0079006

SAF-RC-075
100-D/DR Burial Grounds & Remaining Sites – Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21 KW 10/28/08
INITIAL/DATE

RECEIVED
NOV 03 2008
EDMC

COMMENTS:

SDG J00206 SAF RC-075

Rad only X Chem only Rad & Chem

X Complete Partial

Waste Site: 100-D-31:6, Verification I

Analytical Data Package Prepared For

Washington Closure Hanford

RECEIVED
OCT 2008

Radiochemical Analysis By

TestAmerica

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: TARL

Data Package Contains 30 ***Pages***

Report No.: 40041

Results in this report relate only to the sample(s) analyzed.

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
J00206	RC-075	J17JL7	J8J090241-1	K0HJR1AA	9K0HJR10	8283484
		J17JL8	J8J090241-2	K0HJ61AA	9K0HJ610	8283484
		J17JL9	J8J090241-3	K0HJ91AA	9K0HJ910	8283484
		J17JM0	J8J090241-4	K0HKA1AA	9K0HKA10	8283484
		J17JM1	J8J090241-5	K0HKL1AA	9K0HKL10	8283484
		J17JM2	J8J090241-6	K0HKV1AA	9K0HKV10	8283484
		J17JM3	J8J090241-7	K0HK41AA	9K0HK410	8283484
		J17JM4	J8J090241-8	K0HLA1AA	9K0HLA10	8283484

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Washington Hanford Closure
2620 Fermi Avenue
Richland, WA 99354

October 24, 2008

Attention: Joan Kessner

SAF Number	:	RC-075
Date SDG Closed	:	October 9, 2008
Number of Samples	:	Eight (8)
Sample Type	:	Soil
SDG Number	:	J00206
Data Deliverable	:	15-Day / Summary

CASE NARRATIVE

I. Introduction

On October 9, 2008 eight soil samples were received at TestAmerica for chemistry analysis. Upon receipt, the samples were assigned the following laboratory ID number to correspond with the Washington Closure Hanford (WCH) specific ID:

WCH ID#	TARL ID#	MATRIX	DATE OF RECEIPT
J17JL7	K0HJR	SOIL	10/9/08
J17JL8	K0HJ6	SOIL	10/9/08
J17JL9	K0HJ9	SOIL	10/9/08
J17JM0	K0HKA	SOIL	10/9/08
J17JM1	K0HKL	SOIL	10/9/08
J17JLM2	K0HKV	SOIL	10/9/08
J17JLM3	K0HK4	SOIL	10/9/08
J17JLM4	K0HLA	SOIL	10/9/08

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors. The requested analyses were:

Chemical Analysis
Hexavalent Chromium by EPA method 7196A

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

Chemical Analysis
Hexavalent Chromium by EPA method 7196A:
The LCS, batch blank, sample, sample duplicate (J17JL7) and sample matrix spike (J17JL7) results are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

Sandra Seger
Project Manager

Drinking Water Method Cross References

	DRINKING WATER ASTM METHOD CROSS REFERENCES	
Referenced Method	**Isotope(s)**	**TestAmerica Richland's SOP No.**
EPA 901.1	Cs-134, I-131	RICH-RC-5017
EPA 900.0	Alpha & Beta	RICH-RC-5014
EPA 00-02	Gross Alpha (Coprecipitation)	RICH-RC-5021
EPA 903.0	Total Alpha Radium (Ra-226)	RICH-RC-5027
EPA 903.1	Ra-226	RICH-RC-5005
EPA 904.0	Ra-228	RICH-RC-5005
EPA 905.0	Sr-89/90	RICH-RC-5006
ASTM D5174	Uranium	RICH-RC-5058
EPA 906.0	Tritium	RICH-RC-5007

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, R = constants * f(x,y,z,...). The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/? n), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) ***u_c - Combined Uncertainty.***	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, ***u_c the combined uncertainty.*** The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or TestAmerica "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. Lc=(1.645 * Sqrt(2*(BkgrndCnt/BkgrndCntMin)/SCntMin)) * (ConvFct/(Eff*Yld*Abn*Vol) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC|MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. MDC = (4.65 * Sqrt((BkgrndCnt/BkgrndCntMin)/SCntMin) + 2.71/SCntMin) * (ConvFct/(Eff * Yld * Abn * Vol) * IngrFct). For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the **Work Order** Number.
RER	The equation Replicate Error Ratio = (S-D)/[sqrt($TPUs^2$ + $TPUd^2$)] as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by TestAmerica upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Isotope	Richland SOP #	Old Richland SOP #	Method Reference	Title
Asbestos	RL-ASB-001	N/A	NIOSH 7400	Fiber Counting by Phase Contrast Microscopy based on NIOSH 7400
Asbestos	RL-ASB-002	N/A	NIOSH 9002	Sample Prep and Analysis for Asbestos (bulk) by Polarized Light Microsopy based on NIOSH 9002
Alpha - Gross	ARCHIVED	RICH-RB-5035	Liquid Scintillation Anal/ Packard	DETERMINATION OF GROSS ALPHA IN NASAL SMEARS BY LIQUID SCINTILLATION COUNTING
Alpha - Gross	RL-GPC-001	RICH-RC-5014	9310 / EPA SW846 900.0 / EPA 600	DETERMINATION OF GROSS ALPHA AND GROSS BETA IN WATER BY METHOD 9310
Alpha - Gross	RL-GPC-007	RICH-RC-5020	SM 7110B EPA 680	DETERMINATION OF GROSS ALPHA AND GROSS BETA IN SOIL, SHORELINE SOIL, FOOD AND VEGETATION
Alpha - Gross	RL-GPC-002	RICH-RC-5021	00-02 EPA 520	DETERMINATION OF GROSS ALPHA ACTIVITY IN WATER BY COPRECIPITATION
Alpha - Gross	RL-GPC-008	RICH-RC-5036	ER100 / LANL	PREPARATION OF AIR FILTERS FOR GROSS ALPHA/BETA AND COMPOSITING AIR FILTERS
Am	RL-ALP-003	RICH-RC-5072	Mod RP 725 / DOE0089T EXT Chromatography	SEPARATION OF AMERICIUM, CURIUM, AND URANIUM BY EXTRACTION CHROMATOGRAPHY
Am	RL-ALP-010	RICH-RC-5080	Am03/Pu11HASL 300 NAS-NS-3006	SEQUENTIAL SEPARATION OF PLUTONIUM AND AMERICIUM
Beta - Gross	RL-GPC-001	RICH-RC-5014	9310 / EPA SW846 900.0 / EPA 600	DETERMINATION OF GROSS ALPHA AND GROSS BETA IN WATER BY METHOD 9310
Beta - Gross	RL-GPC-007	RICH-RC-5020	SM 7110B EPA 680	DETERMINATION OF GROSS ALPHA AND GROSS BETA IN SOIL, SHORELINE SOIL, FOOD AND VEGETATION
Beta - Gross	RL-GPC-008	RICH-RC-5036	ER100 / LANL	PREPARATION OF AIR FILTERS FOR GROSS ALPHA/BETA AND COMPOSITING AIR FILTERS
C14	RL-LSC-001	RICH-RB-5013	Mod H-02 / EPA 520	TRITIUM, CARBON-14, NICKEL-63 OR PHOSPHORUS-32 ANALYSIS IN URINE
C14	RL-LSC-008	RICH-RC-5022	EPA C-01 / EPA 520	CARBON 14 BY DIGESTION METHOD
C14	RL-LSC-009	RICH-RC-5040	Mod C14 / EPA 680	DETERMINATION OF CARBON-14 BY BENZENE SYNTHESIS
C14	RL-LSC-010	RICH-RC-5046	EPA C-01 / EPA 520	DETERMINATION OF CARBON-14 IN GRAPHITE AND SOIL
C14	RL-LSC-011	RICH-RC-5047	Mod H-02 / EPA 520	DETERMINATION OF CARBON-14 IN WATER BY DIRECT COUNTING
Cm	RL-ALP-003	RICH-RC-5072	Mod RP 725 / DOE0089T EXT Chromatography	SEPARATION OF AMERICIUM, CURIUM, AND URANIUM BY EXTRACTION CHROMATOGRAPHY
Coliform	RL-WC-001	RICH-WC-5001	9222B	DETERMINATION OF TOTAL COLIFORM: MULTIPLE TUBE FERMENTATION TECHNIQUE
Coliform	RL-WC-002	RICH-WC-5002	9131	TOTAL COLIFORMS BY MEMBRANE FILTRATION
Coliform	RL-WC-005	RICH-WC-5007	9223	TOTAL COLIFORM BY THE COLILERT METHOD
Cr6+	RL-WC-003	RICH-WC-5003	7196A, SW846	DETERMINATION OF HEXAVALENT CHROMIUM [Cr(VI)] IN WATER, SOIL, AND SIMILAR MATRICES
Cr6+	RL-WC-004	RICH-WC-5005	3060 / SW846	DETERMINATION OF HEXAVALENT CHROMIUM (CrVI) IN SOLID MATRICES WITH ALKALINE DIGESTION
Fe	RL-LSC-015	RICH-RC-5074	EXT Chromatography ModFe55/PNL-ALO-435	SEPARATION OF IRON AND NICKEL BY EXTRACTION CHROMATOGRAPHY
Fe55	RL-LSC-016	RICH-RC-5023	R4-73-014 / EPA HASL 300	DETERMINATION OF IRON-55 AND IRON-59 IN WATER
Fe59	RL-LSC-016	RICH-RC-5023	R4-73-014 / EPA HASL 300	DETERMINATION OF IRON-55 AND IRON-59 IN WATER
Gamma	RL-GAM-001	RICH-RC-5017	901.0 / HASL 300 ASTM D3649	PREPARATION OF ALL MATRICES FOR ANALYSIS BY GAMMA SPECTROSCOPY
H3	RL-LSC-001	RICH-RB-5013	Mod H-02 / EPA 520	TRITIUM, CARBON-14, NICKEL-63 OR PHOSPHORUS-32 ANALYSIS IN URINE
H3	RL-LSC-003	RICH-RB-5034	7500-3 / SM	DETERMINATION OF TRITIUM IN URINE BY DISTILLATION
H3	RL-LSC-004	RICH-RC-5004	H3 / EPA LV539	DETERMINATION OP TRITIUM IN AIR
H3	RL-LSC-005	RICH-RC-5007	Mod 906.0 / EPA 600	SEPARATION OF TRITIUM IN WATER AND AQUEOUS COMPONENT OF WINE
H3	RL-LSC-007	RICH-RC-5024	H-3 by EE EPA LV539 / HASL 300	DETERMINATION OF LOW LEVEL TRITIUM IN WATER BY ELECTROLYTIC ENRICHMENT
H3	RL-LSC-002	RICH-RC-5037	H-3 in Water/Tissue / LV 539	DETERMINATION OF TRITIUM BY CRYOGENIC DISTILLATION
H3	RL-LSC-006	RICH-RC-5048	H-3 in Water/Tissue / LV 539	TRITIUM PREPARATION IN MILK SAMPLES
I129	RL-GAM-002	RICH-RC-5025	R4-73-014I/EPA ASTM D2334 (Discontinued)	DETERMINATION OF IODINE-131 AND 129 IN WATER BY SOLVENT EXTRACTION METHOD
I131	RL-GAM-002	RICH-RC-5025	R4-73-014I/EPA ASTM D2334 (Discontinued)	DETERMINATION OF IODINE-131 AND 129 IN WATER BY SOLVENT EXTRACTION METHOD
I131	ARCHIVED	RICH-RC-5049	HASL 300 (1983)	DETERMINATION OF IODINE-131 IN MILK BY BATCH ION-EXCHANGE
Metals	ARCHIVED	BHI-MT-0001	6010	ICP-AE SPECTROSCOPY, SPECTROMETRIC METHOD FOR TRACE ELEMENT ANALYSIS, METHOD 6010A FOR Berthel

