | 21.4 |
| 351.4 | 2.82E-3 | 28.8 |
| 510.8 | 1.12E-2 | 7.1 |
| 583.2 | 1.56E-3 | 27.6 |
| 609.2 | 1.38E-3 | 36.1 |
| 1460. | 2.22E-3 | 14.5 |
| 1764.7 | 4.52E-4 | 38.0 |
| 2614.2 | 8.52E-4 | 31.8 |

Table E.7. Gamma Detector Backgrounds (Cont.)

Background for Gamma Detector 2

| Peak Energy (keV) | Cts/Sec | %Error |
|---|---|---|
| 92.2 | 7.01E-3 | 14.3 |
| 185.8 | 4.78E-3 | 21.2 |
| 238.5 | 2.19E-3 | 27.8 |
| 510.3 | 5.39E-3 | 12.1 |
| 583.2 | 2.25E-3 | 19.3 |
| 609.5 | 1.49E-3 | 33.5 |
| 1460. | 1.39E-3 | 22.1 |
| 2615. | 7.97E-4 | 25.3 |

Table E.7. Gamma Detector Backgrounds (Cont.)

Background for Gamma Detector 3

| Peak Energy (keV) | Cts/Sec | %Error |
|---|---|---|
| 93.1 | 9.66E-3 | 10.2 |
| 186.1 | 5.17E-3 | 19.5 |
| 239. | 4.61E-3 | 17.9 |
| 352.2 | 1.91E-3 | 28.5 |
| 511.1 | 1.28E-2 | 6.3 |
| 583.1 | 9.36E-4 | 46.0 |
| 609.4 | 1.05E-3 | 34.3 |
| 1001. | 9.79E-4 | 30.7 |
| 1250.8 | 5.22E-4 | 51.5 |
| 1332 | 1.08E-3 | 27.9 |
| 1460. | 2.13E-3 | 15.5 |
| 2615. | 1.25E-3 | 16.0 |

Table E.7. Gamma Detector Backgrounds (Cont.)

Background for Gamma Detector 4

| Peak Energy (keV) | Cts/Sec | %Error |
|---|---|---|
| 91.8 | 4.43E-3 | 28.1 |
| 511. | 1.31E-2 | 8.0 |
| 582.6 | 1.72E-3 | 39.4 |
| 608.7 | 1.49E-3 | 37.4 |
| 1460. | 8.12E-3 | 6.8 |
| 1764. | 1.02E-3 | 21.3 |
| 2206.7 | 6.65E-4 | 40.8 |
| 2615. | 2.07E-3 | 12.6 |

Table E.7. Gamma Detector Backgrounds (Cont.)

Background for Gamma Detector 5

| Peak Energy (keV) | Cts/Sec | %Error |
|---|---|---|
| 92.9 | 4.13E-3 | 20.2 |
| 185.6 | 3.64E-3 | 22.7 |
| 238.7 | 4.40E-3 | 12.6 |
| 351.9 | 1.61E-3 | 35.2 |
| 511. | 1.52E-2 | 5.7 |
| 558. | 1.12E-3 | 35.1 |
| 583. | 1.96E-3 | 23.1 |
| 608.3 | 9.11E-4 | 57.5 |
| 1460. | 2.55E-3 | 13.8 |
| 2615. | 1.32E-3 | 17.0 |

Table E.8. Liquid Scintillation Counter Standard Counts, Efficiencies, and Backgrounds

| Date | Standard Count (cpm) | Eff. (%) | Bkg. (cpm) |
|---|---|---|---|
| 07/14/88 | 92375 | 58.8 | 13.4 |
| 07/21/88 | 92112 | 58.7 | 12.4 |
| 07/28/88 | 91940 | 58.7 | 11.5 |
| 08/04/88 | 91677 | 58.5 | 14.1 |
| 08/11/88 | 91904 | 58.7 | 12.6 |
| 08/18/88 | 91535 | 58.5 | 13.5 |
| 08/25/88 | 91661 | 58.7 | 12.2 |
| 09/01/88 | 91407 | 58.6 | 13.0 |
| 09/08/88 | 91780 | 58.9 | 12.1 |
| 09/15/88 | 91425 | 58.7 | 13.0 |
| 09/22/88 | 91336 | 58.7 | 12.4 |
| 09/29/88 | 91088 | 58.6 | 11.5 |
| 10/06/88 | 90935 | 58.5 | 12.5 |
| 10/13/88 | 91086 | 58.7 | 13.0 |
| 10/20/88 | 90656 | 58.4 | 13.1 |
| 10/27/88 | 90652 | 58.6 | 13.4 |
| 11/03/88 | 90705 | 58.7 | 13.1 |

Average Standard Value = 91428 $\pm$ 504 cpm
Actual Standard Value = 255200 dpm on 11/27/79
Standard is a Packard 3-H standard.

Efficiency = 58.6 $\pm$ 0.1%
Range = 58.4 - 58.9%

Background = 12.8 $\pm$ 0.7 cpm
Range = 11.5 - 14.1 cpm

Table E.9. EML Sample Results (September 1988)

| Matrix | Isotope | Found | Known |
|---|---|---|---|
| Soil: (pCi/g) | Sr-90 | 1.09 | 1.39 |
| | Cs-137 | 0.94 | 0.91 |
| | Pu-239 | 0.40 | 0.38 |
| | Am-241 | 0.21 | 0.27 |
| | U(pCi) | 1.15 | 1.58 |
| Water: (pCi/ml) | H-3 | 10.3 | 10.6 |
| | Mn-54 | 1.63 | 1.52 |
| | Co-57 | 3.67 | 3.36 |
| | Co-60 | 3.90 | 3.68 |
| | Sr-90 | 0.92 | 0.93 |
| | Cs-134 | 1.03 | 0.97 |
| | Cs-137 | 2.17 | 1.95 |
| | Pu-239 | 0.51E-2 | 0.54E-2 |
| | Am-241 | 0.017 | 0.016 |
| | U(pCi) | 0.84E-2 | 0.85E-2 |

Table E.10. EPA QC (EMSL) Sample Results in pCi/L

| Isotope | Date | Found | Known |
|---|---|---|---|
| Uranium | 08/19/88 | 6.33 | 6.00 |
| Gr Alpha | 08/26/88 | 8.33 | 8.00 |
| Gr Beta | " | 26.3 | 29.0 |
| Sr-90 | " | 9.82 | 7.79 |
| Cs-137 | " | 62.7 | 69.0 |
| Pu-239 | 10/07/88 | 9.30 | 10.2 |
| Cr-51 | " | 238 | 251 |
| Co-60 | " | 25.3 | 25.0 |
| Zn-65 | " | 154 | 151 |
| Ru-106 | " | 142 | 152 |
| Cs-134 | " | 23.3 | 25.0 |
| Cs-137 | " | 15.7 | 15.0 |
| H-3 | 10/14/88 | 2133 | 2316 |
| Gr Alpha | 10/23/88 | 4.7 | 8.0 |
| Gr Beta | " | 11.0 | 10.0 |