
ISRA 009, Area II
LOX (All Chem., Radionuclides < LUT)
Soil Sampling for Radionuclides
and Waste Certification

Introduction

This data package provides the laboratory results of the samples taken at the LOX site in Area II. Soil sample locations are shown in Appendix 1 for the various sub-areas, LOX-1A, LOX-1B-1, LOX-1B-2, LOX-1B-3, LOX-1B-4, LOX-1C and LX-1D. Soil sample results were compared to the draft provisional DTSC look-up table (LUT) values in order to determine if soil exceeds background as required for the NASA/DTSC Administrative Order on Consent (AOC)¹.

Methodology

A total of 84 samples were taken in 79 locations at the LOX area for waste characterization. All except one location exhibited no elevated concentrations of radionuclides above background. One location (LXWC0076 in LOX-1B-3) exhibited confirmed elevated concentrations of radionuclides above background. This location is identified by the pink shaded area in the figure for LOX-1B-3 in Appendix 1. A separate waste certification² has been prepared for the >LUT soil and this soil will be sent to a LLRW disposal facility.

Samples discussed below apply to waste with radionuclides less than the LUTs. Samples taken in 2010, 2011 and 2013 for waste disposal characterization were analyzed for strontium-90, tritium and/or gamma emitting radionuclides by gamma spectroscopy, using an off-site laboratory³. Minimum detectable concentrations (MDC) for cesium-137 and strontium-90 were 0.037 pCi/g and 0.047 pCi/g respectively. The gamma spectroscopy library also included the following contaminants-of-concern: Na-22, K-40, Mn-54, Co-60, Cs-134, Eu-152, Eu-154, Th-228, Th-232, U-235, U-238 and Am-241. The samples taken in 2013 were analyzed for isotopic uranium using alpha spectroscopy.

NASA and DTSC have signed an AOC that requires soils on Area II and portions of Area I to be cleaned up to background⁴. The USEPA has characterized local radionuclide background⁵ in soil and has

¹ "Administrative Order on Consent for Remedial Action (AOC)", December 6, 2010, signed by the National Aeronautics and Space Administration (NASA) and the Department of Toxic Substances Control (DTSC).

² Boeing, "ISRA 009, Area II, LOX (Non-Hazardous, Radionuclides > LUT), Soil Sampling for Radionuclides and Waste Certification", May 20, 2013.

³ Boeing, "ISRA Soil Management Plan", Attachment A, "ISRA Sampling for Radionuclides", July 2009.

⁴ Page 5, Section 2.1 of the AOC states, "The cleanup of soils at the Site [Area II and portions of Area I] shall result in the end state of the Site after cleanup to be consistent with "background." That is, at the completion of the cleanup, no contaminants shall remain in the soil above local background levels, with the exception of the exercise of the exemptions that are specifically expressed in the AIP. All response actions taken pursuant to this Order shall be performed so as to accomplish this objective, in full compliance with the terms and conditions detailed in the AIP, and in accordance with workplans that have been submitted to and approved by DTSC. Similarly, to the extent any radiological materials are determined to be present at this portion of the Site, the cleanup of soils at the Site contaminated with radiological materials shall result in no radiological contaminants remaining in the soil above local background levels, with the exception of the exercise of the same exemptions expressed in the AIP."

⁵ USEPA, "Final Radiological Background Study Report, Santa Susana Field Laboratory, Ventura County, California", October 2011.

published preliminary radiological trigger levels (RTL) based on the higher of background threshold values (BTV) or minimum detectable concentrations (MDC)⁶.

On August 23, 2012, DTSC sent NASA a letter regarding excavation of ISRA soil⁷. In the letter, DTSC stated,

“DTSC agrees with using the December 2011 USEPA RTLs for all radionuclides as the values for disposal of the ISRA soils. DTSC has concluded that use of the RTLs will not be inconsistent with SSFL radiological Lookup Table values.”

“ISRA radiological soil sample results that exceed the RTLs and that have not been re-sampled may be re-sampled to evaluate the initial RTL exceedance. Soil at locations characterized by initial and re-sample radiological results exceeding their respective RTLs will be removed and disposed of at a LLRW disposal facility, per Section 2.10 of the AOC.”

“Validated radiological sample concentrations below the sample MDC can be treated as “non-detects” and the associated soil is not subject to the Section 2.10, AOC soil disposal conditions.”

USEPA issued revised RTLs⁸ in December 2012 which were, in general, higher than the original RTLs. USEPA also issued laboratory specific radiological reference concentrations (RRC) in December 2012⁹. Subsequently, DTSC issued draft provisional LUTs¹⁰ for 16 radionuclides in January 2013, which in general matched the revised RTLs for those radionuclides whose RTLs were derived from BTVs¹¹ (for example cesium-137 and uranium-238). The draft provisional LUTs subset also matched exactly the lower of the two lab-specific RRCs. Consistent with DTSC’s intent in issuing draft provisional LUTs for interim remedial action implementation, LOX data is compared to draft provisional LUTs and sample MDCs to determine compliance with the DTSC/NASA AOC.

Results

Appendix 2 shows the soil radionuclide data for the samples taken at the LOX compared to the draft provisional LUTs and sample MDCs. Four samples initially indicated concentrations above the LUT (cesium-137 in LXWC0031 and LXWC0050, uranium-235 in LXWC0069 and uranium-238 in LXWC0064), however subsequent re-sampling in the same locations did not confirm the original LUT exceedances. All confirmed concentrations are below the draft provisional LUTs and/or less than the sample MDC and therefore comply with the NASA/DTSC AOC and are classified as not contaminated above background.

⁶ USEPA, “Technical Memorandum, Radiological Trigger Levels, Santa Susana Field Laboratory Site, Area IV Radiological Study”, December 12, 2011.

⁷ DTSC, “Management and Disposal of Radionuclide-impacted Soil Excavated for Interim Source Removal Actions on NASA Property, Santa Susana Field Laboratory, Ventura County, California”, August 23, 2012

⁸ USEPA, “Attachment A – Original and Corrected Radiological Trigger Levels - Development and Use of Radiological Reference Concentrations”, Appendix K of “Final Radiological Characterization of Soils - Area IV and Northern Buffer Zone”, December 21, 2012.

⁹ USEPA, “Attachment B - Radiological Reference Concentrations - Development and Use of Radiological Reference Concentrations”, Appendix K of “Final Radiological Characterization of Soils - Area IV and Northern Buffer Zone”, December 21, 2012.

¹⁰ DTSC, “Development of the Draft Provisional Radiological Look-Up Table”, DTSC Public Meeting, Chatsworth, California, January 30, 2013.

¹¹ A notable exception was strontium-90 with a BTV of 0.075 pCi/g, an original RTL of 0.485 pCi/g, a revised RTL of 0.645 pCi/g, lab specific RRCs of 1.07 and 0.117 pCi/g and a draft provisional LUT of 0.117 pCi/g.

Conclusions

With the exception of the >LUT soil identified at LXWC0076 in LOX-1B-3, all remaining excavated soil from the LOX area is released for disposal with no radiological restrictions.

Soil exceeding LUT, identified at LXWC0076 in LOX-1B-3 will be sent to a LLRW disposal facility.









A handwritten signature in cursive script that reads "Phil Rutherford".

Phil Rutherford
Manager, Health, Safety & Radiation Services



Appendix 1
LOX Sampling Locations

Outfall 009 Waste Characterization Sample Locations for LOX-1A

Base Map Legend

-  Administrative Area Boundary
-  RFI Site Boundary
-  Report Group Boundary
-  NPDES Outfall
-  A/C Paving
-  Drainage
-  Non Jurisdictional Surface Water Pathway
-  Surface Water Divide

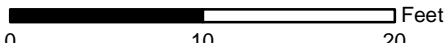
Base Map Legend

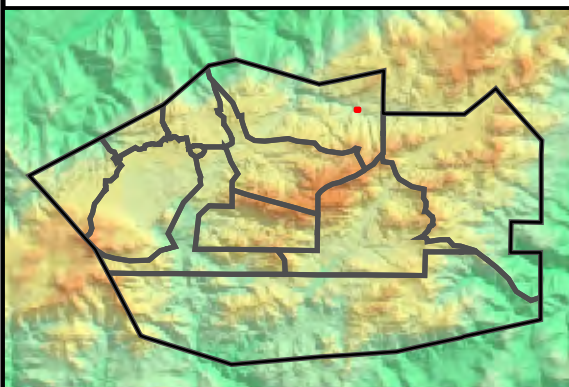
-  ISRA Excavation Boundary
-  Waste Characterization Sample Location

Note:

1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
2. Aerial imagery from Google Earth, 2010.
3. Topographic contours from Lidar data, 2008.

Document: ISRA_Plots_Working_LOX-1-A_SampleLocations_WC.mxd Date: Nov 05, 2010









1 inch = 10 feet

 0 10 20 Feet





S A N T A S U S A N A F I E L D L A B O R A T O R Y

FIGURE 1

Outfall 009 Waste Characterization Sample Locations for LOX-1B-1

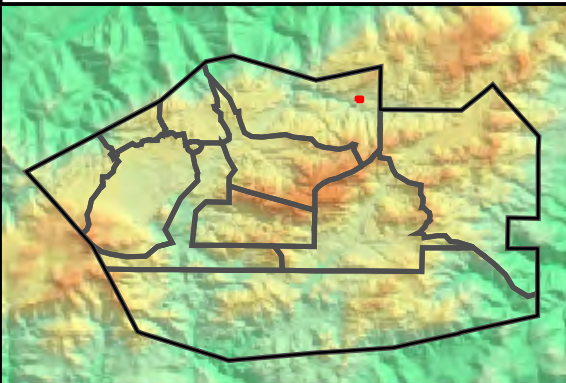
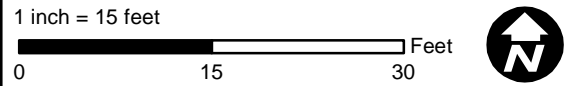
- Base Map Legend**
-  Administrative Area Boundary
 -  Drainage
 -  RFI Site Boundary
 -  Non Jurisdictional Surface Water Pathway
 -  Report Group Boundary
 -  Surface Water Divide
 -  NPDES Outfall
 -  A/C Paving

- Base Map Legend**
-  ISRA Excavation Boundary
 -  Waste Characterization Sample Location

Note:

1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
2. Aerial imagery from Google Earth, 2010.
3. Topographic contours from Lidar data, 2008.

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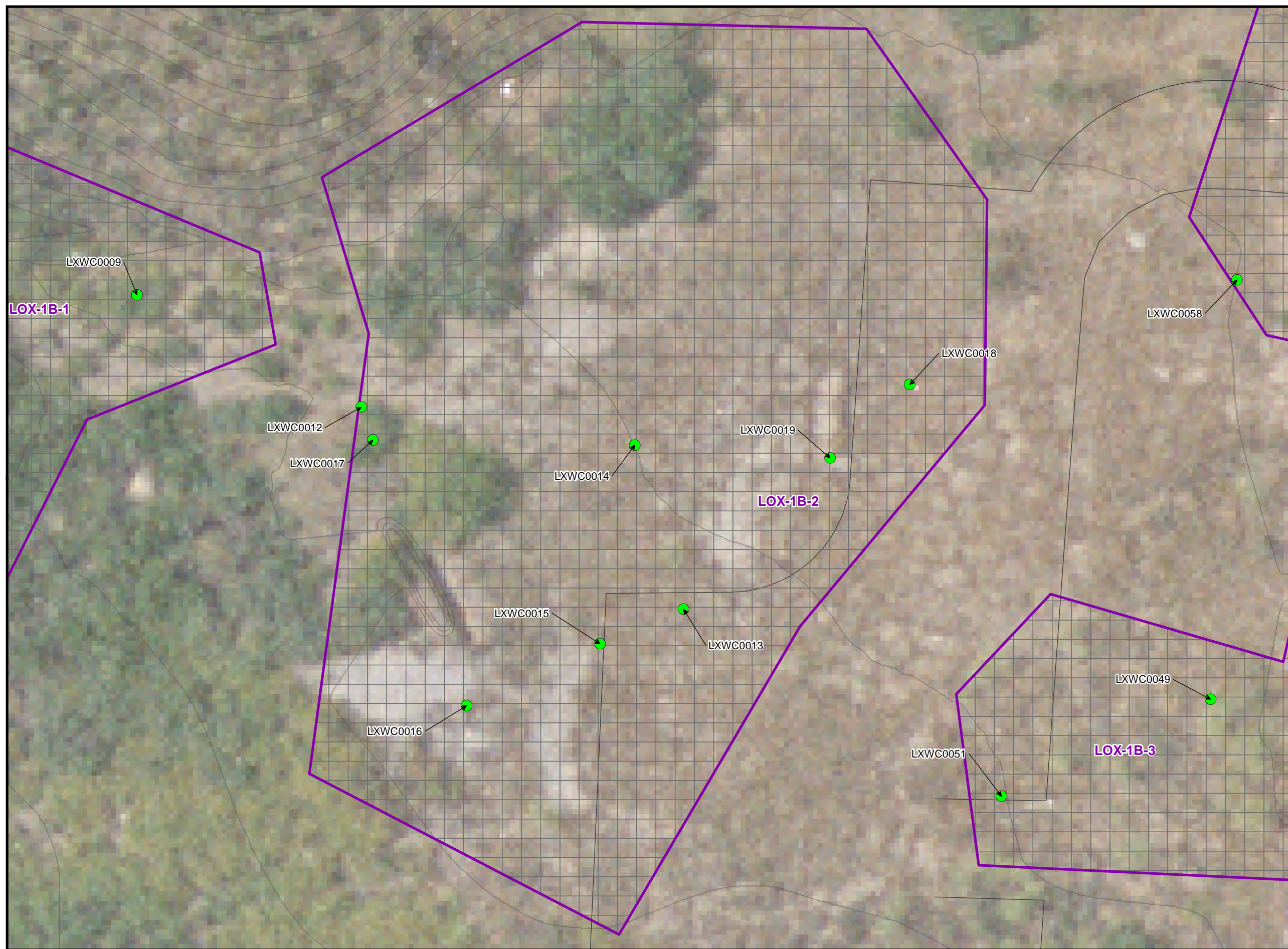
SANTA SUSANA FIELD LABORATORY

FIGURE 1

Outfall 009 Waste Characterization Sample Locations for LOX-1B-2

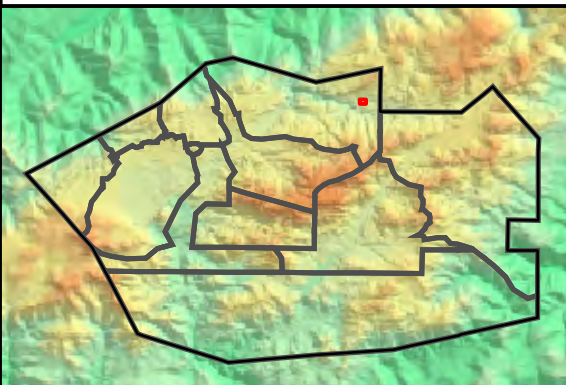
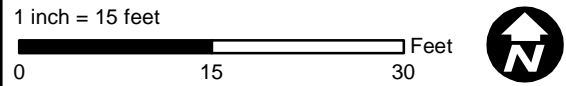
- Base Map Legend**
- Administrative Area Boundary
 - RFI Site Boundary
 - Report Group Boundary
 - NPDES Outfall
 - A/C Paving
 - Drainage
 - Non Jurisdictional Surface Water Pathway
 - Surface Water Divide

- Base Map Legend**
- ISRA Excavation Boundary
 - Waste Characterization Sample Location



- Note:**
1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
 2. Aerial imagery from Google Earth, 2010.
 3. Topographic contours from Lidar data, 2008.

