1216651

Tri-Party Agreement

**Change Notice for Modifying Approved Documents/ Workplans**
**In Accordance with the Tri-Party Agreement Action Plan,**
**Section 9.0, *Documentation and Records***

| **Change Number** | **Document Submitted Under Tri-Party Agreement Milestone** | **Date:** |
|---|---|---|
| TPA-CN-535 | _____ | 8/24/2012 |
| **Document Number and Title:** DOE/RL-2001-48, Rev. 3 300 Area Remedial Action Sampling and Analysis Plan | | **Date Document Last Issued:** December 2010 |
| **Originator:** Mark French | **Phone:** 373-9863 | |

**Description of Change:** Table 2-1 is being modified to update EPA analytical methods for cyanide and sulfide.

M. French (**DOE**) and L. Gadbois (**Lead Regulatory Agency**) agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

**Justification and Impacts of Change:**

EPA analytical method for cyanide analysis is being updated from method 9010 to 9014. EPA analytical method for sulfide analysis is being updated from method 9030 to 9034. The method changes reflect recent revisions of the SW-846 manual by the EPA. Affected page is 2-12.

**Shading indicates changes.**

**Approvals:**

| | | | | |
|---|---|---|---|---|
| 93 DOE Project Manager | 8/21/12 Date | ✓ Approved | __ Disapproved | |
| Lead Regulatory Project Manager | 8-24-2012 Date | ✓ Approved | __ Disapproved | |

Once all the above steps have been completed, the originator sends a copy of the signed change notice to the MSA TPAI organization (H7-28), the Administrative Record (H6-08) (refer to TPA Action Plan, Section 9.3), lead regulatory agency, affected Hanford contractor, DOE Project Manager, project/contractor Document Custodian, and others as appropriate. Maintain the original Change Notice per approved Records Management procedures.

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**Table 2-1. Standard Fixed Laboratory Performance Requirements. (4 Pages)**

| COPCs | Industrial Land-Use Cleanup Level[a] (mg/kg) | Unrestricted Land-Use Cleanup Level (mg/kg) | Waste Designation Action Level[b] (mg/kg) | Analytical Method | Soil RDL (mg/kg) | Precision Req't (%RPD) | Accuracy Req't (%Recovery) |
|---|---|---|---|---|---|---|---|
| ***Inorganics*** | | | | | | | |
| Chloride | NA | 25,000[d] | N/A | EPA 300.0 | 2 | ±30%[e] | 70%-130%[e] |
| Cyanide | 70,000 | 1.04[d] | 590 | EPA ~~9010~~ 9014 | 0.5 | ±30%[e] | 70%-130%[e] |
| Fluoride | 210,000 | 96[d] | N/A | EPA 300.0 | 5 | ±30%[e] | 70%-130%[e] |
| Nitrate | 5,600,000 | 1,000[d] | N/A | EPA 300.0 | 2.5 | ±30%[e] | 70%-130%[e] |
| Nitrite | 350,000 | 100[d] | N/A | EPA 300.0 | 2.5 | ±30%[e] | 70%-130%[e] |
| Sulfate | N/A | 25,000[d] | N/A | EPA 300.0 | 5 | ±30%[e] | 70%-130%[e] |
| Sulfide | N/A | N/A | Reactivity | EPA ~~9030~~ 9034 | 5 | ±30%[e] | 70%-130%[e] |
| ***Organics*** | | | | | | | |
| PCBs | 65.6 | 0.017[d] | 50/500 | EPA 8082 | 0.0165 | ±30%[h] | 50%-150%[h] |
| SVOAs | Compound-specific | Compound-specific | Compound-specific | EPA 8270 | 0.66[i] | ±30%[h] | 50%-150%[h] |
| VOAs | Compound-specific | Compound-specific | Compound-specific | EPA 8260 | 0.01[i] | ±30%[h] | 50%-150%[h] |
| TPH | 200 | 200 | N/A | WTPH-D+ | 5 | ±30%[h] | 50%-150%[h] |
| ***Physical Properties*** | | | | | | | |
| Ignitability | N/A | N./A | 60° C (140 °F) | EPA 1010 | 1 °C | ± 30% | 70% - 130% |
| Corrosivity | N/A | N/A | ≤2, ≥12.5 | EPA 9040, 9045 | 0.1 pH unit | N/A | N/A |
| ***Other*** | | | | | | | |
| Asbestos | 1 ppm | 1 ppm | 1% | NIOSH 7400 PCM | 1% | N/A | N/A |