Isotope	Richland SOP #	Old Richland SOP #	Method Reference	Title
Metals	RL-MT-001	RICH-MT-0001	6010B	ICP-AES for TRACE ELEMENT ANALYSIS, METHOD 6010B
Metals	RL-MT-002	RICH-MT-0002	SW486 3050B	ACID DIGESTION FOR ICP ANALYSIS
Metals	RL-MT-003	RICH-MT-0003	NIOSH 7300	DIGESTION PREP based on METHOD NIOSH 7300
Ni	RL-LSC-015	RICH-RC-5074	EXT Chromatography ModFe55/PNL-ALO-435	SEPARATION OF IRON AND NICKEL BY EXTRACTION CHROMATOGRAPHY
Ni63	RL-LSC-001	RICH-RB-5013	Mod H-02 / EPA 520	TRITIUM, CARBON-14, NICKEL-63 OR PHOSPHORUS-32 ANALYSIS IN URINE
Ni63	RL-LSC-017	RICH-RC-5069	EXT Chromatography Mod RP300 / DOE0089T	SEPARATION OF Ni-63 BY EXTRACTION CHROMATOGRAPHY
Np	RL-ALP-013	RICH-RC-5009	NAS-NS-3060	DETERMINATION OF NEPTUNIUM-237 BY LIQUID-LIQUID EXTRACTION IN ALL MATRICES
Np	RL-ALP-006	RICH-RC-5064	EXT Chromatography	SEPARATION OF NEPTUNIUM BY EXTRACTION CHROMATOGRAPHY
P32	RL-LSC-001	RICH-RB-5013	Mod H-02 / EPA 520	TRITIUM, CARBON-14, NICKEL-63 OR PHOSPHORUS-32 ANALYSIS IN URINE
Pb	RL-ALP-011	RICH-RC-5076	EXT Chromatography	DETERMINATION OF LEAD-210 BY EXTRACTION CHROMATOGRAPHY
Po	RL-ALP-007	RICH-RB-5001	NAS-NS-3037 HASL 300	DETERMINATION OF POLONIUM-210 IN URINE
Po	RL-ALP-012	RICH-RC-5012	Po-01 / HASL 300 Mod U01 HASL 300	SEPARATION OF ISOTOPIC URANIUM AND POLONIUM-210 IN WATER, SOIL AND FILTERS
Prep - Bioassay	ARCHIVED	RICH-RB-0001		PREPARATION FOR RAPID BIOASSAY ANALYSES
Prep - Bioassay	RL-PRP-001	RICH-RB-5002	Mod Pu06 / HASL 300	PREPARATION OF URINE AND BLOOD SAMPLES
Prep - Bioassay	ARCHIVED	RICH-RB-5004	ASTM D1429-95	DETERMINATION OF SPECIFIC GRAVITY OF URINE
Prep - Bioassay	RL-RPL-002	RICH-RB-5036	Pub 6490,6601 / PNL	PREPARATION OF SYNTHETIC URINE AND FECES USING RECIPES FROM HPS N13.30 PREFORMANCE TESTING
Prep - Bioassay	RL-PRP-002	RICH-RB-5037	LA-10300-M R200 ASTM D3865	PREPARATION OF FECAL SAMPLES USING HYDROFLUORIC ACID DIGESTION
Prep - Bioassay	RL-RPL-003	RICH-RC-5028	ICRP Publication 23	PREPARATION OF SYNTHETIC URINE AND FECES
Prep - Count	RL-ALP-016	RICH-RC-5003	G-03 / HASL 300	COPRECIPITATION OF SOME ACTINIDES ON NEODYMIUM FLUORIDE FOR ALPHA-PARTICLE SPECTROMETRY
Prep - Count	RL-ALP-015	RICH-RC-5039	G-03 / HASL 300 Anal Chem 1972	ELECTRODEPOSITION OF ACTINIDES
Prep - Count	RL-ALP-014	RICH-RC-5085	Morrison & Freiser NAS-NS-3050	ANHYDROUS ETHER EXTRACTION OF URANIUM
Prep - Env	RL-KPA-001	RICH-RC-5015	ASTM / D5174-97	ENVIRONMENTAL SAMPLE PREPARATION FOR URANIUM BY LASER-INDUCED PHOSPHORESCENCE
Prep - Env	RL-PRP-004	RICH-RC-5016	Sr02 / HASL 300	PREPARATION OF ENVIRONMENTAL MATRICES
Prep - Env	RL-PRP-007	RICH-RC-5045	Mod Pu02 / HASL 300	PREPARATION OF MIXED BED RESINS AND PRE-FILTERS
Prep - Env	RL-PRP-008	RICH-RC-5068	Mod ER100 / LA10300	PREPARATION OF SOIL, VEGETATION AND AIR FILTERS BY MIXED STRONG ACID LEACHING
Prep - Resin	RL-ALP-017	RICH-RC-5018	Mod Pu11 / Mod 300	ION-EXCHANGE PREPARATION
Prep - Soil	RL-PRP-003	RICH-RC-5013	Pu02A / HASL 300	PREPARATION OF SOIL SAMPLES
Prep - Soil	RL-PRP-005	RICH-RC-5019	D5259 / ASTM SW 846/3015/3051/3052	PREPARATION AND DISSOLUTION OF SEDIMENTS AND SOIL BY MICROWAVE BOMB DIGESTION
Prep - Soil	RL-PRP-006	RICH-RC-5032	Pu02A / HASL 300	COMPLETE DISSOLUTION BY MIXED ACIDS IN A TEFLON BEAKER
Prep - Soil	RL-PRP-009	RICH-RC-5077	Mod ER100 / LA10300	PREPARATION OF SMALL SOIL SAMPLES FOR GAMMA SPEC AND/OR RADIOCHEM ANAL BY ACID DIGESTION
Prep - Urine	RL-PRP-010	RICH-RC-5086	AnalyticaChemActa1992 RP800 / DOE00089T	URINE AND WATER SAMPLE PREPARATION BY CALCIUM PHOSPHATE PRECIPITATION
Prep - Water	RL-PRP-010	RICH-RC-5086	AnalyticaChemActa1992 RP800 / DOE00089T	URINE AND WATER SAMPLE PREPARATION BY CALCIUM PHOSPHATE PRECIPITATION
Pu	ARCHIVED	RICH-RB-5015	Pu11 / HASL 300	RAPID DETERMINATION OF PLUTONIUM IN FECES
Pu	RL-ALP-002	RICH-RC-5010	Pu11 / HASL 300	DETERMINATION OF ISOTOPIC PLUTONIUM IN ALL MATRICES
Pu	RL-ALP-010	RICH-RC-5080	Am03 HASL 300 Pu11 / HASL 300	SEQUENTIAL SEPARATION OF PLUTONIUM AND AMERICIUM
Pu	RL-ALP-001	RICH-RC-5087	AnalyticaChemActa1992 RP800 / DOE00089T	DETERMINATION OF PLUTONIUM BY EXTRACTION CHROMATOGRAPHY
Ra	RL-RA-001	RICH-RC-5005	903.1 / EPA 600	RADIUM-226 AND RADIUM-228 SEPARATION IN RADIOCHEMICAL MATRICES - ADAPTED FROM EPA 903.1 AND 904.0
Ra	RL-RA-001	RICH-RC-5005	904.0 / EPA 600	RADIUM-226 AND RADIUM-228 SEPARATION IN RADIOCHEMICAL MATRICES - ADAPTED FROM EPA 903.1 AND 904.0

Isotope	Richland SOP #	Old Richland SOP #	Method Reference	Title
Ra	RL-RA-002	RICH-RC-5027	Mod D2460/ ASTM 903.0 / EPA 600	DETERMINATION OF TOTAL RADIUM
Rn	RL-LSC-019	RICH-RC-5082	913.0 / EPA	DETERMINATION OF RADON-222 - ADAPTED FROM METHOD 913.0
S35	ARCHIVED	RICH-RB-5020	Hillebrand, Lundeell, Bright, Hoffman 1953	DETERMINATION OF SULFUR-35 IN URINE
Se79	RL-LSC-012	RICH-RC-5043	Selenium / NAS-NS-3030	RADIOCHEMICAL DETERMINATION OF SELENIUM-79
Solubility	ARCHIVED	RICH-RC-5035	Kalfward&Thomas PNL3716	DETERMINATION OF SOLUBILITY OF RADIOACTIVE PARTICLE CONSTITUENTS
Sr	RL-GPC-005	RICH-RB-5007	Mod Sr02 / HASL 300 Mod 905.0 / EPA 600	DETERMINATION OF TOTAL STRONTIUM IN URINE
Sr	RL-GPC-006	RICH-RB-5021	Mod Sr02 / HASL300 Mod 905.0 / EPA 600	DETERMINATION OF STRONTIUM IN FECES
Sr	ARCHIVED	RICH-RB-5022	Mod Sr02 / HASL300 Mod 905.0 / EPA 600	DETERMINATION OF TOTAL STRONTIUM IN URINE FOR RAPID ANALYSIS
Sr	ARCHIVED	RICH-RB-5031	Mod Sr02 / HASL300 Mod 905.0 / EPA 600	RAPID DETERMINATION OF TOTAL STRONTIUM IN FECES
Sr	RL-GPC-003	RICH-RC-5006	Mod Sr02 / HASL300 Mod 905.0 / EPA 600	STRONTIUM SEPARATION IN ENVIROMENTAL MATRICES
Sr - Yt	RL-GPC-004	RICH-RC-5071	Mod Sr02 / HASL300 Mod 905.0 / EPA 600	YTTRIUM-90 SEPARATION FOR STRONTIUM-90 DETERMINATION IN ALL MATRICES
Tc	RL-LSC-014	RICH-RC-5065	EXT Chromatography Mod RP550 / DOE0089T	DETERMINATION OF TECHNETIUM-99 BY EXTRACTION CHROMATOGRAPHY
Tc	RL-LSC-013	RICH-RC-5078	Tc01 / HASL 300	SEPARATION OF TECHNETIUM-99 IN ALL MATRICES
Th	RL-ALP-008	RICH-RB-5006	Mod Th01 / HASL 300	SEPARATION OF THORIUM FROM URINE AND FECAL SAMPLES
Th	RL-ALP-005	RICH-RC-5084	Mod Th01 / HASL 300 Anal Chim Acta 1982	DETERMINATION OF THORIUM ISOTOPIC IN ENVIRONMENTAL MATRICES
U	RL-ALP-012	RICH-RC-5012	Po-01 / HASL 300 Mod U01 / HASL 300	SEPARATION OF ISOTOPIC URANIUM AND POLONIUM-210 IN WATER, SOIL AND FILTERS
U	RL-KPA-002	RICH-RC-5031	Mod U01 / HASL 300	SEPARATION OF TOTAL URANIUM IN WATER AND URINE
U	RL-KPA-003	RICH-RC-5058	D5174 / ASTM	DETERMINATION OF URANIUM BY PHOSPHORESCENCE ANALYSIS
U	RL-ALP-004	RICH-RC-5067	EXT Chromatography Mod RP725 / DOE0089T	SEPARATION OF URANIUM BY EXTRACTION CHROMATOGRAPHY
U	RL-ALP-003	RICH-RC-5072	EXT Chrom Mod RP725 & 800 / DOE0089T	SEPARATION OF AMERICIUM, CURIUM, AND URANIUM BY EXTRACTION CHROMATOGRAPHY
U	RL-ALP-009	RICH-RC-5079	EXT Chromatography Mod RP725 / DOE0089T	DETERMINATION OF ISOTOPIC URANIUM IN ALL MATRICES

Sample Results Summary

Date: 23-Oct-08

TestAmerica TARL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 40041

SDG No: J00206

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	MDC or MDA	CRDL	RPD
8283484	7196_CR6								
	J17JL7								
	K0HJR1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	K0HJR1AE	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	0.0
	J17JL8								
	K0HJ61AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	J17JL9								
	K0HJ91AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	J17JM0								
	K0HKA1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	J17JM1								
	K0HKL1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	J17JM2								
	K0HKV1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A	3.50E-01	3.50E-01	
	J17JM3								
	K0HK41AA	HEXCHROME	5.42E-01 +- 0.00E+00		mg/kg	N/A	3.50E-01	3.50E-01	
	J17JM4								
	K0HLA1AA	HEXCHROME	7.29E-01 +- 0.00E+00		mg/kg	N/A	3.50E-01	3.50E-01	

No. of Results: 9

TestAmerica

rptSTLRchSaSummary2 V5.1.8
A2002

RPD - Relative Percent Difference.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

QC Results Summary

Date: 23-Oct-08

TestAmerica TARL

Ordered by Method, Batch No, QC Type,.