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Outfall 009 Waste Characterization Sample Locations for LOX-1B-3

- Base Map Legend**
- Administrative Area Boundary
 - Drainage
 - RFI Site Boundary
 - Non Jurisdictional Surface Water Pathway
 - Report Group Boundary
 - Surface Water Divide
 - NPDES Outfall
 - A/C Paving

- Base Map Legend**
- ISRA Excavation Boundary

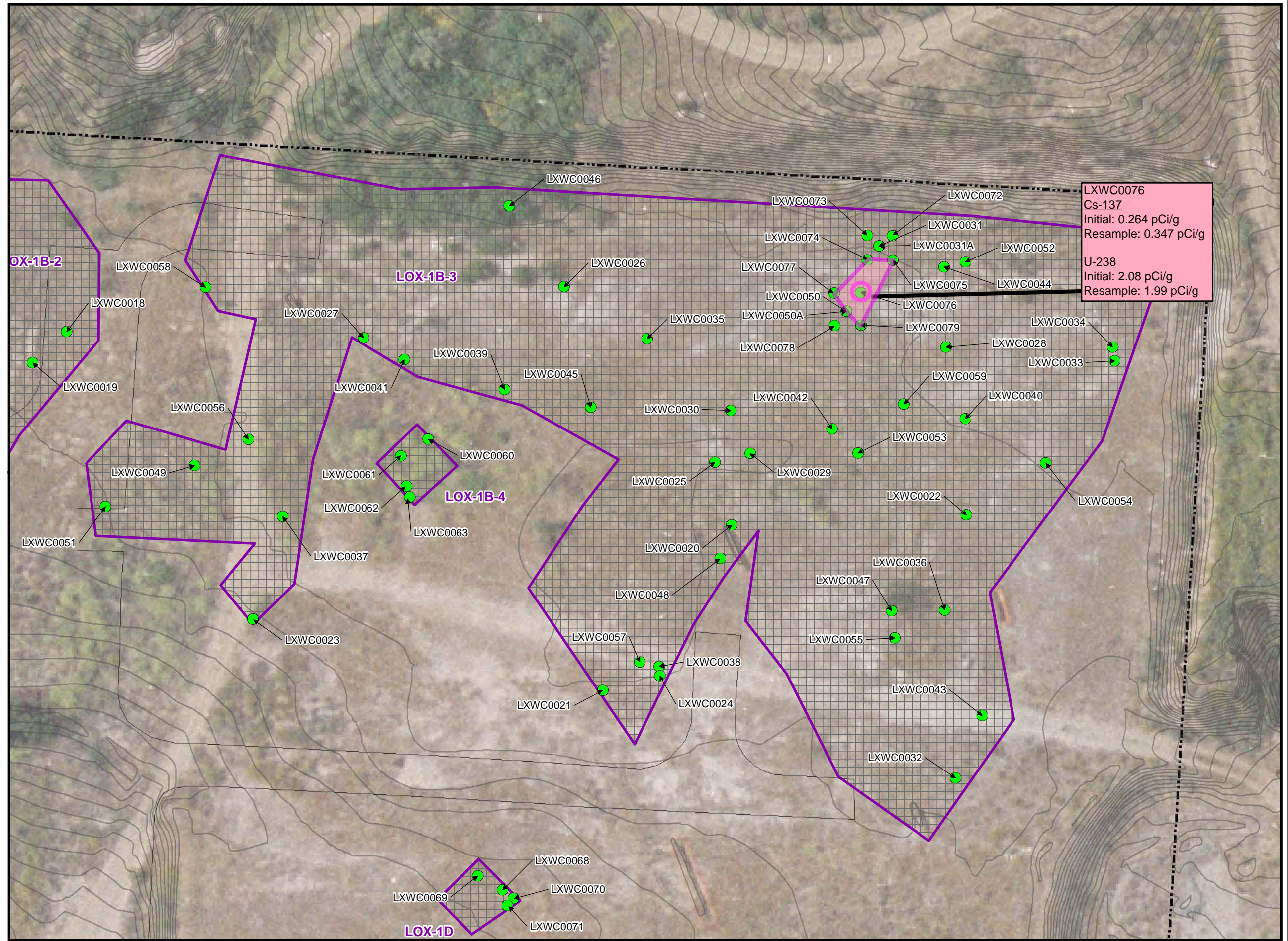
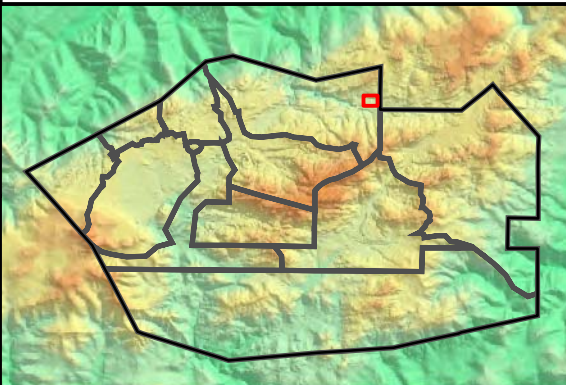
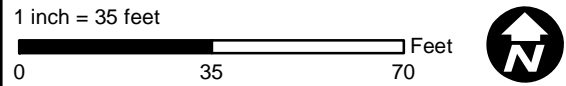
Notes:

	<u>DTSC LUT</u>
Cs-137:	0.225 pCi/g
U-235:	0.152 pCi/g
U-238:	1.96 pCi/g

- Resampling confirmed the initial radionuclide result that met or exceeded the trigger level.
- Boundary of non-hazardous soil with radionuclides above LUT value.

- Note:**
1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
 2. Aerial imagery from Google Earth, 2010.
 3. Topographic contours from Lidar data, 2008.

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Outfall 009 Waste Characterization Sample Locations for LOX-1C

- Base Map Legend**
- Administrative Area Boundary
 - Drainage
 - RFI Site Boundary
 - Non Jurisdictional Surface Water Pathway
 - Report Group Boundary
 - Surface Water Divide
 - NPDES Outfall
 - Elevation Contour
 - A/C Paving

- Base Map Legend**
- ISRA Excavation Boundary
 - Waste Characterization Sample Location

Notes:

	<u>DTSC LUT</u>
Cs-137:	0.225 pCi/g
U-235:	0.152 pCi/g
U-238:	1.96 pCi/g

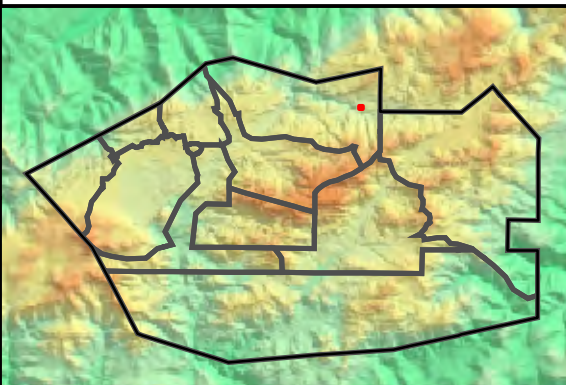
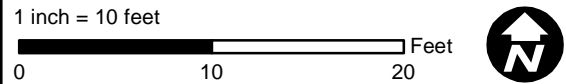
Resampling did not confirm initial radionuclide result that exceeded the LUT value.

Step-out sample location; sample not analyzed because resampling did not confirm initial radionuclide result that exceeded the LUT value.

Note:









1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
2. Aerial imagery from Google Earth, 2010.
3. Topographic contours from Lidar data, 2008.

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Outfall 009 Waste Characterization Sample Locations for LOX-1D

Base Map Legend


-  Administrative Area Boundary
-  Drainage
-  RFI Site Boundary
-  Non Jurisdictional Surface Water Pathway
-  Report Group Boundary
-  Surface Water Divide
-  NPDES Outfall
-  A/C Paving


Base Map Legend

-  ISRA Excavation Boundary
-  Waste Characterization Sample Location

Notes:

	<u>DTSC LUT</u>
Cs-137:	0.225 pCi/g
U-235:	0.152 pCi/g
U-238:	1.96 pCi/g

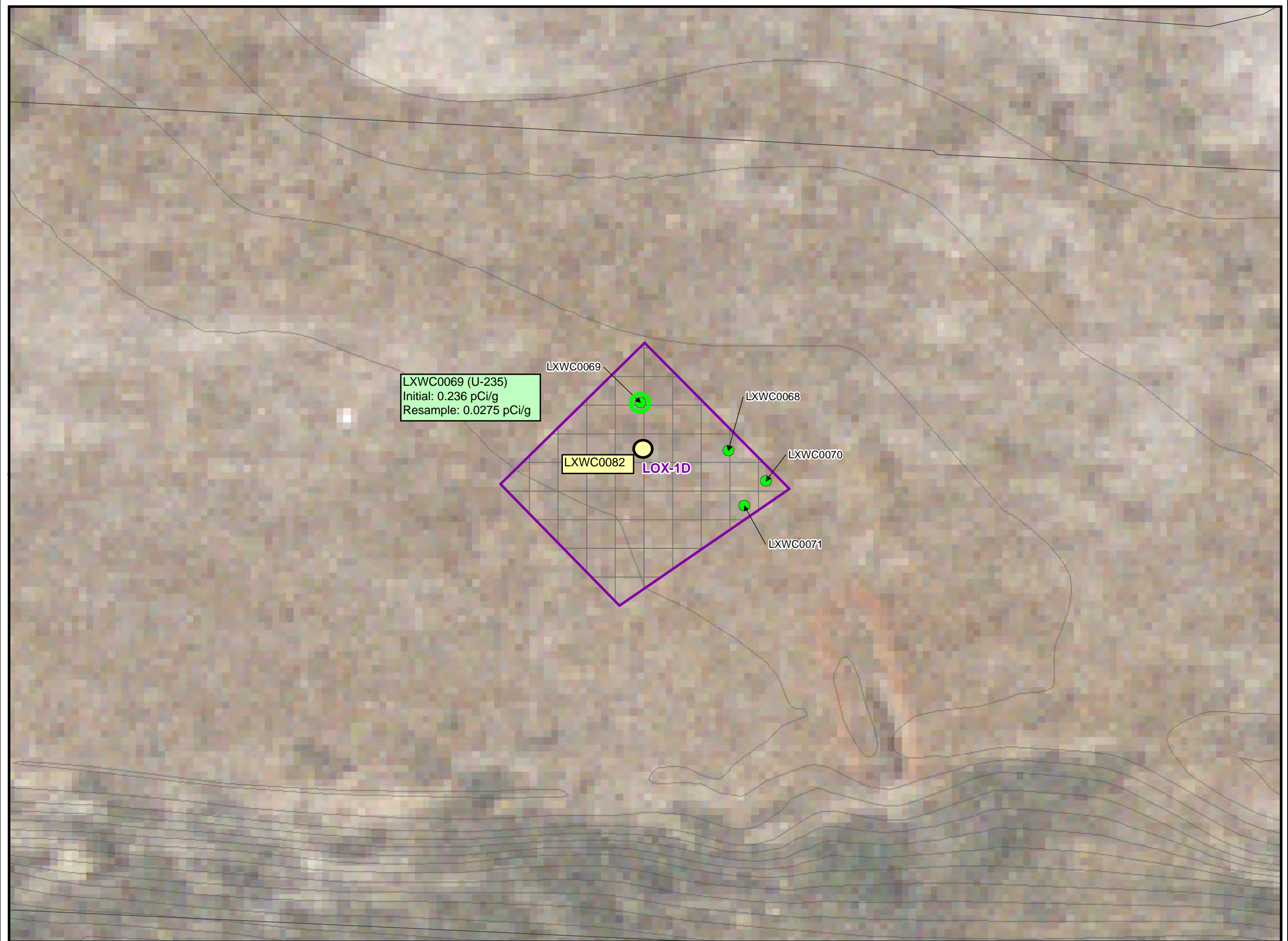
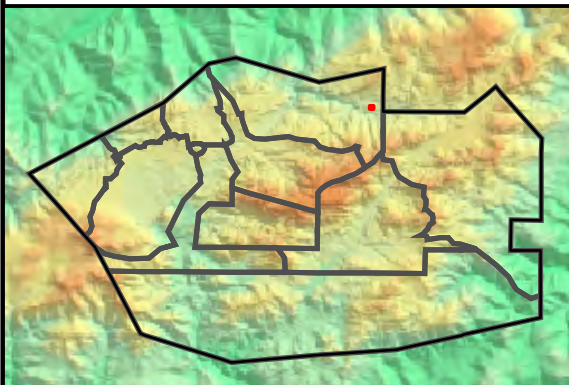
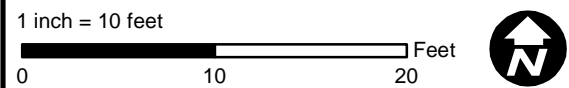
 Resampling did not confirm initial radionuclide result that exceeded the LUT value.

 Step-out sample location; sample not analyzed because resampling did not confirm initial radionuclide result that exceeded the LUT value.

Note:

1. Sample locations and depths were randomly selected. The 3ft x 3ft grid used in the sample location selection process is shown.
2. Aerial imagery from Google Earth, 2010.
3. Topographic contours from Lidar data, 2008.

Document: ISRA_Plots_Working_LOX-1-D_SampleLocations_WC.mxd Date: Nov 05, 2010



Appendix 2
LOX (All Chem, Below LUT) Radionuclide Results

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Americium-241	-0.252	0.166	0.297	0.0386	MDC	-	-	-	-	-0.252	-	YES	7.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Americium-241	-0.0134	0.071	0.12	0.0386	MDC	-	-	-	-	-0.0134	-	YES	3.11	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Americium-241	0.0138	0.0924	0.163	0.0386	MDC	-	-	-	-	0.0138	-	YES	4.22	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Americium-241	0.0198	0.0601	0.104	0.0386	MDC	-	-	-	-	0.0198	-	YES	2.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Americium-241	0.0795	0.104	0.182	0.0386	MDC	YES	-	-	-	0.0795	YES	YES	4.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Americium-241	0.052	0.0873	0.152	0.0386	MDC	YES	-	-	-	0.052	YES	YES	3.94	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Americium-241	0.0695	0.072	0.123	0.0386	MDC	YES	-	-	-	0.0695	YES	YES	3.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Americium-241	0.117	0.0942	0.17	0.0386	MDC	YES	-	-	-	0.117	YES	YES	4.40	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Americium-241	0.00814	0.0273	0.0467	0.0386	MDC	-	-	-	-	0.00814	-	YES	1.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Americium-241	0.0109	0.113	0.194	0.0386	MDC	-	-	-	-	0.0109	-	YES	5.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Americium-241	0.0539	0.0808	0.137	0.0386	MDC	YES	-	-	-	0.0539	YES	YES	3.55	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Americium-241	0.0331	0.0344	0.0622	0.0386	MDC	-	-	-	-	0.0331	-	YES	1.61	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Americium-241	0.0463	0.086	0.151	0.0386	MDC	YES	-	-	-	0.0463	YES	YES	3.91	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Americium-241	-0.026	0.101	0.176	0.0386	MDC	-	-	-	-	-0.026	-	YES	4.56	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Americium-241	0.0115	0.025	0.0432	0.0386	MDC	-	-	-	-	0.0115	-	YES	1.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Americium-241	0.0302	0.0598	0.101	0.0386	MDC	-	-	-	-	0.0302	-	YES	2.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Americium-241	0.0948	0.168	0.29	0.0386	MDC	YES	-	-	-	0.0948	YES	YES	7.51	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Americium-241	-0.0155	0.0594	0.101	0.0386	MDC	-	-	-	-	-0.0155	-	YES	2.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Americium-241	0.0623	0.0867	0.154	0.0386	MDC	YES	-	-	-	0.0623	YES	YES	3.99	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Americium-241	0.129	0.0919	0.16	0.0386	MDC	YES	-	-	-	0.129	YES	YES	4.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Americium-241	0.0572	0.0939	0.169	0.0386	MDC	YES	-	-	-	0.0572	YES	YES	4.38	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Americium-241	-0.0211	0.179	0.298	0.0386	MDC	-	-	-	-	-0.0211	-	YES	7.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Americium-241	0.0135	0.0268	0.0454	0.0386	MDC	-	-	-	-	0.0135	-	YES	1.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Americium-241	0.0788	0.105	0.174	0.0386	MDC	YES	-	-	-	0.0788	YES	YES	4.51	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Americium-241	-0.101	0.172	0.319	0.0386	MDC	-	-	-	-	-0.101	-	YES	8.26	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Americium-241	0.0412	0.0927	0.166	0.0386	MDC	YES	-	-	-	0.0412	YES	YES	4.30	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Americium-241	0.0203	0.0733	0.125	0.0386	MDC	-	-	-	-	0.0203	-	YES	3.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Americium-241	0.167	0.177	0.305	0.0386	MDC	YES	-	-	-	0.167	YES	YES	7.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Americium-241	0.0755	0.0889	0.156	0.0386	MDC	YES	-	-	-	0.0755	YES	YES	4.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Americium-241	-0.0914	0.121	0.223	0.0386	MDC	-	-	-	-	-0.0914	-	YES	5.78	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Americium-241	0.0765	0.0798	0.146	0.0386	MDC	YES	-	-	-	0.0765	YES	YES	3.78	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Americium-241	-0.0566	0.111	0.183	0.0386	MDC	-	-	-	-	-0.0566	-	YES	4.74	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Americium-241	0.0245	0.0698	0.119	0.0386	MDC	-	-	-	-	0.0245	-	YES	3.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Americium-241	0.071	0.055	0.0966	0.0386	MDC	YES	-	-	-	0.071	YES	YES	2.50	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Americium-241	0.0449	0.0594	0.101	0.0386	MDC	YES	-	-	-	0.0449	YES	YES	2.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Americium-241	-0.0118	0.0597	0.102	0.0386	MDC	-	-	-	-	-0.0118	-	YES	2.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Americium-241	0.0718	0.0982	0.175	0.0386	MDC	YES	-	-	-	0.0718	YES	YES	4.53	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Americium-241	-0.32	0.17	0.296	0.0386	MDC	-	-	-	-	-0.32	-	YES	7.67	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Americium-241	0.056	0.0642	0.124	0.0386	MDC	YES	-	-	-	0.056	YES	YES	3.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Americium-241	0.0596	0.0965	0.17	0.0386	MDC	YES	-	-	-	0.0596	YES	YES	4.40	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Americium-241	0.0681	0.0658	0.112	0.0386	MDC	YES	-	-	-	0.0681	YES	YES	2.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Americium-241	0.0947	0.102	0.173	0.0386	MDC	YES	-	-	-	0.0947	YES	YES	4.48	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Americium-241	0.0468	0.0771	0.132	0.0386	MDC	YES	-	-	-	0.0468	YES	YES	3.42	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Americium-241	-0.00504	0.0822	0.135	0.0386	MDC	-	-	-	-	-0.00504	-	YES	3.50	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Americium-241	0.0632	0.0554	0.096	0.0386	MDC	YES	-	-	-	0.0632	YES	YES	2.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Americium-241	0.00143	0.0266	0.0444	0.0386	MDC	-	-	-	-	0.00143	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Americium-241	0.113	0.168	0.291	0.0386	MDC	YES	-	-	-	0.113	YES	YES	7.54	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Americium-241	-0.0154	0.0273	0.0445	0.0386	MDC	-	-	-	-	-0.0154	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Americium-241	-0.102	0.164	0.302	0.0386	MDC	-	-	-	-	-0.102	-	YES	7.82	pCi/g	2 sigma	DOE HASL 300,				

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Cesium-134	0.0581	0.0539	0.0597	0.0431	MDC	YES	-	-	-	0.0581	YES	YES	1.39	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Cesium-134	0	0.0405	0.0547	0.0431	MDC	-	-	-	-	0	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Cesium-134	0	0.0338	0.0514	0.0431	MDC	-	-	-	-	0	-	YES	1.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Cesium-134	0	0.0326	0.039	0.0431	MDC	-	-	-	-	0	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Cesium-134	0	0.0344	0.053	0.0431	MDC	-	-	-	-	0	-	YES	1.23	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Cesium-134	0	0.0476	0.065	0.0431	MDC	-	-	-	-	0	-	YES	1.51	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Cesium-134	0	0.0346	0.0493	0.0431	MDC	-	-	-	-	0	-	YES	1.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Cesium-134	0	0.0464	0.0675	0.0431	MDC	-	-	-	-	0	-	YES	1.57	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Cesium-134	0	0.0307	0.0528	0.0431	MDC	-	-	-	-	0	-	YES	1.23	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Cesium-134	0	0.0509	0.0647	0.0431	MDC	-	-	-	-	0	-	YES	1.50	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Cesium-134	0	0.0281	0.049	0.0431	MDC	-	-	-	-	0	-	YES	1.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Cesium-134	0	0.0298	0.0463	0.0431	MDC	-	-	-	-	0	-	YES	1.07	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Cesium-134	0.0555	0.0568	0.0578	0.0431	MDC	YES	-	-	-	0.0555	YES	YES	1.34	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Cesium-134	0	0.0326	0.0457	0.0431	MDC	-	-	-	-	0	-	YES	1.06	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Cesium-134	0	0.0411	0.0574	0.0431	MDC	-	-	-	-	0	-	YES	1.33	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Cesium-134	0	0.0319	0.0541	0.0431	MDC	-	-	-	-	0	-	YES	1.26	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Cesium-134	0	0.035	0.0619	0.0431	MDC	-	-	-	-	0	-	YES	1.44	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Cesium-134	0.0364	0.0493	0.0539	0.0431	MDC	-	-	-	-	0.0364	-	YES	1.25	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Cesium-134	0	0.0478	0.0542	0.0431	MDC	-	-	-	-	0	-	YES	1.26	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Cesium-134	0	0.0422	0.0567	0.0431	MDC	-	-	-	-	0	-	YES	1.32	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Cesium-134	0	0.0413	0.0605	0.0431	MDC	-	-	-	-	0	-	YES	1.40	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Cesium-134	0.0495	0.0418	0.0571	0.0431	MDC	YES	-	-	-	0.0495	YES	YES	1.32	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Cesium-134	0	0.0318	0.0441	0.0431	MDC	-	-	-	-	0	-	YES	1.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Cesium-134	0	0.0435	0.0596	0.0431	MDC	-	-	-	-	0	-	YES	1.38	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Cesium-134	0	0.0411	0.0563	0.0431	MDC	-	-	-	-	0	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Cesium-134	0	0.0315	0.0563	0.0431	MDC	-	-	-	-	0	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031A5001	Soil	Cesium-134	0	0.025	0.0336	0.0431	MDC	-	-	-	-	0	-	-	0.78	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Cesium-134	0	0.0471	0.061	0.0431	MDC	-	-	-	-	0	-	YES	1.42	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Cesium-134	0	0.0418	0.0511	0.0431	MDC	-	-	-	-	0	-	YES	1.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Cesium-134	0	0.0366	0.0475	0.0431	MDC	-	-	-	-	0	-	YES	1.10	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Cesium-134	0	0.0372	0.05	0.0431	MDC	-	-	-	-	0	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Cesium-134	0	0.0411	0.0513	0.0431	MDC	-	-	-	-	0	-	YES	1.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Cesium-134	0	0.0299	0.0439	0.0431	MDC	-	-	-	-	0	-	YES	1.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Cesium-134	0	0.0553	0.0591	0.0431	MDC	-	-	-	-	0	-	YES	1.37	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Cesium-134	0	0.0269	0.0436	0.0431	MDC	-	-	-	-	0	-	YES	1.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Cesium-134	0	0.0301	0.041	0.0431	MDC	-	-	-	-	0	-	-	0.95	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Cesium-134	0	0.0355	0.0473	0.0431	MDC	-	-	-	-	0	-	YES	1.10	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Cesium-134	0	0.0353	0.0555	0.0431	MDC	-	-	-	-	0	-	YES	1.29	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Cesium-134	0	0.0315	0.0489	0.0431	MDC	-	-	-	-	0	-	YES	1.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Cesium-134	0	0.0407	0.0511	0.0431	MDC	-	-	-	-	0	-	YES	1.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Cesium-134	0.0481	0.0359	0.0485	0.0431	MDC	YES	-	-	-	0.0481	YES	YES	1.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Cesium-134	0	0.0348	0.0502	0.0431	MDC	-	-	-	-	0	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Cesium-134	0	0.0338	0.0565	0.0431	MDC	-	-	-	-	0	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Cesium-134	0	0.0386	0.0546	0.0431	MDC	-	-	-	-	0	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Cesium-134	0	0.0463	0.0609	0.0431	MDC	-	-	-	-	0	-	YES	1.41	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Cesium-134	0	0.0475	0.0628	0.0431	MDC	-	-	-	-	0	-	YES	1.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050A5001	Soil	Cesium-134	0	0.033	0.0421	0.0431	MDC	-	-	-	-	0	-	-	0.98	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Cesium-134	0	0.0308	0.0593	0.0431	MDC	-	-	-	-	0	-	YES	1.38	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Cesium-134	0	0.0343	0.0525	0.0431	MDC	-	-	-	-	0	-	YES	1.22	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Cesium-134	0	0.0554	0.0606	0.0431	MDC	-	-	-	-	0	-	YES	1.41	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Cesium-134	0	0.0286	0.0479	0.0431	MDC	-	-	-	-	0	-	YES	1.11							