Report No. : 40041

SDG No.: J00206

Batch Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Tracer Yield	LCS Recovery	Bias	MDC|MDA
7196_CR6								
8283484 MATRIX SPIKE, J17JL7								
K0HJR1AC	HEXCHROME	7.84E+00 +- 0.00E+00		mg/kg	N/A	78%	-0.2	3.50E-01
8283484 LCS,								
K0H9T1AC	HEXCHROME	1.82E+01 +- 0.00E+00		mg/kg	N/A	91%	-0.1	3.50E-01
8283484 BLANK QC,								
K0H9T1AA	HEXCHROME	3.50E-01 +- 0.00E+00	U	mg/kg	N/A			3.50E-01

No. of Results: 3

TestAmerica

rptSTLRchQcSummary V5.1.8 A2002

Bias - (Result/Expected)-1 as defined by ANSI N13.30.

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	TestAmerica	SDG:	J00206	Collection Date:	10/7/2008 10:15:00 AM
Lot-Sample No.:	J8J090241-1	Report No. :	40041	Received Date:	10/9/2008 9:00:00 AM
Client Sample ID:	J17JL7	COC No. :	RC-075-018	Matrix:	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			Work Order: K0HJR1AA			Report DB ID: 9K0HJR10					
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 Comments:

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	TestAmerica	**SDG:**	J00206	**Collection Date:**	10/7/2008 9:51:00 AM
Lot-Sample No.:	J8J090241-2	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	J17JL8	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:** K0HJ61AA			**Report DB ID:** 9K0HJ610					
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

12

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	**TestAmerica**	**SDG:**	J00206	**Collection Date:**	10/7/2008 9:10:00 AM
Lot-Sample No.:	**J8J090241-3**	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	**J17JL9**	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:**	K0HJ91AA		**Report DB ID:**	9K0HJ910				
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

13

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	TestAmerica	**SDG:**	J00206	**Collection Date:**	10/7/2008 9:17:00 AM
Lot-Sample No.:	J8J090241-4	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	J17JM0	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:**	K0HKA1AA		**Report DB ID:**	9K0HKA10				
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	TestAmerica	**SDG:**	J00206	**Collection Date:**	10/7/2008 2:40:00 PM
Lot-Sample No.:	J8J090241-5	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	J17JM1	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:** K0HKL1AA			**Report DB ID:** 9K0HKL10					
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

15

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	TestAmerica	SDG:	J00206	Collection Date:	10/7/2008 2:37:00 PM
Lot-Sample No.:	J8J090241-6	Report No. :	40041	Received Date:	10/9/2008 9:00:00 AM
Client Sample ID:	J17JM2	COC No. :	RC-075-018	Matrix:	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			Work Order:	K0HKV1AA		Report DB ID:	9K0HKV10				
HEXCHROME	***3.50E-01***	U		0.0E+00	3.50E-01	mg/kg	N/A	*(1.)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 Comments:

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	**TestAmerica**	**SDG:**	J00206	**Collection Date:**	10/7/2008 2:32:00 PM
Lot-Sample No.:	**J8J090241-7**	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	**J17JM3**	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:** K0HK41AA			**Report DB ID:** 9K0HK410					
HEXCHROME	***5.42E-01***			0.0E+00	3.50E-01	mg/kg	N/A	*(1.5)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM I

SAMPLE RESULTS

Date: 23-Oct-08

Lab Name:	**TestAmerica**	**SDG:**	J00206	**Collection Date:**	10/7/2008 10:15:00 AM
Lot-Sample No.:	**J8J090241-8**	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	**J17JM4**	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:**	K0HLA1AA		**Report DB ID:**	9K0HLA10				
HEXCHROME	***7.29E-01***			0.0E+00	3.50E-01	mg/kg	N/A	*(2.1)*	10/9/08		2.5	
							3.50E-01	*N/A*			G	

No. of Results: 1 **Comments:**

TestAmerica
rptSTLRchSample
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM II

Date: 23-Oct-08

DUPLICATE RESULTS

Lab Name:	TestAmerica	**SDG:**	J00206	**Collection Date:**	10/7/2008 10:15:00 AM
Lot-Sample No.:	J8J090241-1	**Report No. :**	40041	**Received Date:**	10/9/2008 9:00:00 AM
Client Sample ID:	J17JL7	**COC No. :**	RC-075-018	**Matrix:**	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			**Work Order:** K0HJR1AE		**Report DB ID:** K0HJR1ER			**Orig Sa DB ID:** 9K0HJR10			
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	10/9/08		2.5	
	3.50E-01	U	RPD 0.0			3.50E-01		N/A			G	

No. of Results: 1 **Comments:**

19

TestAmerica
rptSTLRchDupV5.1
.8 A2002

RPD - Relative Percent Difference.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM II

BLANK RESULTS

Date: 23-Oct-08

Lab Name: TestAmerica

SDG: J00206

Matrix: SOIL

Report No. : 40041

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			Work Order:	K0H9T1AA		Report DB ID:	K0H9T1AB				
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	10/9/08		2.5	
						3.50E-01		N/A			G	

No. of Results: 1 Comments:

20

TestAmerica
rptSTLRchBlank
V5.1.8 A2002

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

TESTAMERICA

FORM II

LCS RESULTS

Date: 23-Oct-08

Lab Name: TestAmerica

Matrix: SOIL

SDG: J00206

Report No. : 40041

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 8283484	7196_CR6			Work Order:	K0H9T1AC		Report DB ID:	K0H9T1AS					
HEXCHROME	1.82E+01			0.0E+00	3.50E-01	mg/kg	N/A	2.00E+01		91%	10/9/08	2.5	
							Rec Limits:	80	120	-0.1		G	

No. of Results: 1 Comments:

21

TestAmerica Bias - (Result/Expected)-1 as defined by ANSI N13.30.

rptSTLRchLcs
V5.1.8 A2002

TESTAMERICA

FORM II

MATRIX SPIKE RESULTS

Date: 23-Oct-08

Lab Name: TestAmerica **SDG:** J00206

Lot-Sample No.: J8J090241-1, J17JL7 **Report No. :** 40041 **Matrix:** SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Rpt Unit, CRDL	Yield	Rec-overy	Expected, Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 8283484	Work Order: K0HJR1AC			Report DB ID: K0HJR1CW			Orig Sa DB ID: 9K0HJR10					
HEXCHROME	7.84E+00			0.0E+00	3.50E-01	mg/kg	N/A	77.55%	1.01E+01	10/9/08	2.5	7196_CR6
	3.50E-01										G	

Number of Results: 1

Comments:

22

TestAmerica
rptSTLRchMs
V5.1.8 A2002

RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
Bias - (Result/Expected)-1 as defined by ANSI N13.30.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s): **8283484**

Lab Sample Numbers or SDG: **J00206** Due 1/24

Method/Test/Parameter: **Cr+6 in SOLID / RL-WC-004**

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration				
1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient within QC limits?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration				
1. CCV analyzed at required frequency and all parameters within QC limits?	✓			✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis	✓			
1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed?				✓
2. Were all sample holding times met?	✓			✓
D. QC Samples				
1. All results for the preparation blank below limits?	✓			✓
2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable?	✓			✓
3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable?	✓			✓
4. Analytical spikes within QC limits where applicable?	✓			✓
5. ICP only: One serial dilution performed per SDG?			✓	✓
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	✓
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
E. Other	✓			
1. Are all nonconformances included and noted?				✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response:

Analyst: [signature] Date: 10/15/08

Second-Level Review: SSegu Date: 10/21/08

TESTAMERICA

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-075-018	Page 4 of 5

Collector: D.W.Shea subcontractor Shawn Schmidt	Company Contact: D.W.Shea	Telephone No.: 521-6014	Project Coordinator: KESSNER, JH
Price Code: 8K	Data Turnaround: 15 days		
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil Full Prot	Sampling Location: 100-D-31:6, Verification 1		SAF No.: RC-075
Ice Chest No.	Field Logbook No.: EL-1607-4	COA: R00D312000	Method of Shipment: Fed EX
Shipped To: EBERLINE SERVICES / LIONVILLE	Offsite Property No.: see OPSC		Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS

None known

Special Handling and/or Storage

Preservation	None	Cool 4C	Cool 4C	Cool 4C	Cool 4C						
Type of Container	G/P	G/P	G/P	aG	aG						
No. of Container(s)	1	1	1	1	1						
Volume	250ml.	60ml.	125ml.	125ml.	250g						
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196	IC Anions - 300.0; pH (Soil) - 9045	Pesticides - 8081	PAHs - 8310						

SDG J0020L6
J8J090241
due 10/24/08

Sample No.	Matrix *	Sample Date	Sample Time										
J17JL7 KOHJR	SOIL	10/7/08	1015	✓	✓	✓	✓	✓					
J17JL8 KOHJL6	SOIL		0951	✓	✓	✓	✓	✓					
J17JL9 KOHJ9	SOIL		0910	✓	✓	✓	✓	✓					
J17JM0 KOHKA	SOIL		0917	✓	✓	✓	✓	✓					
J17JM1 KOHKL	SOIL		1440	✓	✓	✓	✓	✓					

25

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: Shawn Schmidt	10-7-08 15:53	Received By/Stored In: DWSHEA DWSHEA	10/7/08 1553
Relinquished By/Removed From: DWSHEA DWSHEA	10/7/08 1758	Received By/Stored In: Fridge 3A	10/7/08 1758
Relinquished By/Removed From: Fridge 3A/J.E. Bernhal	10-9-08 0815	Received By/Stored In: J.E. Bernhal	10-9-08 0815
Relinquished By/Removed From: J. E. Bernhal	10-9-08 0900	Received By/Stored In: [illegible]	10-9-08 0900
Relinquished By/Removed From: [illegible]	10-9-08 9:15	Received By/Stored In	
Relinquished By/Removed From		Received By/Stored In	

SPECIAL INSTRUCTIONS

(1) ICP Metals - 6010 (Client List) [~~Aluminum~~, Antimony, Arsenic, Barium, Beryllium, ~~Bismuth~~, Boron, Cadmium, ~~Calcium~~, Chromium, Cobalt, Copper, ~~Iron~~, Lead, ~~Lithium, Magnesium~~, Manganese, Molybdenum, ~~Nickel, Phosphorus, Potassium~~, Selenium, ~~Silicon~~, Silver, ~~Sodium, Strontium, Thallium, Tin, Titanium~~, Vanadium, Zinc] and Hg via CVAA DWSHEA 10/7/08

Chromium TO Be done at Richland
SKS 10/9/08

Matrix *
S Soil
SE Sediment
SO Solid
SL Sludge
W Water
O Oil
A Air
DS Drum Solids
DL Drum Liquids
T Tissue
WI Wipe
L Liquid
V Vegetation
X Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