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Cesium-137	0.024	0.0357	0.0361	0.225	BTV	-	-	-	-	0.024	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Cesium-137	0.135	0.0396	0.0429	0.225	BTV	-	YES	0.135	-	-	-	-	0.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Cesium-137	-0.00425	0.019	0.0324	0.225	BTV	-	-	-	-	-0.00425	-	-	0.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Cesium-137	-0.000285	0.0278	0.0473	0.225	BTV	-	-	-	-	-0.000285	-	-	0.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Cesium-137	0.0032	0.0205	0.0363	0.225	BTV	-	-	-	-	0.0032	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Cesium-137	-0.00388	0.0248	0.0424	0.225	BTV	-	-	-	-	-0.00388	-	-	0.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Cesium-137	0.00336	0.0296	0.0358	0.225	BTV	-	-	-	-	0.00336	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Cesium-137	-0.0158	0.0184	0.031	0.225	BTV	-	-	-	-	-0.0158	-	-	0.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Cesium-137	-0.00537	0.0252	0.0428	0.225	BTV	-	-	-	-	-0.00537	-	-	0.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Cesium-137	-2.95E-05	0.0171	0.0298	0.225	BTV	-	-	-	-	-0.0000295	-	-	0.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Cesium-137	0.00676	0.0205	0.037	0.225	BTV	-	-	-	-	0.00676	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Cesium-137	-0.0095	0.0232	0.0393	0.225	BTV	-	-	-	-	-0.0095	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Cesium-137	0.0183	0.0228	0.0412	0.225	BTV	-	-	-	-	0.0183	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Cesium-137	0.0261	0.0339	0.0415	0.225	BTV	-	-	-	-	0.0261	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Cesium-137	-0.0178	0.0252	0.0439	0.225	BTV	-	-	-	-	-0.0178	-	-	0.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Cesium-137	-0.0218	0.0229	0.0385	0.225	BTV	-	-	-	-	-0.0218	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Cesium-137	0.00744	0.027	0.0469	0.225	BTV	-	-	-	-	0.00744	-	-	0.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Cesium-137	0.032	0.0243	0.0447	0.225	BTV	-	-	-	-	0.032	-	-	0.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Cesium-137	-0.0133	0.0173	0.0291	0.225	BTV	-	-	-	-	-0.0133	-	-	0.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Cesium-137	0.0763	0.0372	0.0444	0.225	BTV	-	YES	0.0763	-	-	-	-	0.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Cesium-137	0.0228	0.0212	0.0394	0.225	BTV	-	-	-	-	0.0228	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Cesium-137	0.0397	0.0323	0.0372	0.225	BTV	-	YES	0.0397	-	-	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Cesium-137	-0.0058	0.0132	0.0233	0.225	BTV	-	-	-	-	-0.0058	-	-	0.10	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Cesium-137	0.34	0.0542	0.0455	0.225	BTV	YES	YES	0.34	YES	-	-	-	0.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Cesium-137	0.0161	0.0214	0.0385	0.225	BTV	-	-	-	-	0.0161	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Cesium-137	0.033	0.0276	0.0329	0.225	BTV	-	YES	0.033	-	-	-	-	0.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Cesium-137	0.192	0.037	0.0349	0.225	BTV	-	YES	0.192	-	-	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Cesium-137	0	0.0576	0.0331	0.225	BTV	-	-	-	-	0	-	-	0.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Cesium-137	0.00248	0.0153	0.0276	0.225	BTV	-	-	-	-	0.00248	-	-	0.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Cesium-137	-0.00795	0.0282	0.0473	0.225	BTV	-	-	-	-	-0.00795	-	-	0.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Cesium-137	0.0101	0.0172	0.0306	0.225	BTV	-	-	-	-	0.0101	-	-	0.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Cesium-137	0	0.0205	0.0302	0.225	BTV	-	-	-	-	0	-	-	0.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Cesium-137	-0.0115	0.017	0.0293	0.225	BTV	-	-	-	-	-0.0115	-	-	0.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Cesium-137	0.0801	0.0342	0.0407	0.225	BTV	-	YES	0.0801	-	-	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Cesium-137	0.0699	0.0329	0.0314	0.225	BTV	-	YES	0.0699	-	-	-	-	0.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Cesium-137	0.0175	0.0201	0.0361	0.225	BTV	-	-	-	-	0.0175	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Cesium-137	0.0944	0.0382	0.0333	0.225	BTV	-	YES	0.0944	-	-	-	-	0.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Cesium-137	0.0757	0.0337	0.0373	0.225	BTV	-	YES	0.0757	-	-	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Cesium-137	0.00166	0.0272	0.0411	0.225	BTV	-	-	-	-	0.00166	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Cesium-137	0.0373	0.0364	0.0374	0.225	BTV	-	-	-	-	0.0373	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Cesium-137	0.00521	0.0408	0.0444	0.225	BTV	-	-	-	-	0.00521	-	-	0.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Cesium-137	0.00128	0.023	0.0405	0.225	BTV	-	-	-	-	0.00128	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Cesium-137	0.146	0.0349	0.0315	0.225	BTV	-	YES	0.146	-	-	-	-	0.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Cesium-137	0.287	0.0652	0.0405	0.225	BTV	YES	YES	0.287	YES	-	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Cesium-137	-0.00738	0.02	0.0347	0.225	BTV	-	-	-	-	-0.00738	-	-	0.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Cesium-137	0.00733	0.0237	0.0421	0.225	BTV	-	-	-	-	0.00733	-	-	0.19	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Cesium-137	0.0414	0.026	0.0378	0.225	BTV	-	YES	0.0414	-	-	-	-	0.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Cesium-137	0.00879	0.0233	0.0401	0.225	BTV	-	-	-	-	0.00879	-	-	0.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Cesium-137	0.0139	0.028	0.0362	0.225	BTV	-	-	-	-	0.0139	-	-	0.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste</

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Cobalt-60	-0.00312	0.0199	0.0338	0.0363	MDC	-	-	-	-	-0.00312	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Cobalt-60	-0.0106	0.0276	0.0458	0.0363	MDC	-	-	-	-	-0.0106	-	YES	1.26	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Cobalt-60	-0.00175	0.0197	0.0337	0.0363	MDC	-	-	-	-	-0.00175	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Cobalt-60	-0.00583	0.0179	0.0299	0.0363	MDC	-	-	-	-	-0.00583	-	-	0.82	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Cobalt-60	-0.0116	0.0235	0.0377	0.0363	MDC	-	-	-	-	-0.0116	-	YES	1.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Cobalt-60	0.00115	0.0175	0.0312	0.0363	MDC	-	-	-	-	0.00115	-	-	0.86	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Cobalt-60	-0.00244	0.021	0.0355	0.0363	MDC	-	-	-	-	-0.00244	-	-	0.98	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Cobalt-60	0.00437	0.0242	0.0419	0.0363	MDC	-	-	-	-	0.00437	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Cobalt-60	0.00989	0.0257	0.0454	0.0363	MDC	-	-	-	-	0.00989	-	YES	1.25	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Cobalt-60	0.00324	0.0241	0.0408	0.0363	MDC	-	-	-	-	0.00324	-	YES	1.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Cobalt-60	-0.00413	0.0195	0.0328	0.0363	MDC	-	-	-	-	-0.00413	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Cobalt-60	-0.00365	0.0245	0.0404	0.0363	MDC	-	-	-	-	-0.00365	-	YES	1.11	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Cobalt-60	0.0175	0.0265	0.0466	0.0363	MDC	-	-	-	-	0.0175	-	YES	1.28	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Cobalt-60	0.0135	0.0267	0.0476	0.0363	MDC	-	-	-	-	0.0135	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Cobalt-60	0.00873	0.0188	0.033	0.0363	MDC	-	-	-	-	0.00873	-	-	0.91	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Cobalt-60	0.00882	0.0245	0.0424	0.0363	MDC	-	-	-	-	0.00882	-	YES	1.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Cobalt-60	-0.00652	0.0224	0.0373	0.0363	MDC	-	-	-	-	-0.00652	-	YES	1.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Cobalt-60	0.00356	0.0236	0.041	0.0363	MDC	-	-	-	-	0.00356	-	YES	1.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031A001	Soil	Cobalt-60	-0.00966	0.0149	0.0242	0.0363	MDC	-	-	-	-	-0.00966	-	-	0.67	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Cobalt-60	0.0093	0.0259	0.0451	0.0363	MDC	-	-	-	-	0.0093	-	YES	1.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Cobalt-60	-0.0125	0.0205	0.0334	0.0363	MDC	-	-	-	-	-0.0125	-	-	0.92	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Cobalt-60	-0.00493	0.0185	0.0316	0.0363	MDC	-	-	-	-	-0.00493	-	-	0.87	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Cobalt-60	0.0125	0.0186	0.0335	0.0363	MDC	-	-	-	-	0.0125	-	-	0.92	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Cobalt-60	-0.00572	0.0221	0.037	0.0363	MDC	-	-	-	-	-0.00572	-	YES	1.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Cobalt-60	0.00555	0.0166	0.0289	0.0363	MDC	-	-	-	-	0.00555	-	-	0.80	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Cobalt-60	0.00807	0.0246	0.0422	0.0363	MDC	-	-	-	-	0.00807	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Cobalt-60	0.00418	0.0176	0.0305	0.0363	MDC	-	-	-	-	0.00418	-	-	0.84	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Cobalt-60	-0.0152	0.0173	0.0275	0.0363	MDC	-	-	-	-	-0.0152	-	-	0.76	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Cobalt-60	0.0214	0.0187	0.0342	0.0363	MDC	-	-	-	-	0.0214	-	-	0.94	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Cobalt-60	-0.0118	0.0212	0.0337	0.0363	MDC	-	-	-	-	-0.0118	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Cobalt-60	-0.0105	0.0188	0.0308	0.0363	MDC	-	-	-	-	-0.0105	-	-	0.85	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Cobalt-60	0.001	0.0205	0.0345	0.0363	MDC	-	-	-	-	0.001	-	-	0.95	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Cobalt-60	0.00208	0.0173	0.0303	0.0363	MDC	-	-	-	-	0.00208	-	-	0.83	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Cobalt-60	0.0166	0.0212	0.0387	0.0363	MDC	-	-	-	-	0.0166	-	YES	1.07	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Cobalt-60	0.00306	0.0231	0.0393	0.0363	MDC	-	-	-	-	0.00306	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Cobalt-60	0.00582	0.0209	0.0367	0.0363	MDC	-	-	-	-	0.00582	-	YES	1.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Cobalt-60	0.0204	0.0279	0.0492	0.0363	MDC	-	-	-	-	0.0204	-	YES	1.36	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Cobalt-60	0.00236	0.0228	0.0391	0.0363	MDC	-	-	-	-	0.00236	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050A001	Soil	Cobalt-60	-0.0051	0.0177	0.0292	0.0363	MDC	-	-	-	-	-0.0051	-	-	0.80	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Cobalt-60	-0.00922	0.0259	0.042	0.0363	MDC	-	-	-	-	-0.00922	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Cobalt-60	0.00869	0.0225	0.0393	0.0363	MDC	-	-	-	-	0.00869	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Cobalt-60	-0.0145	0.0225	0.0354	0.0363	MDC	-	-	-	-	-0.0145	-	-	0.98	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Cobalt-60	0.0181	0.0198	0.0358	0.0363	MDC	-	-	-	-	0.0181	-	-	0.99	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Cobalt-60	0.00638	0.0222	0.0391	0.0363	MDC	-	-	-	-	0.00638	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Cobalt-60	0.0112	0.0214	0.0381	0.0363	MDC	-	-	-	-	0.0112	-	YES	1.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Cobalt-60	-0.000982	0.0244	0.041	0.0363	MDC	-	-	-	-	-0.000982	-	YES	1.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Cobalt-60	0.00387	0.0221	0.0382	0.0363	MDC	-	-	-	-	0.00387	-	YES	1.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Cobalt-60	0.000812	0.022	0.0376	0.0363	MDC	-	-	-	-	0.000812	-	YES	1.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Cobalt-60	-0.00686	0.0229	0.0382	0.0363	MDC	-	-	-	-	-0.00686	-	YES								

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Europium-152	-0.0207	0.0738	0.108	0.0739	MDC	-	-	-	-	-0.0207	-	YES	1.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Europium-152	0.0265	0.0458	0.0784	0.0739	MDC	-	-	-	-	0.0265	-	YES	1.06	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Europium-152	0.00597	0.0568	0.0899	0.0739	MDC	-	-	-	-	0.00597	-	YES	1.22	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Europium-152	-0.0709	0.0651	0.0966	0.0739	MDC	-	-	-	-	-0.0709	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Europium-152	-0.00241	0.065	0.1	0.0739	MDC	-	-	-	-	-0.00241	-	YES	1.35	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Europium-152	-0.0297	0.0724	0.11	0.0739	MDC	-	-	-	-	-0.0297	-	YES	1.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Europium-152	0.00191	0.0518	0.0836	0.0739	MDC	-	-	-	-	0.00191	-	YES	1.13	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Europium-152	0.00665	0.0903	0.11	0.0739	MDC	-	-	-	-	0.00665	-	YES	1.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Europium-152	-0.0811	0.08	0.117	0.0739	MDC	-	-	-	-	-0.0811	-	YES	1.58	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Europium-152	-0.0487	0.065	0.0956	0.0739	MDC	-	-	-	-	-0.0487	-	YES	1.29	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Europium-152	-0.0276	0.0527	0.0842	0.0739	MDC	-	-	-	-	-0.0276	-	YES	1.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Europium-152	0.028	0.0916	0.116	0.0739	MDC	-	-	-	-	0.028	-	YES	1.57	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Europium-152	-0.0184	0.0613	0.0941	0.0739	MDC	-	-	-	-	-0.0184	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Europium-152	-0.0196	0.0556	0.0938	0.0739	MDC	-	-	-	-	-0.0196	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Europium-152	1.59E-05	0.0438	0.0627	0.0739	MDC	-	-	-	-	0.0000159	-	YES	0.85	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Europium-152	-0.0151	0.073	0.111	0.0739	MDC	-	-	-	-	-0.0151	-	YES	1.50	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Europium-152	-0.00639	0.0613	0.0847	0.0739	MDC	-	-	-	-	-0.00639	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Europium-152	0.0568	0.0518	0.0861	0.0739	MDC	-	-	-	-	0.0568	-	YES	1.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Europium-152	-0.0221	0.054	0.0863	0.0739	MDC	-	-	-	-	-0.0221	-	YES	1.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Europium-152	-0.00397	0.054	0.0891	0.0739	MDC	-	-	-	-	-0.00397	-	YES	1.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Europium-152	0.0202	0.0565	0.074	0.0739	MDC	-	-	-	-	0.0202	-	YES	1.00	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Europium-152	-0.02	0.0854	0.114	0.0739	MDC	-	-	-	-	-0.02	-	YES	1.54	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Europium-152	0.00219	0.0657	0.0813	0.0739	MDC	-	-	-	-	0.00219	-	YES	1.10	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Europium-152	-0.00558	0.05	0.0754	0.0739	MDC	-	-	-	-	-0.00558	-	YES	1.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Europium-152	-0.0535	0.0514	0.0798	0.0739	MDC	-	-	-	-	-0.0535	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Europium-152	-0.0336	0.0691	0.105	0.0739	MDC	-	-	-	-	-0.0336	-	YES	1.42	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Europium-152	-0.00647	0.0721	0.0875	0.0739	MDC	-	-	-	-	-0.00647	-	YES	1.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Europium-152	-0.0175	0.0499	0.0794	0.0739	MDC	-	-	-	-	-0.0175	-	YES	1.07	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Europium-152	0.0535	0.0523	0.0863	0.0739	MDC	-	-	-	-	0.0535	-	YES	1.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Europium-152	-0.0612	0.0486	0.0802	0.0739	MDC	-	-	-	-	-0.0612	-	YES	1.09	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Europium-152	0.00816	0.102	0.108	0.0739	MDC	-	-	-	-	0.00816	-	YES	1.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Europium-152	-0.0278	0.0567	0.0822	0.0739	MDC	-	-	-	-	-0.0278	-	YES	1.11	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Europium-152	0.00251	0.0801	0.117	0.0739	MDC	-	-	-	-	0.00251	-	YES	1.58	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Europium-152	0.0082	0.0688	0.101	0.0739	MDC	-	-	-	-	0.0082	-	YES	1.37	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Europium-152	-0.0479	0.0524	0.0741	0.0739	MDC	-	-	-	-	-0.0479	-	YES	1.00	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Europium-152	-0.0344	0.0765	0.116	0.0739	MDC	-	-	-	-	-0.0344	-	YES	1.57	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Europium-152	-0.02	0.056	0.0921	0.0739	MDC	-	-	-	-	-0.02	-	YES	1.25	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Europium-152	-0.0198	0.0686	0.096	0.0739	MDC	-	-	-	-	-0.0198	-	YES	1.30	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Europium-152	0.00177	0.0515	0.0875	0.0739	MDC	-	-	-	-	0.00177	-	YES	1.18	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Europium-152	-0.0349	0.0602	0.0915	0.0739	MDC	-	-	-	-	-0.0349	-	YES	1.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Europium-152	-0.0572	0.0545	0.0843	0.0739	MDC	-	-	-	-	-0.0572	-	YES	1.14	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Europium-152	0.0379	0.0677	0.108	0.0739	MDC	-	-	-	-	0.0379	-	YES	1.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Europium-152	0.0935	0.0589	0.0987	0.0739	MDC	YES	-	-	-	0.0935	YES	YES	1.34	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Europium-152	-0.027	0.0582	0.097	0.0739	MDC	-	-	-	-	-0.027	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Europium-152	-0.0251	0.0586	0.0944	0.0739	MDC	-	-	-	-	-0.0251	-	YES	1.28	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Europium-152	-0.00644	0.0462	0.0795	0.0739	MDC	-	-	-	-	-0.00644	-	YES	1.08	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Europium-152	0.0325	0.0481	0.079	0.0739	MDC	-	-	-	-	0.0325	-	YES	1.07	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Europium-152	-0.0195	0.0552	0.0861	0.0739	MDC	-	-	-	-	-0.0195	-	YES	1.17	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Europium-152	-0.00139	0.0549	0.0883	0.0739	MDC	-	-	-	-	-0.00139	-	YES								