TESTAMERICA

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-075-018	Page 5 of 5

Collector: D.W.Shea/subcontractor Shana Schmidt	Company Contact: D.W.Shea	Telephone No.: 521-6014	Project Coordinator: KESSNER, JH
Price Code: 8K	Data Turnaround: 15 days		
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil Full Prot	Sampling Location: 100-D-31:6, Verification 1		SAF No.: RC-075
Ice Chest No.	Field Logbook No.: EL-1607-4	COA: R00D312000	Method of Shipment: Fed EX
Shipped To: EBERLINE SERVICES/ LIONVILLE	Offsite Property No.: see OPSC		Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS

None known

Special Handling and/or Storage

SDG J0020C
J8J090241
due 10/24/08

SAMPLE ANALYSIS

Preservation	None	Cool 4C	Cool 4C	Cool 4C	Cool 4C					
Type of Container	G/P	G/P	G/P	aG	aG					
No. of Container(s)	1	1	1	1	1					
Volume	250ml.	60ml.	125ml.	125ml.	250g					
	See item (1) in Special Instructions.	Chromium Hex - 7196	IC Anions - 300.0; pH (Soil) - 9045	Pesticides - 8081	PAHs - 8310					

Sample No.	Matrix *	Sample Date	Sample Time									
J17JM2 K0HKV	SOIL	10/7/08	1437	✓	✓	✓	✓	✓				
J17JM3 K0HK4	SOIL	↓	1432	✓	✓	✓	✓	✓				
J17JM4 K0H4A	SOIL	↓	1015	✓	✓	✓	✓	✓				
								~~✓~~ JEB 10-8-08				

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From: Shana Schmidt	Date/Time: 10-7-08 15:53	Received By/Stored In: DWSHEA DWSHEA	Date/Time: 10/7/08 1553
Relinquished By/Removed From: DWSHEA DWSHEA	Date/Time: 10/7/08 1758	Received By/Stored In: Fridge 3A	Date/Time: 10/7/08 1758
Relinquished By/Removed From: Fridge 3A/J.E. Bernhal	Date/Time: 0815 10-9-08	Received By/Stored In: J.E. Bernhal	Date/Time: 0815 10-9-08
Relinquished By/Removed From: J.E. Bernhal	Date/Time: 0900 10-9-08	Received By/Stored In:	Date/Time: 0900 10-9-08
Relinquished By/Removed From:	Date/Time: 9:15 10-9-08	Received By/Stored In:	Date/Time:
Relinquished By/Removed From:	Date/Time:	Received By/Stored In:	Date/Time:

SPECIAL INSTRUCTIONS

(1) ICP Metals - 6010 (Client List) ~~Aluminum~~, Antimony, Arsenic, Barium, Beryllium, ~~Bismuth~~, Boron, Cadmium, ~~Calcium~~, Chromium, Cobalt, Copper, ~~Iron~~, Lead, ~~Lithium~~, ~~Magnesium~~, Manganese, Molybdenum, ~~Nickel~~, ~~Phosphorus~~, ~~Potassium~~, Selenium, ~~Silicon~~, Silver, ~~Sodium~~, ~~Strontium~~, ~~Thallium~~, ~~Tin~~, ~~Uranium~~, Vanddium, Zinc; and Hg via CVAA DWSHEA 10/7/08

Chromium to Be done at Richland
SKS 10/9/08

Matrix *
S Soil
SE Sediment
SO Solid
SL Sludge
W Water
O Oil
A Air
DS Drum Solids
DL Drum Liquids
T Tissue
WI Wipe
L Liquid
V Vegetation
X Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

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Sample Check-in List

Date/Time Received: 10-9-08 9:00 GM Screen Result 0.10 mR/hr

Client: WCH SDG #: J00206 NA[ ] SAF #: _____ NA [ ]

Work Order Number: J8J090041 Chain of Custody # RC-075-018

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 23
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ✓ Tape
   - ✓ Custody Seals
   - ✓ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [✓] pH<2 [ ] pH>2 [ ] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? * Soil
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: [signature] Date: 10-9-08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

10/13/2008 8:44:00 AM

Sample Preparation/Analysis

127642, Washington Closure Hanford LLC
Bechtel Hanford, Inc.

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 10/24/2008

Batch: 8283484 SOIL mg/kg PM, Quote: SS , 27038
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 K0HJR-1-AA J8J090241-1-SAMP 10/07/2008 10:15		AmtRec: 60MLG	#Containers: 1		2.5012g			Scr:	Alpha:	Beta:
2 K0HJR-1-AC-S J8J090241-1-MS 10/07/2008 10:15		AmtRec: 60MLG	#Containers: 1		2.5199 g			Scr:	Alpha:	Beta:
3 K0HJR-1-AD-D WD 10/13/08 J8J090241-1 ~~MSD~~ $PbCrO_4$ 10/07/2008 10:15		10.3mg AmtRec: 60MLG	#Containers: 1		2.5072g			Scr:	Alpha:	Beta:
4 K0HJR-1-AE-X J8J090241-1-DUP 10/07/2008 10:15		AmtRec: 60MLG	#Containers: 1		2.5060g			Scr:	Alpha:	Beta:
5 K0HJ6-1-AA J8J090241-2-SAMP 10/07/2008 09:51		AmtRec: 60MLG	#Containers: 1		2.5133g			Scr:	Alpha:	Beta:
6 K0HJ9-1-AA J8J090241-3-SAMP 10/07/2008 09:10		AmtRec: 60MLG	#Containers: 1		2.5021g			Scr:	Alpha:	Beta:
7 K0HKA-1-AA J8J090241-4-SAMP 10/07/2008 09:17		AmtRec: 60MLG	#Containers: 1		2.4986 g			Scr:	Alpha:	Beta:

TESTAMERICA

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10/13/2008 8:44:01 AM

Sample Preparation/Analysis

127642, Washington Closure Hanford LLC
Bechtel Hanford, Inc.

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 10/24/2008

Batch: 8283484 SOIL mg/kg PM, Quote: SS , 27038
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 K0HKL-1-AA J8J090241-5-SAMP 10/07/2008 14:40		AmtRec: 60MLG	#Containers: 1		2.5060g			Scr:	Alpha:	Beta:
9 K0HKV-1-AA J8J090241-6-SAMP 10/07/2008 14:37		AmtRec: 60MLG	#Containers: 1		2.5100g			Scr:	Alpha:	Beta:
10 K0HK4-1-AA J8J090241-7-SAMP 10/07/2008 14:32		AmtRec: 60MLG	#Containers: 1		2.5110g			Scr:	Alpha:	Beta:
11 K0HLA-1-AA J8J090241-8-SAMP 10/07/2008 10:15		AmtRec: 60MLG	#Containers: 1		2.5113g			Scr:	Alpha:	Beta:
12 K0H9T-1-AA-B J8J090000-484-BLK 10/07/2008 10:15		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:
13 K0H9T-1-AC-C J8J090000-484-LCS 10/07/2008 10:15		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:

TESTAMERICA

TESTAMERICA

10/13/2008 8:44:02 AM

Sample Preparation/Analysis

DW Alkaline Digestion by method 3060A
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 10/24/2008

Batch: 8283484 mg/kg
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Comments:

All Clients for Batch:
127642, Washington Closure Hanford LLC Bechtel Hanford, Inc. , SS , 27038

K0HJR1AA-SAMP Constituent List:
HEXCHROME RDL:0.35 mg/kg LCL:80 UCL:120 RPD:20
K0HJR1AC-MS Constituent List:
HEXCHROME RDL:0.35 mg/kg LCL:75 UCL:125 RPD:20
K0HJR1AD-MSD:
HEXCHROME RDL:0.35 mg/kg LCL:75 UCL:125 RPD:20
K0H9T1AA-BLK:
HEXCHROME RDL:0.35 mg/kg LCL: UCL: RPD:
K0H9T1AC-LCS:
HEXCHROME RDL:0.35 mg/kg LCL:80 UCL:120 RPD:20

K0HJR1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
K0HJR1AC-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
K0HJR1AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
K0H9T1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
K0H9T1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

RECEIVED
OCT 2008

WASHINGTON CLOSURE HANFORD

SDG #: J00206
SAF#: RC-075
Lot #: D8J130178

Date SDG Closed: October 10, 2008
Data Deliverable: 15 Day / Summary

Joan Kessner

Washington Closure Hanford
2620 Fermi Avenue
Richland, WA 99354

Sample ID Cross Reference Table

Client ID	Lab ID
J17JL7	D8J130178-001
J17JL8	D8J130178-002
J17JL9	D8J130178-003
J17JM0	D8J130178-004
J17JM1	D8J130178-005
J17JM2	D8J130178-006
J17JM3	D8J130178-007
J17JM4	D8J130178-008

TestAmerica Denver

Kae E. Yoder
Project Manager

October 27, 2008

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4955 Yarrow Street Arvada, CO 80002 **tel** 303.736.0100 **fax** 303.431.7171 **www.testamericainc.com**

CASE NARRATIVE
J00206 / RC-075 / D8J130178

The following report contains the analytical results for eight solid samples submitted to TestAmerica by Washington Closure Hanford. The samples were received October 10, 2008, according to documented sample acceptance procedures.

Client ID	Lab ID	Analyses Requested	Analyses Performed
J17JL7	D8J130178-001	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JL8	D8J130178-002	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JL9	D8J130178-003	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JM0	D8J130178-004	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JM1	D8J130178-005	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JM2	D8J130178-006	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JM3	D8J130178-007	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C
J17JM4	D8J130178-008	8081A/8310/6010B/7471A/9056/9045C	8081A/8310/6010B/7471A/9056/9045C

Dilution factors and qualifiers are provided to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compounds are addressed in the Supplemental QC Information section.

This report includes reporting limits (RLs) less than TestAmerica Denver's practical quantitation limits. These reporting limits are being used specifically at the client's request to meet the needs of this project. Please note that data are not normally reported to these levels without qualification, since they are inherently less reliable and potentially less defensible than required by the current NELAC standards. Please note that Non-Detect (ND) results have been evaluated down to the Method Detection Limit (MDL) and should be considered ND at the MDL. The results, RLs and MDLs included in this report have been adjusted for dry weight.

TestAmerica utilizes USEPA approved methods in all analytical work. The results apply only to the samples included in this report and meet all requirements of NELAC. All data have been reviewed for compliance with the laboratory QA/QC plan and have been found to be compliant with laboratory protocols, with the exception of any items noted below.

SUPPLEMENTAL QC INFORMATION

Sample Receipt

Samples were received in good condition at temperatures of 5.8°C, 5.7°C and 5.4°C. No anomalies were encountered during sample receipt.

GC Semivolatiles – SW846 8081A – Pesticides

The RPD between the primary and confirmation columns exceeded 40% for Heptachlor epoxide in sample J17JL9. The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with an "X".

Continuing Calibration Verification (CCV) standards exhibited %Difference (%D) values >15%, biased low, for 4,4'-DDT and Methoxychlor. The overall mean %D is ≤15%; therefore, method criteria have been met and corrective action is deemed unnecessary. It can be noted that a bracketing RL standard was used to demonstrate acceptable instrument sensitivity.

No other anomalies were encountered.

HPLC – SW846 8310 – PAHs
No anomalies were encountered.

Total Metals – SW846 6010B/7471A
Low levels of Zinc are present in the method blank associated with QC batch 8288140. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary.

The duplicate analysis of sample J17JL7 exhibited RPD data outside the QC control limits for Cadmium. It can be noted that the RPD was calculated based on a value below the method detection limit, and as such, could not be reliably calculated.

The Mercury duplicate analysis of sample J17JL7 exhibited RPD data outside the QC control limits. The acceptable LCS analysis data indicated that the analytical system was operating within control.

Percent recoveries and RPD data were not calculated for Manganese in the MS/MSD performed on sample J17JL7, due to the sample concentration reading greater than four times the spike amount. The acceptable LCS analysis data indicated that the analytical system was operating within control.

No other anomalies were encountered.

Anions – SW846 9056
The Fluoride MS/MSD performed on sample J17JL7 in QC batch 8295084 exhibited percent recoveries outside the QC control limits. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The ortho-Phosphate as P duplicate analysis of sample J17JL7 exhibited RPD data outside the QC control limits. It can be noted that the RPD was calculated based on a value below the method detection limit, and as such, could not be reliably calculated.

The ortho-Phosphate as P duplicate analysis of sample J17JM1 exhibited RPD data outside the QC control limits. It can be noted that the RPD was calculated based on estimated values present below the reporting limit. The acceptable LCS analysis data indicated that the analytical system was operating within control.

No other anomalies were encountered.

pH – SW846 9045C
No anomalies were encountered.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and Approved:

Kae E. Yoder
Project Manager

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) for the MS/MSD is outside control limits.
>	Wetchem: Result greater than the upper limit of the analytical range.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL, but greater than the MDL.
C	The analyte was detected in both the sample and the associated QC blank, and the sample concentration was </= 5x the blank concentration.
Y	Organics: More than 40% difference between the primary and confirmation detector results. The higher of the two results is reported.
X	Organics: More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
D	Organics/Wetchem: Analyte was identified in an analysis at a secondary dilution factor.
DIL	The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
E	Organics: The concentration exceeds the calibration range. Inorganics: Reported value is estimated due to matrix interference.
A	Organics: The TIC is a suspected aldol-condensation product.
J	Organics: Estimated result. Result is less than RL. Estimated result – TIC.
M	Inorganics: Sample duplicate precision not met.
MSB	The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.
N	All (except GCMS): MS/MSD recovery is outside control limits.
NC	The recovery and/or RPD were not calculated.
P	Organics (PCB only): Aroclor target analyte with greater than 25% difference between column analyses.
U	All: Analyzed for but not detected above limiting criteria.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

5.8, 5.7, 5.4 c
10/10/8 Icp

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-075-018	Page 4 of 5

Collector: D.W.Shea/subcontractor Shana Schmidt	Company Contact: D.W.Shea	Telephone No.: 521-6014	Project Coordinator: KESSNER, JH
Price Code: 8K	Data Turnaround: 15 days		
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil Full Prot	Sampling Location: 100-D-31:6, Verification I		SAF No.: RC-075
Ice Chest No.	Field Logbook No.: EL-1607-4	COA: R00D312000	Method of Shipment: Fed EX
Shipped To: EBERLINE SERVICES / LIONVILLE	Offsite Property No.: seee OPSC		Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS

None known

Special Handling and/or Storage

Preservation	None	Cool 4C	Cool 4C	Cool 4C	Cool 4C						
Type of Container	G/P	G/P	G/P	aG	aG						
No. of Container(s)	1	1	1	1	1						
Volume	250mL	60mL	125mL	125mL	250g						
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196	IC Anions - 300.0; pH (Soil) - 9045	Pesticides - 8081	PAHs - 8310						

Sample No.	Matrix *	Sample Date	Sample Time										
J17JL7	SOIL	10/9/08	1015	✓	✓	✓	✓	✓					
J17JL8	SOIL		0951	✓	✓	✓	✓	✓					
J17JL9	SOIL		0910	✓	✓	✓	✓	✓					
J17JM0	SOIL		0917	✓	✓	✓	✓	✓					
J17JM1	SOIL		1440	✓	✓	✓	✓	✓					

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: Shana Schmidt	10-7-08 15:53	Received By/Stored In: DWShea DWSHEA	10/7/08 1553
Relinquished By/Removed From: DWShea DWSHEA	10/7/08 1758	Received By/Stored In: Fridge 3A	10/7/08 1758
Relinquished By/Removed From: Fridge 3A/J.E. Bembal	10-9-08	Received By/Stored In: J.E. Bembal	10-9-08 0815
Relinquished By/Removed From: J. E. Bembal	10-9-08	Received By/Stored In: [illegible]	10-9-08 0900
Relinquished By/Removed From: [illegible]	10-9-08 9:15	Received By/Stored In: [illegible]	10/10/08 0900
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

(1) ICP Metals - 6010 (Client List) (~~Aluminum~~, Antimony, Arsenic, Barium, Beryllium, ~~Bismuth~~, Boron, Cadmium, ~~Calcium~~, Chromium, Cobalt, Copper, ~~Iron~~, Lead, ~~Lithium, Magnesium~~, Manganese, Molybdenum, ~~Nickel, Phosphorus, Potassium~~, Selenium, ~~Silicon~~, Silver, ~~Sodium, Strontium, Thallium, Tin, Uranium~~, Vanadium, Zinc) and Hg via CVAA DWShea 10/7/08

Chromium TO Be done at Richland
SKS 10/9/08

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

TestAmerica

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	RC-075-018	Page 2 of 2

Collector: D.W.Shea/subcontractor Shana Schmidt	Company Contact: D.W.Shea	Telephone No.: 521-6014	Project Coordinator: KESSNER, JH
Price Code: 8K	Data Turnaround: 15 days		
Project Designation: 100-D/DR Burial Grounds & Remaining Sites - Soil Full Prot	Sampling Location: 100-D-31:6, Verification I		SAF No.: RC-075
Ice Chest No.	Field Logbook No.: EL-1607-4	COA: R00D312000	Method of Shipment: Fed EX
Shipped To: EBERLINE SERVICES / LIONVILLE	Offsite Property No.: see OPSC		Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS

None known

Special Handling and/or Storage

Preservation	None	Cool 4C	Cool 4C	Cool 4C	Cool 4C						
Type of Container	G/P	G/P	G/P	aG	aG						
No. of Container(s)	1	1	1	1	1						
Volume	250mL	60mL	125mL	125mL	250g						
SAMPLE ANALYSIS	See item (1) in Special Instructions.	Chromium Hex - 7196	IC Anions - 300.0; pH (Soil) - 9045	Pesticides - 8081	PAHs - 8310						
Sample No. / Matrix * / Sample Date / Sample Time											
J17JM2 / SOIL / 10/7/08 / 1437	✓	✓	✓	✓	✓						
J17JM3 / SOIL / ↓ / 1432	✓	✓	✓	✓	✓						
J17JM4 / SOIL / ↓ / 1015	✓	✓	✓	✓	✓						
					~~✓~~ 10-8-08						

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From: Shana Schmidt	Date/Time: 10-7-08 15:53	Received By/Stored In: DWSHEA DWSHEA	Date/Time: 10/7/08 1553
Relinquished By/Removed From: DWSHEA DWSHEA	Date/Time: 10/7/08 1758	Received By/Stored In: Fridge 3A	Date/Time: 10/7/08 1758
Relinquished By/Removed From: Fridge 3A/J.E. Bernhal	Date/Time: 0815 10-9-08	Received By/Stored In: J.E. Bernhal	Date/Time: 0815 10-9-08
Relinquished By/Removed From: J.E. Bernhal	Date/Time: 0900 10-9-08	Received By/Stored In: [signature]	Date/Time: 0900 10-9-08
Relinquished By/Removed From: [signature]	Date/Time: 9:15 10-9-08	Received By/Stored In: [signature]	Date/Time: 10/10/08 0900
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

(1) ICP Metals - 6010 (Client List) {~~Aluminum~~, Antimony, Arsenic, Barium, Beryllium, ~~Bismuth,~~ Boron, Cadmium, ~~Calcium~~, Chromium, Cobalt, Copper, ~~Iron~~, Lead, ~~Lithium, Magnesium~~, Manganese, Molybdenum, ~~Nickel, Phosphorus, Potassium~~, Selenium, ~~Silicon~~, Silver, ~~Sodium, Strontium, Thallium, Tin, Uranium~~, Vanadium, Zinc} and Hg via CVAA DWSHEA 10/7/08

Chromium to Be done at Richland
SKS 10/9/08

Matrix *
S=Soil
SE=Sediment
SO=Solid
Sl=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011

TestAmerica

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Q# 80185-B

Sample Check-in List

Date/Time Received: 10/10/08 0900 **GM Screen Result** 11/11/13 **microR/hr**

Client: Washington Closure Hanford **SDG #:** J002006 **NA[ ]** **SAF #:** RC-075 **NA [ ]**

Work Order Number: D8J130178 **Chain of Custody #** RC-075-018

Shipping Container ID: ERC-03-106 **Air Bill #** 7993 9065 6320

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: 5.8, 5.7, 5.4 NA [ ] 5. Vermiculite/packing materials is NA [ ] Wet [ ] Dry [✓]
6. Number of samples in shipping container: 8
7. Sample holding times exceeded? NA [ ] Yes [ ] No [✓]
8. Samples have:
   - ✓ Tape
   - ✓ Custody Seals
   - ___ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ___ Broken
   - ___ Leaking
   - ___ Have Air Bubbles (Only for samples requiring no head space.)
10. Sample pH taken? NA [✓] pH<2 [ ] pH>2 [ ] pH>9 [ ] **Amount HNO_3 Added** ___
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): ___

Sample Custodian: [signature] **Date:** 10/13/08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on ___ by ___ Person Contacted ___

[ ] No action necessary; process as is.

Project Manager [signature] Date 10/13/08

From: Origin ID: PSCA (509)375-3131
Shipping Dept.
TESTAMERICA LABORATORIES
2800 GEORGE WASHINGTON WAY
RICHLAND, WA 99354

FedEx Express

Ship Date: 09OCT08
ActWgt: 55 LB
CAD: 1033413/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6037360193 BILL THIRD PARTY
Sample Receiving Denver
TestAmerica Denver
4955 YARROW ST

ARVADA, CO 800024517

Ref # ERC 03106
Invoice #
PO #
Dept #

TRK# 0201 7993 9065 6320

FRI - 10OCT A1
PRIORITY OVERNIGHT

80002
CO-US
DEN

XH WHHA

METHODS SUMMARY

D8J130178

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ortho-Phosphate as P	SW846 9056	SW846 DI LEACH
Bromide	SW846 9056	SW846 DI LEACH
Chloride	SW846 9056	SW846 DI LEACH
Fluoride	SW846 9056	SW846 DI LEACH
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Method for Determination of Water Content of Soil	ASTM D 2216-90	ASTM D2216-90
Nitrate as N	SW846 9056	SW846 DI LEACH
Nitrite	SW846 9056	SW846 DI LEACH
Organochlorine Pesticides	SW846 8081A	SW846 3550B
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3550
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA
Sulfate	SW846 9056	SW846 DI LEACH

References:

ASTM Annual Book Of ASTM Standards.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D8J130178

ANALYTICAL METHOD	ANALYST	ANALYST ID
ASTM D 2216-90	Dave Elkin	000901
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7471A	Christopher Grisdale	009582
SW846 7471A	Christopher Grisdale	9582
SW846 8081A	Karla Vasquez	010205
SW846 8310	Heather Dybas	038161
SW846 9045C	Sarah Lambert	005039
SW846 9056	Ewa Kudla	001167
SW846 9056	Ewa Kudla	1167

References:

ASTM Annual Book Of ASTM Standards.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D8J130178

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K0QPM	001	J17JL7	10/07/08	10:15
K0QPQ	002	J17JL8	10/07/08	09:51
K0QPR	003	J17JL9	10/07/08	09:10
K0QPT	004	J17JM0	10/07/08	09:17
K0QPV	005	J17JM1	10/07/08	14:40
K0QPW	006	J17JM2	10/07/08	14:37
K0QPX	007	J17JM3	10/07/08	14:32
K0QP0	008	J17JM4	10/07/08	10:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

D8J130178

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241
002	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241
003	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D8J130178

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241
005	SOLID	SW846 9056		8296557	8296323
	SOLID	SW846 9056		8296558	8296324
	SOLID	SW846 9056		8296559	8296325
	SOLID	SW846 9056		8296560	8296326
	SOLID	SW846 9056		8296561	8296327
	SOLID	SW846 9056		8296562	8296328
	SOLID	SW846 9056		8296563	8296329
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241
006	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D8J130178