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Europium-154	0.0451	0.0829	0.148	0.198	MDC	-	-	-	-	0.0451	-	-	0.75	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Europium-154	-0.0172	0.075	0.124	0.198	MDC	-	-	-	-	-0.0172	-	-	0.63	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Europium-154	-0.00194	0.0687	0.119	0.198	MDC	-	-	-	-	-0.00194	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Europium-154	0.0399	0.075	0.13	0.198	MDC	-	-	-	-	0.0399	-	-	0.66	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Europium-154	0.0393	0.0842	0.146	0.198	MDC	-	-	-	-	0.0393	-	-	0.74	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Europium-154	0.0577	0.0867	0.156	0.198	MDC	-	-	-	-	0.0577	-	-	0.79	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Europium-154	-0.0502	0.0597	0.0978	0.198	MDC	-	-	-	-	-0.0502	-	-	0.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Europium-154	0.00474	0.0837	0.142	0.198	MDC	-	-	-	-	0.00474	-	-	0.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Europium-154	0.015	0.0709	0.123	0.198	MDC	-	-	-	-	0.015	-	-	0.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Europium-154	-0.0365	0.0769	0.128	0.198	MDC	-	-	-	-	-0.0365	-	-	0.65	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Europium-154	-0.000938	0.0487	0.0836	0.198	MDC	-	-	-	-	-0.000938	-	-	0.42	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Europium-154	-0.006	0.0779	0.132	0.198	MDC	-	-	-	-	-0.006	-	-	0.67	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Europium-154	-0.0512	0.0624	0.101	0.198	MDC	-	-	-	-	-0.0512	-	-	0.51	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Europium-154	-0.00853	0.0605	0.105	0.198	MDC	-	-	-	-	-0.00853	-	-	0.53	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Europium-154	-0.0148	0.058	0.0979	0.198	MDC	-	-	-	-	-0.0148	-	-	0.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Europium-154	0.0221	0.0678	0.119	0.198	MDC	-	-	-	-	0.0221	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Europium-154	-0.0229	0.0552	0.0922	0.198	MDC	-	-	-	-	-0.0229	-	-	0.47	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Europium-154	0.0454	0.0857	0.149	0.198	MDC	-	-	-	-	0.0454	-	-	0.75	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Europium-154	-0.0906	0.0604	0.0948	0.198	MDC	-	-	-	-	-0.0906	-	-	0.48	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Europium-154	0.00371	0.0552	0.0946	0.198	MDC	-	-	-	-	0.00371	-	-	0.48	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Europium-154	-0.0119	0.0666	0.11	0.198	MDC	-	-	-	-	-0.0119	-	-	0.56	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Europium-154	-0.0248	0.0724	0.119	0.198	MDC	-	-	-	-	-0.0248	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Europium-154	-0.0645	0.0613	0.0987	0.198	MDC	-	-	-	-	-0.0645	-	-	0.50	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Europium-154	0.0471	0.07	0.123	0.198	MDC	-	-	-	-	0.0471	-	-	0.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Europium-154	0.00499	0.0584	0.103	0.198	MDC	-	-	-	-	0.00499	-	-	0.52	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Europium-154	0.00473	0.0683	0.119	0.198	MDC	-	-	-	-	0.00473	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Europium-154	0.0555	0.0724	0.129	0.198	MDC	-	-	-	-	0.0555	-	-	0.65	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Europium-154	-0.0545	0.0671	0.109	0.198	MDC	-	-	-	-	-0.0545	-	-	0.55	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Europium-154	0.0355	0.0859	0.148	0.198	MDC	-	-	-	-	0.0355	-	-	0.75	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Europium-154	0.00963	0.0713	0.123	0.198	MDC	-	-	-	-	0.00963	-	-	0.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Europium-154	-0.0303	0.0554	0.0906	0.198	MDC	-	-	-	-	-0.0303	-	-	0.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Europium-154	-0.0707	0.0871	0.137	0.198	MDC	-	-	-	-	-0.0707	-	-	0.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Europium-154	-0.00799	0.0743	0.126	0.198	MDC	-	-	-	-	-0.00799	-	-	0.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Europium-154	-0.0173	0.0754	0.126	0.198	MDC	-	-	-	-	-0.0173	-	-	0.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Europium-154	-0.0582	0.0661	0.102	0.198	MDC	-	-	-	-	-0.0582	-	-	0.52	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Europium-154	-0.0224	0.0685	0.116	0.198	MDC	-	-	-	-	-0.0224	-	-	0.59	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Europium-154	-0.068	0.0699	0.111	0.198	MDC	-	-	-	-	-0.068	-	-	0.56	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Europium-154	0.0263	0.0775	0.135	0.198	MDC	-	-	-	-	0.0263	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Europium-154	0.0446	0.0723	0.129	0.198	MDC	-	-	-	-	0.0446	-	-	0.65	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Europium-154	-0.035	0.0693	0.114	0.198	MDC	-	-	-	-	-0.035	-	-	0.58	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Europium-154	-0.0159	0.0709	0.12	0.198	MDC	-	-	-	-	-0.0159	-	-	0.61	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Europium-154	-0.0346	0.0571	0.0917	0.198	MDC	-	-	-	-	-0.0346	-	-	0.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Europium-154	-0.0334	0.0579	0.0975	0.198	MDC	-	-	-	-	-0.0334	-	-	0.49	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Europium-154	-0.0387	0.0702	0.116	0.198	MDC	-	-	-	-	-0.0387	-	-	0.59	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Europium-154	0.00728	0.0691	0.119	0.198	MDC	-	-	-	-	0.00728	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Europium-154	0.0214	0.0847	0.146	0.198	MDC	-	-	-	-	0.0214	-	-	0.74	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Europium-154	0.0125	0.0731	0.127	0.198	MDC	-	-	-	-	0.0125	-	-	0.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Europium-154	0.0207	0.0706	0.123	0.198	MDC	-	-	-	-	0.0207	-	-	0.62	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Europium-154	-0.116	0.0758	0.11	0.198	MDC	-	-	-	-	-0.116	-	-	0.56	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001																						

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Manganese-54	0.00451	0.0245	0.0432	-	-	-	-	-	-	0.00451	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Manganese-54	0.00261	0.0236	0.0418	-	-	-	-	-	-	0.00261	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Manganese-54	0.00633	0.0186	0.033	-	-	-	-	-	-	0.00633	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Manganese-54	0.00574	0.0231	0.0411	-	-	-	-	-	-	0.00574	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Manganese-54	0.0154	0.022	0.0393	-	-	-	-	-	-	0.0154	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Manganese-54	0.00462	0.0237	0.0414	-	-	-	-	-	-	0.00462	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Manganese-54	0.00601	0.0145	0.0259	-	-	-	-	-	-	0.00601	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Manganese-54	0.00633	0.0235	0.0406	-	-	-	-	-	-	0.00633	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Manganese-54	0.015	0.0252	0.0367	-	-	-	-	-	-	0.015	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Manganese-54	-0.00777	0.0229	0.0339	-	-	-	-	-	-	-0.00777	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Manganese-54	3.63E-06	0.019	0.0325	-	-	-	-	-	-	3.63E-06	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Manganese-54	0	0.025	0.0311	-	-	-	-	-	-	0	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Manganese-54	0.0046	0.0174	0.0305	-	-	-	-	-	-	0.0046	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Manganese-54	0.00183	0.0248	0.0434	-	-	-	-	-	-	0.00183	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Manganese-54	-0.00916	0.0176	0.0304	-	-	-	-	-	-	-0.00916	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Manganese-54	0.00318	0.0172	0.03	-	-	-	-	-	-	0.00318	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Manganese-54	0.0185	0.0182	0.0335	-	-	-	-	-	-	0.0185	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Manganese-54	0.014	0.0226	0.0407	-	-	-	-	-	-	0.014	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Manganese-54	0.0196	0.0204	0.0322	-	-	-	-	-	-	0.0196	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Manganese-54	0.0269	0.0258	0.0335	-	-	-	-	-	-	0.0269	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Manganese-54	0.00552	0.0178	0.0315	-	-	-	-	-	-	0.00552	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Manganese-54	0.00927	0.0207	0.0369	-	-	-	-	-	-	0.00927	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Manganese-54	0.0183	0.0223	0.041	-	-	-	-	-	-	0.0183	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Manganese-54	0.00542	0.0215	0.038	-	-	-	-	-	-	0.00542	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Manganese-54	0.00616	0.0247	0.0436	-	-	-	-	-	-	0.00616	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Manganese-54	-0.00394	0.0243	0.0412	-	-	-	-	-	-	-0.00394	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Manganese-54	-0.0111	0.0204	0.0288	-	-	-	-	-	-	-0.0111	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Manganese-54	0.0227	0.0246	0.0401	-	-	-	-	-	-	0.0227	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Manganese-54	-0.0126	0.0218	0.0361	-	-	-	-	-	-	-0.0126	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Manganese-54	-0.019	0.024	0.0386	-	-	-	-	-	-	-0.019	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Manganese-54	-0.00902	0.0193	0.033	-	-	-	-	-	-	-0.00902	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Manganese-54	0.000793	0.0221	0.0385	-	-	-	-	-	-	0.000793	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Manganese-54	0.0128	0.0244	0.0371	-	-	-	-	-	-	0.0128	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Manganese-54	0.009	0.0238	0.0416	-	-	-	-	-	-	0.009	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Manganese-54	0.0146	0.0221	0.0392	-	-	-	-	-	-	0.0146	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Manganese-54	-0.000841	0.022	0.0376	-	-	-	-	-	-	-0.000841	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Manganese-54	0.0136	0.021	0.0374	-	-	-	-	-	-	0.0136	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Manganese-54	-0.00157	0.0179	0.0317	-	-	-	-	-	-	-0.00157	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Manganese-54	-0.00114	0.0174	0.0304	-	-	-	-	-	-	-0.00114	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Manganese-54	0.01	0.0217	0.0385	-	-	-	-	-	-	0.01	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Manganese-54	0.0313	0.0252	0.0335	-	-	-	-	-	-	0.0313	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Manganese-54	-0.00527	0.0255	0.0424	-	-	-	-	-	-	-0.00527	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Manganese-54	-0.00799	0.0232	0.0389	-	-	-	-	-	-	-0.00799	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Manganese-54	-0.013	0.0211	0.0349	-	-	-	-	-	-	-0.013	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Manganese-54	-0.00942	0.0223	0.0381	-	-	-	-	-	-	-0.00942	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Manganese-54	-0.0163	0.0204	0.0332	-	-	-	-	-	-	-0.0163	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Manganese-54	0.011	0.0212	0.0389	-	-	-	-	-	-	0.011	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Manganese-54	-0.00174	0.0228	0.0385	-	-	-	-	-	-	-0.00174	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Manganese-54	0.0106	0.0246	0.0432	-	-	-	-	-	-	0.0106	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Manganese-54	-0.0105	0.017	0.0289	-	-	-	-	-	-	-0.0105	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Manganese-54	0.0102	0.0234	0.0422	-	-	-	-	-	-	0.0102	-	-	-	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Manganese-54	0.00278	0.0142	0.025	-																

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Potassium-40	22.6	2.24	0.32	35.5	BTV	-	YES	22.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Potassium-40	21.7	2.24	0.345	35.5	BTV	-	YES	21.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Potassium-40	18.7	1.91	0.212	35.5	BTV	-	YES	18.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Potassium-40	21.3	2.23	0.316	35.5	BTV	-	YES	21.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Potassium-40	20.6	1.99	0.274	35.5	BTV	-	YES	20.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Potassium-40	22.3	2.47	0.252	35.5	BTV	-	YES	22.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Potassium-40	22.3	2.27	0.272	35.5	BTV	-	YES	22.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Potassium-40	20.7	2.04	0.349	35.5	BTV	-	YES	20.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Potassium-40	22	2.25	0.236	35.5	BTV	-	YES	22	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Potassium-40	20.8	2.26	0.347	35.5	BTV	-	YES	20.8	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Potassium-40	19.5	1.9	0.233	35.5	BTV	-	YES	19.5	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Potassium-40	21.9	2.23	0.217	35.5	BTV	-	YES	21.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Potassium-40	21.3	2.26	0.231	35.5	BTV	-	YES	21.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Potassium-40	21.7	2.3	0.274	35.5	BTV	-	YES	21.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Potassium-40	21.5	2.08	0.279	35.5	BTV	-	YES	21.5	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Potassium-40	24.1	2.27	0.24	35.5	BTV	-	YES	24.1	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Potassium-40	21.6	2.4	0.275	35.5	BTV	-	YES	21.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Potassium-40	20.6	1.96	0.266	35.5	BTV	-	YES	20.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Potassium-40	21.6	2.31	0.328	35.5	BTV	-	YES	21.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Potassium-40	21.3	2.02	0.296	35.5	BTV	-	YES	21.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Potassium-40	20.9	2.29	0.389	35.5	BTV	-	YES	20.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Potassium-40	20.3	2.11	0.324	35.5	BTV	-	YES	20.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Potassium-40	19.9	2.05	0.248	35.5	BTV	-	YES	19.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Potassium-40	22.3	2.37	0.366	35.5	BTV	-	YES	22.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Potassium-40	18.7	1.95	0.293	35.5	BTV	-	YES	18.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Potassium-40	18.9	2.15	0.248	35.5	BTV	-	YES	18.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Potassium-40	19.2	1.86	0.25	35.5	BTV	-	YES	19.2	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Potassium-40	22.1	2.26	0.329	35.5	BTV	-	YES	22.1	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Potassium-40	20.7	2.04	0.28	35.5	BTV	-	YES	20.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Potassium-40	19.4	2.21	0.316	35.5	BTV	-	YES	19.4	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Potassium-40	18.9	1.9	0.301	35.5	BTV	-	YES	18.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Potassium-40	20.5	2.07	0.271	35.5	BTV	-	YES	20.5	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Potassium-40	20.4	2.05	0.302	35.5	BTV	-	YES	20.4	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Potassium-40	19.6	1.88	0.288	35.5	BTV	-	YES	19.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Potassium-40	20.7	2.3	0.243	35.5	BTV	-	YES	20.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Potassium-40	21.1	2.04	0.318	35.5	BTV	-	YES	21.1	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Potassium-40	20.4	2.12	0.309	35.5	BTV	-	YES	20.4	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Potassium-40	20	2.29	0.387	35.5	BTV	-	YES	20	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Potassium-40	22.6	2.27	0.331	35.5	BTV	-	YES	22.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Potassium-40	21.7	2.24	0.294	35.5	BTV	-	YES	21.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Potassium-40	20.4	2.21	0.338	35.5	BTV	-	YES	20.4	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Potassium-40	17.7	1.73	0.267	35.5	BTV	-	YES	17.7	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Potassium-40	16.3	1.67	0.289	35.5	BTV	-	YES	16.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Potassium-40	20.5	2.06	0.296	35.5	BTV	-	YES	20.5	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Potassium-40	20.6	2.41	0.353	35.5	BTV	-	YES	20.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Potassium-40	21.6	2.06	0.25	35.5	BTV	-	YES	21.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Potassium-40	20.3	2.16	0.368	35.5	BTV	-	YES	20.3	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Potassium-40	18.9	1.94	0.192	35.5	BTV	-	YES	18.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Potassium-40	18.5	1.78	0.222	35.5	BTV	-	YES	18.5	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Potassium-40	20.9	2.12	0.205	35.5	BTV	-	YES	20.9	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Potassium-40	19.3	1.99	0.376																	

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Sodium-22	-0.0188	0.0219	0.0353	0.0468	MDC	-	-	-	-	-0.0188	-	-	0.75	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Sodium-22	-0.00254	0.0214	0.0371	0.0468	MDC	-	-	-	-	-0.00254	-	-	0.79	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Sodium-22	-0.00612	0.0205	0.0344	0.0468	MDC	-	-	-	-	-0.00612	-	-	0.74	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Sodium-22	0.00625	0.024	0.042	0.0468	MDC	-	-	-	-	0.00625	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Sodium-22	-0.00786	0.0194	0.0325	0.0468	MDC	-	-	-	-	-0.00786	-	-	0.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Sodium-22	0.011	0.0304	0.0523	0.0468	MDC	-	-	-	-	0.011	-	YES	1.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Sodium-22	-0.0315	0.0212	0.0335	0.0468	MDC	-	-	-	-	-0.0315	-	-	0.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Sodium-22	0.00196	0.0195	0.0334	0.0468	MDC	-	-	-	-	0.00196	-	-	0.71	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Sodium-22	-0.00444	0.0236	0.039	0.0468	MDC	-	-	-	-	-0.00444	-	-	0.83	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Sodium-22	-0.0084	0.0255	0.042	0.0468	MDC	-	-	-	-	-0.0084	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Sodium-22	-0.0224	0.0216	0.0348	0.0468	MDC	-	-	-	-	-0.0224	-	-	0.74	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Sodium-22	0.0172	0.0247	0.0435	0.0468	MDC	-	-	-	-	0.0172	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Sodium-22	0.000957	0.0205	0.0359	0.0468	MDC	-	-	-	-	0.000957	-	-	0.77	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Sodium-22	0.000941	0.024	0.0416	0.0468	MDC	-	-	-	-	0.000941	-	-	0.89	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Sodium-22	0.0126	0.0258	0.0452	0.0468	MDC	-	-	-	-	0.0126	-	-	0.97	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Sodium-22	-0.0188	0.0236	0.0383	0.0468	MDC	-	-	-	-	-0.0188	-	-	0.82	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Sodium-22	0.0173	0.03	0.0523	0.0468	MDC	-	-	-	-	0.0173	-	YES	1.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Sodium-22	0.00149	0.0253	0.0434	0.0468	MDC	-	-	-	-	0.00149	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Sodium-22	-0.0103	0.0195	0.0319	0.0468	MDC	-	-	-	-	-0.0103	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Sodium-22	-0.0238	0.0306	0.0484	0.0468	MDC	-	-	-	-	-0.0238	-	YES	1.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Sodium-22	-0.00357	0.0261	0.0442	0.0468	MDC	-	-	-	-	-0.00357	-	-	0.94	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Sodium-22	-0.00148	0.0262	0.0442	0.0468	MDC	-	-	-	-	-0.00148	-	-	0.94	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Sodium-22	-0.0205	0.0232	0.0361	0.0468	MDC	-	-	-	-	-0.0205	-	-	0.77	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Sodium-22	-0.0169	0.0248	0.0408	0.0468	MDC	-	-	-	-	-0.0169	-	-	0.87	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Sodium-22	-0.0154	0.0242	0.0396	0.0468	MDC	-	-	-	-	-0.0154	-	-	0.85	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Sodium-22	0.00863	0.0274	0.0477	0.0468	MDC	-	-	-	-	0.00863	-	YES	1.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Sodium-22	0.00868	0.0257	0.0449	0.0468	MDC	-	-	-	-	0.00868	-	-	0.96	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Sodium-22	-0.0141	0.0243	0.0397	0.0468	MDC	-	-	-	-	-0.0141	-	-	0.85	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Sodium-22	-0.00525	0.025	0.0423	0.0468	MDC	-	-	-	-	-0.00525	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Sodium-22	-0.013	0.02	0.0321	0.0468	MDC	-	-	-	-	-0.013	-	-	0.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Sodium-22	-0.0118	0.0204	0.0343	0.0468	MDC	-	-	-	-	-0.0118	-	-	0.73	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Sodium-22	-0.0123	0.0248	0.0411	0.0468	MDC	-	-	-	-	-0.0123	-	-	0.88	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Sodium-22	0.00173	0.0244	0.0419	0.0468	MDC	-	-	-	-	0.00173	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Sodium-22	0.00816	0.0299	0.0516	0.0468	MDC	-	-	-	-	0.00816	-	YES	1.10	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Sodium-22	0.00331	0.0257	0.0444	0.0468	MDC	-	-	-	-	0.00331	-	-	0.95	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Sodium-22	0.00714	0.0249	0.0434	0.0468	MDC	-	-	-	-	0.00714	-	-	0.93	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Sodium-22	-0.0494	0.0273	0.0387	0.0468	MDC	-	-	-	-	-0.0494	-	-	0.83	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Sodium-22	-0.0162	0.0217	0.0353	0.0468	MDC	-	-	-	-	-0.0162	-	-	0.75	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Sodium-22	0.0096	0.0256	0.0447	0.0468	MDC	-	-	-	-	0.0096	-	-	0.96	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Sodium-22	-0.0205	0.0262	0.0423	0.0468	MDC	-	-	-	-	-0.0205	-	-	0.90	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Sodium-22	-0.0467	0.0272	0.0406	0.0468	MDC	-	-	-	-	-0.0467	-	-	0.87	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Sodium-22	-0.0227	0.021	0.0338	0.0468	MDC	-	-	-	-	-0.0227	-	-	0.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Sodium-22	-0.018	0.0267	0.0438	0.0468	MDC	-	-	-	-	-0.018	-	-	0.94	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Sodium-22	-0.015	0.0171	0.0277	0.0468	MDC	-	-	-	-	-0.015	-	-	0.59	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Sodium-22	-0.0073	0.0189	0.0314	0.0468	MDC	-	-	-	-	-0.0073	-	-	0.67	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Sodium-22	-0.0114	0.0178	0.0294	0.0468	MDC	-	-	-	-	-0.0114	-	-	0.63	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Sodium-22	-0.000618	0.0341	0.0593	0.0468	MDC	-	-	-	-	-0.000618	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0079	LXWC0079S001	Soil	Sodium-22	-0.00687	0.0299	0.0503	0.0468	MDC	-	-	-	-	-0.00687	-	YES	1.07	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #4	270159	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Strontium-90	-0.00418	0.0244	0.0485	0.117	MDC	-	-	-	-	-0.00418	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264660	W

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Strontium-90	0.0349	0.0303	0.0487	0.117	MDC	-	-	-	-	0.0349	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Strontium-90	0.0151	0.0267	0.0472	0.117	MDC	-	-	-	-	0.0151	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0039	LXWC0039S001	Soil	Strontium-90	0.0216	0.0272	0.0463	0.117	MDC	-	-	-	-	0.0216	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0040	LXWC0040S001	Soil	Strontium-90	0.00856	0.0267	0.0493	0.117	MDC	-	-	-	-	0.00856	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0041	LXWC0041S001	Soil	Strontium-90	0.0339	0.0297	0.0483	0.117	MDC	-	-	-	-	0.0339	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0042	LXWC0042S001	Soil	Strontium-90	0.027	0.023	0.0365	0.117	MDC	-	-	-	-	0.027	-	-	0.31	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0043	LXWC0043S001	Soil	Strontium-90	0.0204	0.0281	0.0479	0.117	MDC	-	-	-	-	0.0204	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0044	LXWC0044S001	Soil	Strontium-90	-0.0114	0.0241	0.0467	0.117	MDC	-	-	-	-	-0.0114	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0045	LXWC0045S001	Soil	Strontium-90	-0.000872	0.0258	0.0475	0.117	MDC	-	-	-	-	-0.000872	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0046	LXWC0046S001	Soil	Strontium-90	0.0267	0.0286	0.0479	0.117	MDC	-	-	-	-	0.0267	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0047	LXWC0047S001	Soil	Strontium-90	0.00304	0.0266	0.0486	0.117	MDC	-	-	-	-	0.00304	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/13/2010	LOX-1B-3	LXWC0048	LXWC0048S001	Soil	Strontium-90	0.0264	0.0282	0.0469	0.117	MDC	-	-	-	-	0.0264	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Strontium-90	0.0208	0.0286	0.0488	0.117	MDC	-	-	-	-	0.0208	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264402	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Strontium-90	0.0347	0.0268	0.0426	0.117	MDC	-	-	-	-	0.0347	-	-	0.36	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Strontium-90	0.0278	0.0296	0.0492	0.117	MDC	-	-	-	-	0.0278	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Strontium-90	0.0323	0.029	0.047	0.117	MDC	-	-	-	-	0.0323	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Strontium-90	0.0214	0.0269	0.0457	0.117	MDC	-	-	-	-	0.0214	-	-	0.39	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Strontium-90	-0.00401	0.026	0.0488	0.117	MDC	-	-	-	-	-0.00401	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Strontium-90	0.0379	0.0296	0.0481	0.117	MDC	-	-	-	-	0.0379	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Strontium-90	0.00814	0.0258	0.0477	0.117	MDC	-	-	-	-	0.00814	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Strontium-90	0.0166	0.0277	0.0483	0.117	MDC	-	-	-	-	0.0166	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Strontium-90	0.0414	0.0303	0.0481	0.117	MDC	-	-	-	-	0.0414	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Strontium-90	-0.00288	0.0225	0.0463	0.117	MDC	-	-	-	-	-0.00288	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Strontium-90	0.0485	0.0313	0.0485	0.117	MDC	-	-	-	-	0.0485	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Strontium-90	0.0276	0.029	0.0485	0.117	MDC	-	-	-	-	0.0276	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Strontium-90	0.0219	0.0287	0.0488	0.117	MDC	-	-	-	-	0.0219	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Strontium-90	-0.00289	0.0258	0.0479	0.117	MDC	-	-	-	-	-0.00289	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Strontium-90	0.0194	0.0281	0.0486	0.117	MDC	-	-	-	-	0.0194	-	-	0.42	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Strontium-90	0.00106	0.0248	0.0472	0.117	MDC	-	-	-	-	0.00106	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Strontium-90	0.00927	0.0257	0.0466	0.117	MDC	-	-	-	-	0.00927	-	-	0.40	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Strontium-90	-0.0161	0.0233	0.0482	0.117	MDC	-	-	-	-	-0.0161	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Strontium-90	-0.00563	0.012	0.0216	0.117	MDC	-	-	-	-	-0.00563	-	-	0.18	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Strontium-90	0.00125	0.0254	0.0479	0.117	MDC	-	-	-	-	0.00125	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Strontium-90	0.0118	0.0272	0.0481	0.117	MDC	-	-	-	-	0.0118	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Strontium-90	0.0189	0.0281	0.0484	0.117	MDC	-	-	-	-	0.0189	-	-	0.41	pCi/g	2 sigma	EPA 905.0 Modified	GEL		264405	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Thorium-228	1.44	0.187	0.0704	4.27	BTV	-	YES	1.44	-	-	-	-	0.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Thorium-228	1.23	0.168	0.0497	4.27	BTV	-	YES	1.23	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Thorium-228	1.18	0.135	0.0563	4.27	BTV	-	YES	1.18	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Thorium-228	1.42	0.154	0.0504	4.27	BTV	-	YES	1.42	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Thorium-228	1.34	0.152	0.0604	4.27	BTV	-	YES	1.34	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Thorium-228	1.29	0.139	0.0576	4.27	BTV	-	YES	1.29	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Thorium-228	1.32	0.138	0.0513	4.27	BTV	-	YES	1.32	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Thorium-228	1.29	0.135	0.0435	4.27	BTV	-	YES	1.29	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Thorium-228	1.39	0.168	0.0461	4.27	BTV	-	YES	1.39	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Thorium-228	1.31	0.155	0.0618	4.27	BTV	-	YES	1.31	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Thorium-228	1.39	0.172	0.0496	4.27	BTV	-	YES	1.39	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Thorium-228	1.46	0.161	0.0577	4.27	BTV	-	YES	1.46	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Thorium-228	1.41	0.147	0.0549	4.27	BTV	-	YES	1.41	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Thorium-228	1.42	0.16	0.0582	4.27	BTV	-	YES	1.42	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Thorium-228	1.37	0.164	0.0467	4.27	BTV	-	YES	1.37	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Thorium-228	1.45	0.152	0.052	4.27	BTV	-	YES	1.45	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Thorium-228	1.41	0.182	0.0639	4.27	BTV	-	YES</													