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
007	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241
008	SOLID	SW846 9056		8295088	8295299
	SOLID	SW846 9056		8295084	8295298
	SOLID	SW846 9056		8295089	8295304
	SOLID	SW846 9056		8295085	8295302
	SOLID	SW846 9056		8295087	8295303
	SOLID	SW846 9056		8295083	8295301
	SOLID	SW846 9056		8295086	8295300
	SOLID	ASTM D 2216-90		8290358	8290420
	SOLID	SW846 9045C		8292096	8296052
	SOLID	SW846 7471A		8290354	8290254
	SOLID	SW846 8081A		8288265	8288167
	SOLID	SW846 6010B		8288140	8288090
	SOLID	SW846 8310		8289403	8289241

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THE LEADER IN ENVIRONMENTAL TESTING

Semivolatile GC

SW846 8081A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM1AA
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 03:37
Sample Aliquot:	30.01 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.57	0.57	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.34	0.34	1.8	U
319-85-7	beta-BHC	0.30	0.30	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	**0.82**	0.29	1.8	J
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.28	0.28	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.44	0.44	1.7	U
72-43-5	Methoxychlor	0.47	0.47	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	73	63	124	
877-09-8	Tetrachloro-m-xylene	74	59	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ1AK
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 03:53
Sample Aliquot:	30.63 g	**Instrument ID:**	P1
Dilution Factor:	0.98		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.55	0.55	1.7	U
72-55-9	4,4'-DDE	0.24	0.24	1.7	U
50-29-3	4,4'-DDT	0.60	0.60	2.0	U
309-00-2	Aldrin	0.25	0.25	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.33	0.33	1.7	U
319-85-7	beta-BHC	0.29	0.29	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.21	0.21	1.7	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.29	0.29	1.7	U
1031-07-8	Endosulfan sulfate	0.28	0.28	1.7	U
72-20-8	Endrin	0.31	0.31	1.7	U
7421-93-4	Endrin aldehyde	0.17	0.17	1.7	U
53494-70-5	Endrin ketone	0.22	0.22	1.7	U
58-89-9	gamma-BHC (Lindane)	0.14	0.14	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.7	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.43	0.43	1.7	U
72-43-5	Methoxychlor	0.46	0.46	3.3	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	89	63	124	
877-09-8	Tetrachloro-m-xylene	82	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR1AK
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 04:10
Sample Aliquot:	29.92 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.57	0.57	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.34	0.34	1.8	U
319-85-7	beta-BHC	0.30	0.30	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	0.29	0.29	1.8	U
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.28	0.28	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	1.0	0.44	1.7	J X
72-43-5	Methoxychlor	0.47	0.47	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	88	63	124	
877-09-8	Tetrachloro-m-xylene	82	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT1AK
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 04:27
Sample Aliquot:	29.61 g	**Instrument ID:**	P1
Dilution Factor:	1.01		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.57	0.57	1.8	U
72-55-9	4,4'-DDE	0.30	0.25	1.8	J
50-29-3	4,4'-DDT	0.62	0.62	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.34	0.34	1.8	U
319-85-7	beta-BHC	0.30	0.30	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	0.29	0.29	1.8	U
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.28	0.28	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.45	0.45	1.7	U
72-43-5	Methoxychlor	0.47	0.47	3.4	U
8001-35-2	Toxaphene	17	17	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	86	63	124	
877-09-8	Tetrachloro-m-xylene	76	59	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV1AK
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 05:17
Sample Aliquot:	30.07 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.56	0.56	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.33	0.33	1.8	U
319-85-7	beta-BHC	0.30	0.30	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	0.28	0.28	1.8	U
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.44	0.44	1.7	U
72-43-5	Methoxychlor	0.46	0.46	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	90	63	124	
877-09-8	Tetrachloro-m-xylene	81	59	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW1AK
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 05:34
Sample Aliquot:	30.04 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.56	0.56	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.33	0.33	1.8	U
319-85-7	beta-BHC	0.30	0.30	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	0.29	0.29	1.8	U
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.44	0.44	1.7	U
72-43-5	Methoxychlor	0.47	0.47	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	90	63	124	
877-09-8	Tetrachloro-m-xylene	82	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX1AK
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 05:51
Sample Aliquot:	30.12 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.56	0.56	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.33	0.33	1.8	U
319-85-7	beta-BHC	0.29	0.29	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	0.28	0.28	1.8	U
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.44	0.44	1.7	U
72-43-5	Methoxychlor	0.46	0.46	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	99	63	124	
877-09-8	Tetrachloro-m-xylene	78	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP01AK
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 06:24
Sample Aliquot:	30.09 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
72-54-8	4,4'-DDD	0.56	0.56	1.8	U
72-55-9	4,4'-DDE	0.25	0.25	1.8	U
50-29-3	4,4'-DDT	0.61	0.61	2.1	U
309-00-2	Aldrin	0.26	0.26	1.7	U
319-84-6	alpha-BHC	0.22	0.22	1.7	U
5103-71-9	alpha-Chlordane	0.33	0.33	1.8	U
319-85-7	beta-BHC	0.29	0.29	1.7	U
319-86-8	delta-BHC	0.17	0.17	1.7	U
60-57-1	Dieldrin	0.22	0.22	1.8	U
959-98-8	Endosulfan I	0.18	0.18	1.7	U
33213-65-9	Endosulfan II	0.30	0.30	1.8	U
1031-07-8	Endosulfan sulfate	1.0	0.28	1.8	J
72-20-8	Endrin	0.32	0.32	1.8	U
7421-93-4	Endrin aldehyde	0.18	0.18	1.8	U
53494-70-5	Endrin ketone	0.22	0.22	1.8	U
58-89-9	gamma-BHC (Lindane)	0.15	0.15	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.8	U
76-44-8	Heptachlor	0.22	0.22	1.7	U
1024-57-3	Heptachlor epoxide	0.44	0.44	1.7	U
72-43-5	Methoxychlor	0.46	0.46	3.4	U
8001-35-2	Toxaphene	16	16	170	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	97	63	124	
877-09-8	Tetrachloro-m-xylene	83	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J140000-265B
Matrix:	SOLID	**Lab WorkOrder:**	K0R6E1AA
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 06:41
Sample Aliquot:	29.35 g	**Instrument ID:**	P1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
60-57-1	Dieldrin	0.21	0.21	1.7	U
959-98-8	Endosulfan I	0.18	0.18	1.6	U
33213-65-9	Endosulfan II	0.29	0.29	1.7	U
1031-07-8	Endosulfan sulfate	0.28	0.28	1.7	U
72-20-8	Endrin	0.31	0.31	1.7	U
7421-93-4	Endrin aldehyde	0.17	0.17	1.7	U
53494-70-5	Endrin ketone	0.21	0.21	1.7	U
76-44-8	Heptachlor	0.21	0.21	1.6	U
1024-57-3	Heptachlor epoxide	0.43	0.43	1.6	U
72-43-5	Methoxychlor	0.45	0.45	3.3	U
319-84-6	alpha-BHC	0.21	0.21	1.6	U
319-85-7	beta-BHC	0.29	0.29	1.6	U
319-86-8	delta-BHC	0.17	0.17	1.6	U
58-89-9	gamma-BHC (Lindane)	0.14	0.14	1.6	U
8001-35-2	Toxaphene	16	16	160	U
5103-71-9	alpha-Chlordane	0.32	0.32	1.7	U
5103-74-2	gamma-Chlordane	0.27	0.27	1.7	U
309-00-2	Aldrin	0.25	0.25	1.6	U
72-54-8	4,4'-DDD	0.55	0.55	1.7	U
72-55-9	4,4'-DDE	0.24	0.24	1.7	U
50-29-3	4,4'-DDT	0.59	0.59	2.0	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	81	63	124	
877-09-8	Tetrachloro-m-xylene	72	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J140000-265C
Matrix:	SOLID	**Lab WorkOrder:**	K0R6E1AC
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 03:20
Sample Aliquot:	30.01 g	**Instrument ID:**	P1
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Dieldrin	16.7	14.4	86		63 - 117
Endosulfan I	16.7	13.8	83		55 - 115
Endosulfan II	16.7	14.6	88		60 - 115
Endosulfan sulfate	16.7	15.1	91		58 - 118
Endrin	16.7	15.9	96		61 - 121
Endrin aldehyde	16.7	11.6	70		54 - 115
Endrin ketone	16.7	15.1	91		61 - 118
Heptachlor	16.7	14.4	86		61 - 115
Heptachlor epoxide	16.7	14.0	84		62 - 112
Methoxychlor	16.7	14.0	84		52 - 123
alpha-BHC	16.7	13.7	82		54 - 115
beta-BHC	16.7	14.0	84		58 - 115
delta-BHC	16.7	14.4	87		62 - 115
gamma-BHC (Lindane)	16.7	14.1	85		59 - 115
alpha-Chlordane	16.7	13.6	82		60 - 115
gamma-Chlordane	16.7	13.7	82		60 - 115
Aldrin	16.7	13.1	79		60 - 115
4,4'-DDD	16.7	14.3	86		57 - 118
4,4'-DDE	16.7	13.0	78		61 - 115
4,4'-DDT	16.7	13.4	80		53 - 125

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	87	63	124	
877-09-8	Tetrachloro-m-xylene	73	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-004S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPT1A8
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 04:44
MS Sample Aliquot:	29.9 g	**Instrument ID:**	P1
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
4,4'-DDD	17.3	0.57	U	16.9		98		57 - 118
4,4'-DDE	17.3	0.30	J	15.6		89		61 - 115
4,4'-DDT	17.3	0.62	U	12.0		69		53 - 125
Aldrin	17.3	0.26	U	15.8		92		60 - 115
alpha-BHC	17.3	0.22	U	15.9		92		54 - 115
alpha-Chlordane	17.3	0.34	U	15.5		90		60 - 115
beta-BHC	17.3	0.30	U	16.8		97		58 - 115
delta-BHC	17.3	0.17	U	16.9		97		62 - 115
Dieldrin	17.3	0.22	U	16.1		93		63 - 117
Endosulfan I	17.3	0.18	U	15.8		91		55 - 115
Endosulfan II	17.3	0.30	U	15.8		92		60 - 115
Endosulfan sulfate	17.3	0.29	U	15.7		91		58 - 118
Endrin	17.3	0.32	U	17.8		103		61 - 121
Endrin aldehyde	17.3	0.18	U	13.1		76		54 - 115
Endrin ketone	17.3	0.22	U	15.9		92		61 - 118
gamma-BHC (Lindane)	17.3	0.15	U	16.7		96		59 - 115
gamma-Chlordane	17.3	0.28	U	15.6		90		60 - 115
Heptachlor	17.3	0.22	U	16.5		96		61 - 115
Heptachlor epoxide	17.3	0.45	U	16.0		92		62 - 112
Methoxychlor	17.3	0.47	U	12.5		72		52 - 123