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/8/2010	LOX-1B-3	LXWC0049	LXWC0049S001	Soil	Thorium-228	1.48	0.164	0.0629	4.27	BTV	-	YES	1.48	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
1/7/2011	LOX-1B-3	LXWC0050	LXWC0050AS001	Soil	Thorium-228	1.6	0.169	0.0473	4.27	BTV	-	YES	1.6	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0050	LXWC0050S001	Soil	Thorium-228	1.45	0.187	0.0707	4.27	BTV	-	YES	1.45	-	-	-	-	0.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0051	LXWC0051S001	Soil	Thorium-228	1.23	0.144	0.0531	4.27	BTV	-	YES	1.23	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Thorium-228	1.23	0.144	0.0612	4.27	BTV	-	YES	1.23	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Thorium-228	1.34	0.194	0.0492	4.27	BTV	-	YES	1.34	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Thorium-228	1.38	0.163	0.0536	4.27	BTV	-	YES	1.38	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Thorium-228	1.28	0.139	0.0529	4.27	BTV	-	YES	1.28	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Thorium-228	1.3	0.151	0.065	4.27	BTV	-	YES	1.3	-	-	-	-	0.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Thorium-228	1.29	0.141	0.0541	4.27	BTV	-	YES	1.29	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Thorium-228	1.4	0.162	0.0599	4.27	BTV	-	YES	1.4	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Thorium-228	1.39	0.146	0.0556	4.27	BTV	-	YES	1.39	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Thorium-228	1.42	0.203	0.0472	4.27	BTV	-	YES	1.42	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Thorium-228	1.32	0.143	0.0462	4.27	BTV	-	YES	1.32	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Thorium-228	1.47	0.177	0.0484	4.27	BTV	-	YES	1.47	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Thorium-228	1.42	0.15	0.052	4.27	BTV	-	YES	1.42	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Thorium-228	1.59	0.181	0.0708	4.27	BTV	-	YES	1.59	-	-	-	-	0.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Thorium-228	1.52	0.173	0.06	4.27	BTV	-	YES	1.52	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Thorium-228	1.04	0.123	0.0514	4.27	BTV	-	YES	1.04	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Thorium-228	1.12	0.15	0.0624	4.27	BTV	-	YES	1.12	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Thorium-228	1.21	0.127	0.0512	4.27	BTV	-	YES	1.21	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Thorium-228	1.12	0.126	0.0497	4.27	BTV	-	YES	1.12	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Thorium-228	1.38	0.147	0.0573	4.27	BTV	-	YES	1.38	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Thorium-228	1.37	0.151	0.0659	4.27	BTV	-	YES	1.37	-	-	-	-	0.02	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Thorium-228	1.56	0.163	0.0474	4.27	BTV	-	YES	1.56	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Thorium-228	1.87	0.207	0.0564	4.27	BTV	-	YES	1.87	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Thorium-228	1.36	0.144	0.0389	4.27	BTV	-	YES	1.36	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Thorium-228	1.45	0.153	0.0434	4.27	BTV	-	YES	1.45	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Thorium-228	1.53	0.162	0.0417	4.27	BTV	-	YES	1.53	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Thorium-228	1.62	0.174	0.0478	4.27	BTV	-	YES	1.62	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0079	LXWC0079S001	Soil	Thorium-228	1.48	0.171	0.0574	4.27	BTV	-	YES	1.48	-	-	-	-	0.01	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #4	270159	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Thorium-232	1.39	0.249	0.158	3.44	BTV	-	YES	1.39	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Thorium-232	1.37	0.232	0.108	3.44	BTV	-	YES	1.37	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Thorium-232	1.19	0.24	0.167	3.44	BTV	-	YES	1.19	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Thorium-232	1.6	0.26	0.129	3.44	BTV	-	YES	1.6	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Thorium-232	1.49	0.28	0.174	3.44	BTV	-	YES	1.49	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Thorium-232	1.54	0.254	0.122	3.44	BTV	-	YES	1.54	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Thorium-232	1.57	0.266	0.127	3.44	BTV	-	YES	1.57	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Thorium-232	1.46	0.255	0.101	3.44	BTV	-	YES	1.46	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Thorium-232	1.56	0.264	0.125	3.44	BTV	-	YES	1.56	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Thorium-232	1.46	0.272	0.158	3.44	BTV	-	YES	1.46	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Thorium-232	1.38	0.224	0.119	3.44	BTV	-	YES	1.38	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Thorium-232	1.51	0.277	0.156	3.44	BTV	-	YES	1.51	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Thorium-232	1.68	0.266	0.126	3.44	BTV	-	YES	1.68	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Thorium-232	1.62	0.291	0.16	3.44	BTV	-	YES	1.62	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Thorium-232	1.43	0.249	0.137	3.44	BTV	-	YES	1.43	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Thorium-232	1.45	0.244	0.114	3.44	BTV	-	YES	1.45	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Thorium-232	1.44	0.246	0.138	3.44	BTV	-	YES	1.44	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Thorium-232	1.49	0.24	0.107	3.44	BTV	-	YES	1.49	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Thorium-232	1.51	0.264	0.129	3.44	BTV	-	YES	1.51	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-				

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/12/2010	LOX-1B-3	LXWC0052	LXWC0052S001	Soil	Thorium-232	1.29	0.246	0.149	3.44	BTV	-	YES	1.29	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/12/2010	LOX-1B-3	LXWC0053	LXWC0053S001	Soil	Thorium-232	1.43	0.239	0.109	3.44	BTV	-	YES	1.43	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0054	LXWC0054S001	Soil	Thorium-232	1.24	0.247	0.129	3.44	BTV	-	YES	1.24	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0055	LXWC0055S001	Soil	Thorium-232	1.53	0.25	0.125	3.44	BTV	-	YES	1.53	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0056	LXWC0056S001	Soil	Thorium-232	1.35	0.253	0.141	3.44	BTV	-	YES	1.35	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0057	LXWC0057S001	Soil	Thorium-232	1.56	0.259	0.124	3.44	BTV	-	YES	1.56	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Thorium-232	1.4	0.241	0.149	3.44	BTV	-	YES	1.4	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Thorium-232	1.4	0.239	0.134	3.44	BTV	-	YES	1.4	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Thorium-232	1.47	0.232	0.109	3.44	BTV	-	YES	1.47	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Thorium-232	1.46	0.248	0.109	3.44	BTV	-	YES	1.46	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Thorium-232	1.87	0.301	0.141	3.44	BTV	-	YES	1.87	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Thorium-232	1.43	0.259	0.127	3.44	BTV	-	YES	1.43	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Thorium-232	1.77	0.302	0.158	3.44	BTV	-	YES	1.77	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Thorium-232	1.44	0.258	0.134	3.44	BTV	-	YES	1.44	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Thorium-232	1.23	0.229	0.119	3.44	BTV	-	YES	1.23	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Thorium-232	1.09	0.206	0.165	3.44	BTV	-	YES	1.09	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Thorium-232	1.35	0.242	0.116	3.44	BTV	-	YES	1.35	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Thorium-232	1.33	0.236	0.133	3.44	BTV	-	YES	1.33	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Thorium-232	1.67	0.278	0.134	3.44	BTV	-	YES	1.67	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Thorium-232	1.34	0.261	0.151	3.44	BTV	-	YES	1.34	-	-	-	-	0.04	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Thorium-232	1.46	0.239	0.111	3.44	BTV	-	YES	1.46	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Thorium-232	1.5	0.266	0.159	3.44	BTV	-	YES	1.5	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Thorium-232	1.19	0.21	0.096	3.44	BTV	-	YES	1.19	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Thorium-232	1.3	0.221	0.0996	3.44	BTV	-	YES	1.3	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Thorium-232	1.45	0.246	0.093	3.44	BTV	-	YES	1.45	-	-	-	-	0.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Thorium-232	1.21	0.3	0.161	3.44	BTV	-	YES	1.21	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0079	LXWC0079S001	Soil	Thorium-232	1.38	0.271	0.166	3.44	BTV	-	YES	1.38	-	-	-	-	0.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #4	270159	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Tritium	-0.191	0.568	0.987	8.59	MDC	-	-	-	-	-0.191	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Tritium	0.127	0.604	1.04	8.59	MDC	-	-	-	-	0.127	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Tritium	0.172	0.617	1.05	8.59	MDC	-	-	-	-	0.172	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Tritium	-0.178	0.59	1.02	8.59	MDC	-	-	-	-	-0.178	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Tritium	0.0619	0.278	0.496	8.59	MDC	-	-	-	-	0.0619	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Tritium	0.129	0.279	0.487	8.59	MDC	-	-	-	-	0.129	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Tritium	-0.0307	0.268	0.492	8.59	MDC	-	-	-	-	-0.0307	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Tritium	0.166	0.281	0.485	8.59	MDC	-	-	-	-	0.166	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Tritium	0.158	0.292	0.507	8.59	MDC	-	-	-	-	0.158	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Tritium	0.00774	0.274	0.497	8.59	MDC	-	-	-	-	0.00774	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Tritium	-0.0724	0.277	0.516	8.59	MDC	-	-	-	-	-0.0724	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Tritium	-0.0906	0.258	0.484	8.59	MDC	-	-	-	-	-0.0906	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Tritium	0.233	0.294	0.499	8.59	MDC	-	-	-	-	0.233	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Tritium	0.101	0.283	0.499	8.59	MDC	-	-	-	-	0.101	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Tritium	-0.0714	0.273	0.509	8.59	MDC	-	-	-	-	-0.0714	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Tritium	-0.165	0.262	0.505	8.59	MDC	-	-	-	-	-0.165	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Tritium	0.0766	0.277	0.491	8.59	MDC	-	-	-	-	0.0766	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Tritium	0.0214	0.609	1.05	8.59	MDC	-	-	-	-	0.0214	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Tritium	-0.103	0.587	1.02	8.59	MDC	-	-	-	-	-0.103	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Tritium	0.0539	0.276	0.494	8.59	MDC	-	-	-	-	0.0539	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Tritium	-0.268	0.497	0.881	8.59	MDC	-	-	-	-	-0.268	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Tritium	-0.0523	0.557	0.97	8.59	MDC	-	-	-	-	-0.0523	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Tritium	-0.459	0.47	0.845	8.59	MDC	-	-	-	-	-0.459	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Tritium	-0.063	0.454	0.793	8.59	MDC	-	-	-	-	-0.063	-	-	0.09	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Tritium	0.137	0.279	0.487	8.59	MDC	-	-	-	-	0.137	-	-	0.06	pCi/g	2 sigma	EPA 906.0 Modified	GEL			

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/11/2010	LOX-1B-3	LXWC0058	LXWC0058S001	Soil	Tritium	0.0655	0.562	0.972	8.59	MDC	-	-	-	-	0.0655	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0059	LXWC0059S001	Soil	Tritium	-0.262	0.59	1.03	8.59	MDC	-	-	-	-	-0.262	-	-	0.12	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264559	Waste
10/8/2010	LOX-1B-4	LXWC0060	LXWC0060S001	Soil	Tritium	0.225	0.498	0.851	8.59	MDC	-	-	-	-	0.225	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0061	LXWC0061S001	Soil	Tritium	-0.145	0.48	0.842	8.59	MDC	-	-	-	-	-0.145	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0062	LXWC0062S001	Soil	Tritium	-0.11	0.474	0.83	8.59	MDC	-	-	-	-	-0.11	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264404	Waste
10/8/2010	LOX-1B-4	LXWC0063	LXWC0063S001	Soil	Tritium	0.108	0.472	0.812	8.59	MDC	-	-	-	-	0.108	-	-	0.09	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264404	Waste
10/13/2010	LOX-1C	LXWC0064	LXWC0064S001	Soil	Tritium	0.224	0.548	0.933	8.59	MDC	-	-	-	-	0.224	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0065	LXWC0065S001	Soil	Tritium	0.16	0.525	0.898	8.59	MDC	-	-	-	-	0.16	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0066	LXWC0066S001	Soil	Tritium	0.191	0.533	0.909	8.59	MDC	-	-	-	-	0.191	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264667	Waste
10/13/2010	LOX-1C	LXWC0067	LXWC0067S001	Soil	Tritium	0.124	0.531	0.909	8.59	MDC	-	-	-	-	0.124	-	-	0.11	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264667	Waste
10/8/2010	LOX-1D	LXWC0068	LXWC0068S001	Soil	Tritium	-0.197	0.469	0.826	8.59	MDC	-	-	-	-	-0.197	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Tritium	0.0323	0.469	0.811	8.59	MDC	-	-	-	-	0.0323	-	-	0.09	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Tritium	-0.221	0.471	0.832	8.59	MDC	-	-	-	-	-0.221	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Tritium	-0.256	0.474	0.839	8.59	MDC	-	-	-	-	-0.256	-	-	0.10	pCi/g	2 sigma	EPA 906.0 Modified	GEL		264405	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Uranium-235	0.159	0.144	0.263	0.152	BTV	YES	-	-	-	0.159	YES	YES	1.73	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Uranium-235	0.0286	0.106	0.19	0.152	BTV	-	-	-	-	0.0286	-	YES	1.25	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Uranium-235	0.104	0.108	0.197	0.152	BTV	-	-	-	-	0.104	-	YES	1.30	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Uranium-235	0.0133	0.113	0.194	0.152	BTV	-	-	-	-	0.0133	-	YES	1.28	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Uranium-235	0.126	0.12	0.204	0.152	BTV	-	-	-	-	0.126	-	YES	1.34	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Uranium-235	0.12	0.122	0.213	0.152	BTV	-	-	-	-	0.12	-	YES	1.40	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Uranium-235	0.0154	0.109	0.198	0.152	BTV	-	-	-	-	0.0154	-	YES	1.30	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Uranium-235	0.0968	0.101	0.177	0.152	BTV	-	-	-	-	0.0968	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Uranium-235	0.0964	0.141	0.152	0.152	BTV	-	-	-	-	0.0964	-	-	1.00	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Uranium-235	0.179	0.164	0.211	0.152	BTV	YES	-	-	-	0.179	YES	YES	1.39	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Uranium-235	0.0997	0.103	0.188	0.152	BTV	-	-	-	-	0.0997	-	YES	1.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Uranium-235	0.0565	0.12	0.214	0.152	BTV	-	-	-	-	0.0565	-	YES	1.41	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Uranium-235	0.132	0.112	0.211	0.152	BTV	-	-	-	-	0.132	-	YES	1.39	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Uranium-235	0.18	0.146	0.199	0.152	BTV	YES	-	-	-	0.18	YES	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Uranium-235	0.0659	0.108	0.146	0.152	BTV	-	-	-	-	0.0659	-	-	0.96	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Uranium-235	0.0753	0.102	0.196	0.152	BTV	-	-	-	-	0.0753	-	YES	1.29	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Uranium-235	0.0873	0.139	0.249	0.152	BTV	-	-	-	-	0.0873	-	YES	1.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Uranium-235	0.132	0.114	0.157	0.152	BTV	-	-	-	-	0.132	-	YES	1.03	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Uranium-235	0.0784	0.116	0.208	0.152	BTV	-	-	-	-	0.0784	-	YES	1.37	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Uranium-235	-0.0956	0.122	0.21	0.152	BTV	-	-	-	-	-0.0956	-	YES	1.38	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Uranium-235	0.079	0.113	0.207	0.152	BTV	-	-	-	-	0.079	-	YES	1.36	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Uranium-235	0.0472	0.148	0.262	0.152	BTV	-	-	-	-	0.0472	-	YES	1.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Uranium-235	0.0469	0.0914	0.166	0.152	BTV	-	-	-	-	0.0469	-	YES	1.09	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Uranium-235	0.0992	0.135	0.241	0.152	BTV	-	-	-	-	0.0992	-	YES	1.59	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Uranium-235	0.156	0.144	0.262	0.152	BTV	YES	-	-	-	0.156	YES	YES	1.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Uranium-235	0.0549	0.107	0.197	0.152	BTV	-	-	-	-	0.0549	-	YES	1.30	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Uranium-235	0.151	0.146	0.19	0.152	BTV	-	-	-	-	0.151	-	YES	1.25	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Uranium-235	0.00596	0.147	0.258	0.152	BTV	-	-	-	-	0.00596	-	YES	1.70	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Uranium-235	0.00612	0.122	0.212	0.152	BTV	-	-	-	-	0.00612	-	YES	1.39	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Uranium-235	0.0331	0.109	0.195	0.152	BTV	-	-	-	-	0.0331	-	YES	1.28	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Uranium-235	0.0525	0.0845	0.15	0.152	BTV	-	-	-	-	0.0525	-	-	0.99	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Uranium-235	-0.0686	0.13	0.219	0.152	BTV	-	-	-	-	-0.0686	-	YES	1.44	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Uranium-235	-0.0114	0.111	0.2	0.152	BTV	-	-	-	-	-0.0114	-	YES	1.32	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Uranium-235	0.00606	0.102	0.183	0.152	BTV	-	-	-	-	0.00606	-	YES	1.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Uranium-235	0.0398	0.122	0.189	0.152	BTV	-	-	-	-	0.0398	-	YES	1.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Uranium-235	0.11	0.103	0.188	0.152	BTV	-	-	-	-	0.11	-	YES	1.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Uranium-235	0.0353	0.102	0.18	0.152	BTV</															

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/8/2010	LOX-1D	LXWC0069	LXWC0069S001	Soil	Uranium-235	0.236	0.146	0.175	0.152	BTV	YES	YES	0.236	YES	-	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264405	Waste
10/8/2010	LOX-1D	LXWC0070	LXWC0070S001	Soil	Uranium-235	0.0467	0.121	0.22	0.152	BTV	-	-	-	-	0.0467	-	YES	1.45	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Uranium-235	0.145	0.149	0.252	0.152	BTV	-	-	-	-	0.145	-	YES	1.66	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Uranium-235	0.0382	0.102	0.183	0.152	BTV	-	-	-	-	0.0382	-	YES	1.20	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Uranium-235	0.0319	0.11	0.202	0.152	BTV	-	-	-	-	0.0319	-	YES	1.33	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Uranium-235	-0.0535	0.0865	0.147	0.152	BTV	-	-	-	-	-0.0535	-	-	0.97	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Uranium-235	0.0478	0.0954	0.17	0.152	BTV	-	-	-	-	0.0478	-	YES	1.12	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Uranium-235	0.0488	0.09	0.16	0.152	BTV	-	-	-	-	0.0488	-	YES	1.05	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Uranium-235	0.0418	0.0896	0.169	0.152	BTV	-	-	-	-	0.0418	-	YES	1.11	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0079	LXWC0079S001	Soil	Uranium-235	-0.0166	0.115	0.201	0.152	BTV	-	-	-	-	-0.0166	-	YES	1.32	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #4	270159	Waste
4/17/2013	LOX-1D	LXWC0069	LXWC0069AS001	Soil	Uranium-235/236	0.0275	0.0371	0.0275	0.152	BTV	-	-	-	-	0.0275	-	-	0.18	pCi/g	2 sigma	DOE EML HASL-300, U-02-RC Modified	GEL	Re-sample	324087	Waste
10/13/2010	LOX-1A	LXWC0001	LXWC0001S001	Soil	Uranium-238	0.977	1.33	2.48	1.96	BTV	-	-	-	-	0.977	-	YES	1.27	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0002	LXWC0002S001	Soil	Uranium-238	0.596	0.866	1.05	1.96	BTV	-	-	-	-	0.596	-	-	0.54	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0003	LXWC0003S001	Soil	Uranium-238	1.96	1.27	1.38	1.96	BTV	-	YES	1.96	-	-	-	-	0.70	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1A	LXWC0004	LXWC0004S001	Soil	Uranium-238	1.91	0.872	0.932	1.96	BTV	-	YES	1.91	-	-	-	-	0.48	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264660	Waste
10/13/2010	LOX-1B-1	LXWC0005	LXWC0005S001	Soil	Uranium-238	0.755	1.24	1.5	1.96	BTV	-	-	-	-	0.755	-	-	0.77	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0006	LXWC0006S001	Soil	Uranium-238	1.31	1.03	1.3	1.96	BTV	-	YES	1.31	-	-	-	-	0.66	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0007	LXWC0007S001	Soil	Uranium-238	0.961	0.829	1.06	1.96	BTV	-	-	-	-	0.961	-	-	0.54	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0008	LXWC0008S001	Soil	Uranium-238	0.481	0.959	1.34	1.96	BTV	-	-	-	-	0.481	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0009	LXWC0009S001	Soil	Uranium-238	1.38	0.552	0.467	1.96	BTV	-	YES	1.38	-	-	-	-	0.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0010	LXWC0010S001	Soil	Uranium-238	0.532	1.67	1.63	1.96	BTV	-	-	-	-	0.532	-	-	0.83	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/13/2010	LOX-1B-1	LXWC0011	LXWC0011S001	Soil	Uranium-238	0.715	0.862	1.11	1.96	BTV	-	-	-	-	0.715	-	-	0.57	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264664	Waste
10/12/2010	LOX-1B-2	LXWC0012	LXWC0012S001	Soil	Uranium-238	1.68	0.658	0.62	1.96	BTV	-	YES	1.68	-	-	-	-	0.32	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0013	LXWC0013S001	Soil	Uranium-238	1.08	1.02	1.3	1.96	BTV	-	-	-	-	1.08	-	-	0.66	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0014	LXWC0014S001	Soil	Uranium-238	0.498	1.16	1.38	1.96	BTV	-	-	-	-	0.498	-	-	0.70	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0015	LXWC0015S001	Soil	Uranium-238	1.02	0.461	0.414	1.96	BTV	-	YES	1.02	-	-	-	-	0.21	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0016	LXWC0016S001	Soil	Uranium-238	0.861	0.709	0.907	1.96	BTV	-	-	-	-	0.861	-	-	0.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/12/2010	LOX-1B-2	LXWC0017	LXWC0017S001	Soil	Uranium-238	0.77	1.52	2.26	1.96	BTV	-	-	-	-	0.77	-	YES	1.15	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264562	Waste
10/11/2010	LOX-1B-2	LXWC0018	LXWC0018S001	Soil	Uranium-238	1.11	0.958	0.88	1.96	BTV	-	YES	1.11	-	-	-	-	0.45	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/11/2010	LOX-1B-2	LXWC0019	LXWC0019S001	Soil	Uranium-238	0.243	1.01	1.3	1.96	BTV	-	-	-	-	0.243	-	-	0.66	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264499	Waste
10/13/2010	LOX-1B-3	LXWC0020	LXWC0020S001	Soil	Uranium-238	1.01	1.21	1.34	1.96	BTV	-	-	-	-	1.01	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/8/2010	LOX-1B-3	LXWC0021	LXWC0021S001	Soil	Uranium-238	1.64	1.04	1.41	1.96	BTV	-	YES	1.64	-	-	-	-	0.72	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/11/2010	LOX-1B-3	LXWC0022	LXWC0022S001	Soil	Uranium-238	0.475	1.75	2.28	1.96	BTV	-	-	-	-	0.475	-	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0023	LXWC0023S001	Soil	Uranium-238	0.892	0.489	0.457	1.96	BTV	-	YES	0.892	-	-	-	-	0.23	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0024	LXWC0024S001	Soil	Uranium-238	0.989	1.03	1.44	1.96	BTV	-	-	-	-	0.989	-	-	0.73	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/13/2010	LOX-1B-3	LXWC0025	LXWC0025S001	Soil	Uranium-238	0.538	1.39	2.57	1.96	BTV	-	-	-	-	0.538	-	YES	1.31	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/11/2010	LOX-1B-3	LXWC0026	LXWC0026S001	Soil	Uranium-238	1.95	1.11	1.34	1.96	BTV	-	YES	1.95	-	-	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0027	LXWC0027S001	Soil	Uranium-238	1.36	0.981	1.08	1.96	BTV	-	YES	1.36	-	-	-	-	0.55	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0028	LXWC0028S001	Soil	Uranium-238	2.27	2.29	2.28	1.96	BTV	YES	-	-	-	2.27	YES	YES	1.16	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/13/2010	LOX-1B-3	LXWC0029	LXWC0029S001	Soil	Uranium-238	1.18	1.06	1.33	1.96	BTV	-	-	-	-	1.18	-	-	0.68	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264661	Waste
10/12/2010	LOX-1B-3	LXWC0030	LXWC0030S001	Soil	Uranium-238	1.5	1.03	1.94	1.96	BTV	-	-	-	-	1.5	-	-	0.99	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
1/7/2011	LOX-1B-3	LXWC0031	LXWC0031AS001	Soil	Uranium-238	0.715	1.4	1.15	1.96	BTV	-	-	-	-	0.715	-	-	0.59	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sample	270159	Waste
10/12/2010	LOX-1B-3	LXWC0031	LXWC0031S001	Soil	Uranium-238	0.428	1.43	1.52	1.96	BTV	-	-	-	-	0.428	-	-	0.78	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	Re-sampled	264559	Waste
10/11/2010	LOX-1B-3	LXWC0032	LXWC0032S001	Soil	Uranium-238	0.477	0.863	1.08	1.96	BTV	-	-	-	-	0.477	-	-	0.55	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0033	LXWC0033S001	Soil	Uranium-238	0.611	0.732	0.88	1.96	BTV	-	-	-	-	0.611	-	-	0.45	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/11/2010	LOX-1B-3	LXWC0034	LXWC0034S001	Soil	Uranium-238	0.758	0.689	0.9	1.96	BTV	-	-	-	-	0.758	-	-	0.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/12/2010	LOX-1B-3	LXWC0035	LXWC0035S001	Soil	Uranium-238	0.512	0.755	0.938	1.96	BTV	-	-	-	-	0.512	-	-	0.48	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264559	Waste
10/11/2010	LOX-1B-3	LXWC0036	LXWC0036S001	Soil	Uranium-238	1.3	1.02	1.38	1.96	BTV	-	-	-	-	1.3	-	-	0.70	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264490	Waste
10/8/2010	LOX-1B-3	LXWC0037	LXWC0037S001	Soil	Uranium-238	1.1	1.36	2.5	1.96	BTV	-	-	-	-	1.1	-	YES	1.28	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264402	Waste
10/8/2010	LOX-1B-3	LXWC0038	LXWC0038S001	Soil	Uranium-238	0.731	0.654	1.19	1.96	BTV	-	-	-	-	0.73										

LOX NASA ISRA Soil Data
All Chem, Radionuclides < LUT (pCi/g)

Sampling Date	Sampling Location (General)	Sampling Location (Specific)	Sample Serial Number	Media Type	Isotope	Activity	Error (+/-)	MDC	DTSC LUT	LUT Source	Activity > LUT ?	Activity > MDC ?	Detected Activity	Detected Activity > LUT ?	Non-detect Activity	Non-detect Activity > LUT ?	MDC > LUT ?	Ratio of MDC to LUT	Units	Error Type	Analysis Protocol	Analysis Organization	Comments	Document	Status
10/8/2010	LOX-1D	LXWC0071	LXWC0071S001	Soil	Uranium-238	0.539	1.35	1.55	1.96	BTV	-	-	-	-	0.539	-	-	0.79	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL		264405	Waste
1/7/2011	LOX-1B-3	LXWC0072	LXWC0072S001	Soil	Uranium-238	1.2	1.11	1.05	1.96	BTV	-	YES	1.2	-	-	-	-	0.54	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #1	270159	Waste
1/7/2011	LOX-1B-3	LXWC0073	LXWC0073S001	Soil	Uranium-238	1.22	1.39	1.36	1.96	BTV	-	-	-	-	1.22	-	-	0.69	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0074	LXWC0074S001	Soil	Uranium-238	0.468	1.11	1.17	1.96	BTV	-	-	-	-	0.468	-	-	0.60	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0075	LXWC0075S001	Soil	Uranium-238	1.57	1.29	0.893	1.96	BTV	-	YES	1.57	-	-	-	-	0.46	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0031 Stepout #4	270159	Waste
1/7/2011	LOX-1B-3	LXWC0077	LXWC0077S001	Soil	Uranium-238	0.872	1.49	1.26	1.96	BTV	-	-	-	-	0.872	-	-	0.64	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #2	270159	Waste
1/7/2011	LOX-1B-3	LXWC0078	LXWC0078S001	Soil	Uranium-238	1.73	0.662	0.469	1.96	BTV	-	YES	1.73	-	-	-	-	0.24	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #3	270159	Waste
1/7/2011	LOX-1B-3	LXWC0079	LXWC0079S001	Soil	Uranium-238	0.924	1.6	1.43	1.96	BTV	-	-	-	-	0.924	-	-	0.73	pCi/g	2 sigma	DOE HASL 300, 4.5.2.3/Ga-01-R	GEL	LXWC0050 Stepout #4	270159	Waste