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	97	63	124	
877-09-8	Tetrachloro-m-xylene	84	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-004D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPT1A9
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8081A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/14/08 12:00
QC Batch ID:	8288265	**Date/Time Analyzed:**	10/21/08 05:00
MSD Sample Aliquot:	30.22 g	**Instrument ID:**	P1
MSD Dilution Factor:	0.99		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
4,4'-DDD	17.1	0.57	U	15.9		93		6.1		57 - 118	20
4,4'-DDE	17.1	0.30	J	14.8		85		5.5		61 - 115	15
4,4'-DDT	17.1	0.62	U	12.2		71		1.5		53 - 125	29
Aldrin	17.1	0.26	U	14.9		87		6.3		60 - 115	50
alpha-BHC	17.1	0.22	U	14.8		87		7.0		54 - 115	17
alpha-Chlordane	17.1	0.34	U	14.7		86		5.7		60 - 115	18
beta-BHC	17.1	0.30	U	15.9		93		5.2		58 - 115	17
delta-BHC	17.1	0.17	U	16.0		93		5.5		62 - 115	19
Dieldrin	17.1	0.22	U	15.2		89		5.8		63 - 117	25
Endosulfan I	17.1	0.18	U	14.9		87		5.8		55 - 115	26
Endosulfan II	17.1	0.30	U	15.2		89		4.0		60 - 115	20
Endosulfan sulfate	17.1	0.29	U	15.5		90		1.4		58 - 118	22
Endrin	17.1	0.32	U	16.9		98		5.3		61 - 121	30
Endrin aldehyde	17.1	0.18	U	12.5		73		4.8		54 - 115	29
Endrin ketone	17.1	0.22	U	15.3		89		3.9		61 - 118	20
gamma-BHC (Lindane)	17.1	0.15	U	15.6		91		6.5		59 - 115	24
gamma-Chlordane	17.1	0.28	U	14.8		86		5.3		60 - 115	21
Heptachlor	17.1	0.22	U	15.7		92		5.3		61 - 115	18
Heptachlor epoxide	17.1	0.45	U	15.1		88		5.8		62 - 112	18
Methoxychlor	17.1	0.47	U	12.8		75		2.2		52 - 123	23

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	94	63	124	
877-09-8	Tetrachloro-m-xylene	80	59	115	

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THE LEADER IN ENVIRONMENTAL TESTING

HPLC

SW846 8310

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM1AC
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 21:54
Sample Aliquot:	30.02 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.2	3.2	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	16	U
50-32-8	Benzo(a)pyrene	6.7	6.7	16	U
205-99-2	Benzo(b)fluoranthene	4.4	4.4	16	U
191-24-2	Benzo(ghi)perylene	7.5	7.5	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	16	U
218-01-9	Chrysene	5.0	5.0	42	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	42	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	42	U
129-00-0	Pyrene	12	12	42	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	98	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ1AL
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 22:24
Sample Aliquot:	30.06 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.2	3.2	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	16	U
50-32-8	Benzo(a)pyrene	6.6	6.6	16	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	16	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	16	U
218-01-9	Chrysene	5.0	5.0	41	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	99	72	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR1AL
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 22:55
Sample Aliquot:	30.1 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.4	9.4	100	U
120-12-7	Anthracene	3.2	3.2	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	16	U
50-32-8	Benzo(a)pyrene	6.7	6.7	16	U
205-99-2	Benzo(b)fluoranthene	4.4	4.4	16	U
191-24-2	Benzo(ghi)perylene	7.5	7.5	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	16	U
218-01-9	Chrysene	**10**	5.0	42	J
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	14	14	42	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	42	U
129-00-0	Pyrene	12	12	42	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	99	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT1AL
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 23:25
Sample Aliquot:	30.08 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.2	3.2	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	16	U
50-32-8	Benzo(a)pyrene	6.6	6.6	16	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	16	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	16	U
218-01-9	Chrysene	5.0	5.0	41	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	91	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV1AL
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 23:56
Sample Aliquot:	30.04 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.1	3.1	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	15	U
50-32-8	Benzo(a)pyrene	6.6	6.6	15	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	15	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	15	U
218-01-9	Chrysene	14	5.0	41	J
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	98	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW1AL
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/21/08 01:27
Sample Aliquot:	30.01 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.2	3.2	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	16	U
50-32-8	Benzo(a)pyrene	6.6	6.6	16	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	16	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	16	U
218-01-9	Chrysene	5.0	5.0	41	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.5	5.5	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	103	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX1AL
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/21/08 02:29
Sample Aliquot:	30.07 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.1	3.1	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	15	U
50-32-8	Benzo(a)pyrene	6.6	6.6	15	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	15	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	15	U
218-01-9	Chrysene	5.0	5.0	41	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.4	5.4	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	104	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP01AL
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/21/08 02:59
Sample Aliquot:	30.15 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
208-96-8	Acenaphthylene	9.3	9.3	100	U
120-12-7	Anthracene	3.1	3.1	21	U
56-55-3	Benzo(a)anthracene	3.3	3.3	15	U
50-32-8	Benzo(a)pyrene	6.6	6.6	15	U
205-99-2	Benzo(b)fluoranthene	4.3	4.3	15	U
191-24-2	Benzo(ghi)perylene	7.4	7.4	31	U
207-08-9	Benzo(k)fluoranthene	4.1	4.1	15	U
218-01-9	Chrysene	5.0	5.0	41	U
53-70-3	Dibenzo(a,h)anthracene	11	11	31	U
206-44-0	Fluoranthene	13	13	41	U
86-73-7	Fluorene	5.4	5.4	31	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	31	U
91-20-3	Naphthalene	12	12	100	U
85-01-8	Phenanthrene	12	12	41	U
129-00-0	Pyrene	12	12	41	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	98	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J150000-403B
Matrix:	SOLID	**Lab WorkOrder:**	K0W3K1AA
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 20:52
Sample Aliquot:	30.04 g	**Instrument ID:**	G1
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
83-32-9	Acenaphthene	10	10	100	U
120-12-7	Anthracene	3.0	3.0	20	U
206-44-0	Fluoranthene	13	13	40	U
86-73-7	Fluorene	5.3	5.3	30	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	12	30	U
91-20-3	Naphthalene	12	12	100	U
56-55-3	Benzo(a)anthracene	3.2	3.2	15	U
205-99-2	Benzo(b)fluoranthene	4.2	4.2	15	U
207-08-9	Benzo(k)fluoranthene	3.9	3.9	15	U
191-24-2	Benzo(ghi)perylene	7.2	7.2	30	U
50-32-8	Benzo(a)pyrene	6.4	6.4	15	U
85-01-8	Phenanthrene	12	12	40	U
129-00-0	Pyrene	12	12	40	U
53-70-3	Dibenzo(a,h)anthracene	11	11	30	U
208-96-8	Acenaphthylene	9.0	9.0	100	U
218-01-9	Chrysene	4.8	4.8	40	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	92	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J150000-403C
Matrix:	SOLID	**Lab WorkOrder:**	K0W3K1AC
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/20/08 21:23
Sample Aliquot:	30.34 g	**Instrument ID:**	G1
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Fluorene	1980	1780	90		72 - 115
Indeno(1,2,3-cd)pyrene	1980	1740	88		76 - 115
Naphthalene	1980	1870	95		77 - 115
Benzo(a)pyrene	1980	1900	96		69 - 115
Pyrene	1980	1950	99		77 - 115

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	96	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV1A8
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/21/08 00:26
MS Sample Aliquot:	29.93 g	**Instrument ID:**	G1
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Benzo(a)pyrene	2070	6.6	U	1980		95		69 - 115
Fluorene	2070	5.5	U	1860		90		72 - 115
Indeno(1,2,3-cd)pyrene	2070	12	U	1780		86		76 - 115
Naphthalene	2070	12	U	1960		94		77 - 115
Pyrene	2070	12	U	2000		97		77 - 115

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	95	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV1A9
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	8310	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	10/15/08 13:30
QC Batch ID:	8289403	**Date/Time Analyzed:**	10/21/08 00:57
MSD Sample Aliquot:	30.05 g	**Instrument ID:**	G1
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Benzo(a)pyrene	2060	6.6	U	2130		104		7.7		69 - 115	20
Fluorene	2060	5.5	U	1990		97		7.0		72 - 115	20
Indeno(1,2,3-cd)pyrene	2060	12	U	1930		94		8.1		76 - 115	20
Naphthalene	2060	12	U	2070		101		5.8		77 - 115	20
Pyrene	2060	12	U	2160		105		7.8		77 - 115	20

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
1718-51-0	Terphenyl-d14	103	72	115	

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THE LEADER IN ENVIRONMENTAL TESTING

Total Metals

SW846 6010B/7471A

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 18:52
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	**0.56**	0.39	1.6	B
7440-38-2	Arsenic	**3.7**	0.69	2.1	
7440-39-3	Barium	**92**	0.079	1.0	
7440-41-7	Beryllium	**1.4**	0.034	0.52	
7440-42-8	Boron	**3.1**	1.0	2.1	
7440-43-9	Cadmium	**0.055**	0.043	0.52	B M
7440-47-3	Chromium	**10**	0.060	1.0	
7440-48-4	Cobalt	**9.2**	0.10	1.0	
7440-50-8	Copper	**25**	0.23	1.0	
7439-92-1	Lead	**6.7**	0.28	0.83	
7439-96-5	Manganese	**350**	0.10	1.0	
7439-98-7	Molybdenum	**0.27**	0.27	2.1	B
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**69**	0.098	2.1	
7440-66-6	Zinc	**52**	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:31
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.39	0.39	1.6	U
7440-38-2	Arsenic	**2.5**	0.68	2.1	
7440-39-3	Barium	**120**	0.079	1.0	
7440-41-7	Beryllium	**1.3**	0.034	0.52	
7440-42-8	Boron	**9.0**	1.0	2.1	
7440-43-9	Cadmium	**0.059**	0.042	0.52	B
7440-47-3	Chromium	**7.6**	0.060	1.0	
7440-48-4	Cobalt	**9.2**	0.10	1.0	
7440-50-8	Copper	**24**	0.22	1.0	
7439-92-1	Lead	**3.2**	0.28	0.83	
7439-96-5	Manganese	**310**	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**65**	0.097	2.1	
7440-66-6	Zinc	**45**	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:36
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	**0.43**	0.40	1.6	B
7440-38-2	Arsenic	**3.2**	0.69	2.1	
7440-39-3	Barium	**87**	0.079	1.0	
7440-41-7	Beryllium	**1.4**	0.034	0.52	
7440-42-8	Boron	**4.1**	1.0	2.1	
7440-43-9	Cadmium	0.043	0.043	0.52	U
7440-47-3	Chromium	**8.7**	0.060	1.0	
7440-48-4	Cobalt	**8.1**	0.10	1.0	
7440-50-8	Copper	**24**	0.23	1.0	
7439-92-1	Lead	**5.5**	0.28	0.83	
7439-96-5	Manganese	**320**	0.10	1.0	
7439-98-7	Molybdenum	**0.30**	0.27	2.1	B
7782-49-2	Selenium	0.90	0.90	1.4	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**64**	0.098	2.1	
7440-66-6	Zinc	**56**	0.41	1.0	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:41
Sample Aliquot:	1.01 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.39	0.39	1.6	U
7440-38-2	Arsenic	**2.7**	0.68	2.1	
7440-39-3	Barium	**140**	0.079	1.0	
7440-41-7	Beryllium	**1.5**	0.034	0.52	
7440-42-8	Boron	**9.2**	1.0	2.1	
7440-43-9	Cadmium	0.042	0.042	0.52	U
7440-47-3	Chromium	**7.2**	0.060	1.0	
7440-48-4	Cobalt	**9.1**	0.10	1.0	
7440-50-8	Copper	**25**	0.22	1.0	
7439-92-1	Lead	**3.4**	0.28	0.83	
7439-96-5	Manganese	**330**	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**72**	0.097	2.1	
7440-66-6	Zinc	**49**	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:46
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	**0.47**	0.39	1.5	B
7440-38-2	Arsenic	**2.8**	0.68	2.1	
7440-39-3	Barium	**110**	0.078	1.0	
7440-41-7	Beryllium	**1.2**	0.034	0.52	
7440-42-8	Boron	**3.7**	1.0	2.1	
7440-43-9	Cadmium	0.042	0.042	0.52	U
7440-47-3	Chromium	**12**	0.060	1.0	
7440-48-4	Cobalt	**8.3**	0.10	1.0	
7440-50-8	Copper	**21**	0.22	1.0	
7439-92-1	Lead	**4.8**	0.28	0.83	
7439-96-5	Manganese	**330**	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**57**	0.097	2.1	
7440-66-6	Zinc	**49**	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:51
Sample Aliquot:	1.01 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.39	0.39	1.6	U
7440-38-2	Arsenic	2.9	0.68	2.1	
7440-39-3	Barium	100	0.079	1.0	
7440-41-7	Beryllium	1.4	0.034	0.52	
7440-42-8	Boron	3.5	1.0	2.1	
7440-43-9	Cadmium	0.052	0.042	0.52	B
7440-47-3	Chromium	9.1	0.060	1.0	
7440-48-4	Cobalt	8.5	0.10	1.0	
7440-50-8	Copper	23	0.22	1.0	
7439-92-1	Lead	4.3	0.28	0.83	
7439-96-5	Manganese	330	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	64	0.097	2.1	
7440-66-6	Zinc	48	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:56
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.39	0.39	1.5	U
7440-38-2	Arsenic	3.2	0.68	2.1	
7440-39-3	Barium	100	0.078	1.0	
7440-41-7	Beryllium	1.2	0.034	0.52	
7440-42-8	Boron	3.5	1.0	2.1	
7440-43-9	Cadmium	0.048	0.042	0.52	B
7440-47-3	Chromium	9.4	0.060	1.0	
7440-48-4	Cobalt	8.7	0.10	1.0	
7440-50-8	Copper	23	0.22	1.0	
7439-92-1	Lead	6.1	0.28	0.82	
7439-96-5	Manganese	330	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.16	0.16	1.0	U
7440-62-2	Vanadium	58	0.097	2.1	
7440-66-6	Zinc	67	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 20:01
Sample Aliquot:	1.02 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	**0.40**	0.39	1.5	B
7440-38-2	Arsenic	**3.3**	0.68	2.1	
7440-39-3	Barium	**90**	0.078	1.0	
7440-41-7	Beryllium	**1.3**	0.034	0.52	
7440-42-8	Boron	**2.9**	1.0	2.1	
7440-43-9	Cadmium	**0.048**	0.042	0.52	B
7440-47-3	Chromium	**9.5**	0.060	1.0	
7440-48-4	Cobalt	**8.7**	0.10	1.0	
7440-50-8	Copper	**23**	0.22	1.0	
7439-92-1	Lead	**6.2**	0.28	0.83	
7439-96-5	Manganese	**330**	0.10	1.0	
7439-98-7	Molybdenum	0.27	0.27	2.1	U
7782-49-2	Selenium	0.89	0.89	1.3	U
7440-22-4	Silver	0.17	0.17	1.0	U
7440-62-2	Vanadium	**63**	0.097	2.1	
7440-66-6	Zinc	**48**	0.41	1.0	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/18/08 15:36
Sample Aliquot:	0.61 g	**Instrument ID:**	023
Dilution Factor:	10		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.40	0.057	0.18	M

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:13
Sample Aliquot:	0.62 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.0057	0.0057	0.018	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:16
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.0093	0.0058	0.018	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:23
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.0098**	0.0057	0.018	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:25
Sample Aliquot:	0.62 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.0088**	0.0057	0.018	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:27
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.010	0.0057	0.018	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:30
Sample Aliquot:	0.61 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.019	0.0057	0.018	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:32
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.66	0.0057	0.018	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J140000-140B
Matrix:	SOLID	**Lab WorkOrder:**	K0RFV
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 18:37
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.38	0.38	1.5	U
7440-38-2	Arsenic	0.66	0.66	2.0	U
7439-92-1	Lead	0.27	0.27	0.80	U
7439-96-5	Manganese	0.10	0.10	1.0	U
7439-98-7	Molybdenum	0.26	0.26	2.0	U
7440-39-3	Barium	0.076	0.076	1.0	U
7440-41-7	Beryllium	0.033	0.033	0.50	U
7782-49-2	Selenium	0.86	0.86	1.3	U
7440-22-4	Silver	0.16	0.16	1.0	U
7440-62-2	Vanadium	0.094	0.094	2.0	U
7440-66-6	Zinc	0.42	0.40	1.0	B
7440-47-3	Chromium	0.058	0.058	1.0	U
7440-42-8	Boron	0.98	0.98	2.0	U
7440-43-9	Cadmium	0.041	0.041	0.50	U
7440-48-4	Cobalt	0.10	0.10	1.0	U
7440-50-8	Copper	0.22	0.22	1.0	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J160000-354B
Matrix:	SOLID	**Lab WorkOrder:**	K01NM
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 19:46
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.0055	0.0055	0.017	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:02
MS Sample Aliquot:	1 g	**Instrument ID:**	025
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Antimony	51.9	0.56	B	29.6		56		20 - 200
Arsenic	104	3.7		94.5		88		76 - 111
Barium	208	92		281		91		52 - 159
Beryllium	5.19	1.4		6.13		92		72 - 105
Boron	104	3.1		88.8		82		75 - 107
Cadmium	10.4	0.055	B M	9.59		92		40 - 130
Chromium	20.8	10		28.2		86		70 - 200
Cobalt	51.9	9.2		53.4		85		72 - 106
Copper	25.9	25		48.5		91		37 - 187
Lead	51.9	6.7		51.0		85		70 - 200
Manganese	51.9	350		425	MSB		NC	40 - 200
Molybdenum	104	0.27	B	89.8		86		75 - 103
Selenium	208	0.89	U	178		86		76 - 104
Silver	5.19	0.17	U	4.76		91		75 - 141
Vanadium	51.9	69		121		101		50 - 169
Zinc	51.9	52		96.3		85		70 - 200

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:06
MSD Sample Aliquot:	1 g	**Instrument ID:**	025
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Antimony	51.9	0.56	B	30.3		57		2.6		20 - 200	40
Arsenic	104	3.7		103		95		8.3		76 - 111	30
Barium	208	92		283		92		0.57		52 - 159	30
Beryllium	5.19	1.4		6.04		90		1.4		72 - 105	30
Boron	104	3.1		93.0		87		4.6		75 - 107	30
Cadmium	10.4	0.055	B M	9.83		94		2.5		40 - 130	30
Chromium	20.8	10		30.7		97		8.4		70 - 200	40
Cobalt	51.9	9.2		54.1		87		1.2		72 - 106	30
Copper	25.9	25		49.3		94		1.6		37 - 187	30
Lead	51.9	6.7		52.4		88		2.6		70 - 200	40
Manganese	51.9	350		425	MSB		NC		NC	40 - 200	40
Molybdenum	104	0.27	B	92.2		89		2.7		75 - 103	30
Selenium	208	0.89	U	183		88		2.5		76 - 104	30
Silver	5.19	0.17	U	4.76		91		0.020		75 - 141	30
Vanadium	51.9	69		124		105		1.9		50 - 169	30
Zinc	51.9	52		97.3		87		1.0		70 - 200	40

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:00
MS Sample Aliquot:	0.61 g	**Instrument ID:**	023
MS Dilution Factor:	10		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Mercury	0.425	0.40	M	0.776		88		87 - 111

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:08
MSD Sample Aliquot:	0.61 g	**Instrument ID:**	023
MSD Dilution Factor:	10		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Mercury	0.425	0.40	M	0.835		102		7.3		87 - 111	20

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 19:11
MSD Sample Aliquot:	1 g	**Instrument ID:**	025
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Lead	40	6.7		6.5	3.0	
Manganese	40	350		330	4.7	
Molybdenum	30	0.27	B	0.31	11	B
Barium	30	92		99	7.5	
Beryllium	30	1.4		1.4	0.68	
Selenium	30	0.89	U	0.89	0	U
Silver	30	0.17	U	0.17	0	U
Vanadium	30	69		71	3.0	
Zinc	40	52		50	5.3	
Chromium	40	10		9.0	15	
Boron	30	3.1		4.1	26	
Cadmium	30	0.055	B M	0.043	33	U M
Cobalt	30	9.2		9.0	2.1	
Copper	30	25		25	1.4	
Antimony	40	0.56	B	0.45	22	B
Arsenic	30	3.7		3.2	13	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 20:10
MSD Sample Aliquot:	0.61 g	**Instrument ID:**	023
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Mercury	20	0.40	M	0.61	41	M

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J140000-140C
Matrix:	SOLID	**Lab WorkOrder:**	K0RFV
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 18:42
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Antimony	50.0	46.9	94		82 - 110
Arsenic	100	95.8	96		85 - 110
Lead	50.0	47.4	95		86 - 110
Manganese	50.0	46.3	93		88 - 110
Molybdenum	100	94.6	95		86 - 110
Barium	200	188	94		87 - 112
Beryllium	5.00	4.81	96		84 - 114
Selenium	200	188	94		83 - 110
Silver	5.00	4.84	97		87 - 114
Vanadium	50.0	47.0	94		88 - 110
Zinc	50.0	47.1	94		76 - 114
Chromium	20.0	18.9	94		84 - 114
Boron	100	90.9	91		81 - 110
Cadmium	10.0	9.77	98		87 - 110
Cobalt	50.0	45.7	91		87 - 110
Copper	25.0	23.3	93		88 - 110

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J140000-140L
Matrix:	SOLID	**Lab WorkOrder:**	K0RFV
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/16/08 08:30
QC Batch ID:	8288140	**Date/Time Analyzed:**	10/16/08 18:47
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Antimony	50.0	49.3		99		4.8		82 - 110	20
Arsenic	100	99.2		99		3.6		85 - 110	20
Lead	50.0	49.4		99		4.0		86 - 110	20
Manganese	50.0	46.8		94		1.0		88 - 110	20
Molybdenum	100	99.0		99		4.5		86 - 110	20
Barium	200	185		93		1.3		87 - 112	20
Beryllium	5.00	4.75		95		1.3		84 - 114	20
Selenium	200	193		96		2.7		83 - 110	20
Silver	5.00	4.91		98		1.3		87 - 114	20
Vanadium	50.0	47.6		95		1.3		88 - 110	20
Zinc	50.0	47.6		95		1.2		76 - 114	20
Chromium	20.0	19.6		98		3.9		84 - 114	20
Boron	100	94.7		95		4.1		81 - 110	20
Cadmium	10.0	10.1		101		3.8		87 - 110	20
Cobalt	50.0	47.4		95		3.6		87 - 110	20
Copper	25.0	23.6		95		1.5		88 - 110	20

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Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J160000-354C
Matrix:	SOLID	**Lab WorkOrder:**	K01NM
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/17/08 15:00
QC Batch ID:	8290354	**Date/Time Analyzed:**	10/17/08 19:49
Sample Aliquot:	0.6 g	**Instrument ID:**	023
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	0.417	0.402	96		87 - 111

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.40	0.40	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.8	0.85	5.2	B N

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.6	0.85	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	2.4	0.86	5.2	B

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.5	0.85	5.2	B

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:	1 g	**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	0.90	0.85	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.6	0.85	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.5	0.85	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	1.8	0.85	5.2	B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	**2.0**	0.33	2.1	B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	3.7	0.32	2.1	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	2.7	0.33	2.1	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	2.7	0.32	2.1	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:	1 g	**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	2.0	0.32	2.1	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	2.9	0.32	2.1	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	3.6	0.32	2.1	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	2.0	0.32	2.1	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 01:14
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.35	0.35	2.1	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	0.52	0.52	5.2	U M

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	1.7	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	1.8	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	1.8	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:	1 g	**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	2.2	0.52	5.2	B M

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	2.0	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	2.1	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	1.8	0.52	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	8.9	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	**8.0**	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	7.8	2.1	5.2	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	7.9	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:	1 g	**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	2.9	2.0	5.2	B

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	8.5	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	9.0	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	8.0	2.0	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 15:05
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	28	1.8	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 16:11
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	27	1.8	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 16:28
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	40	1.8	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 16:45
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	20	1.8	5.2	

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 11:40
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	14	1.8	5.2	

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 17:51
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	16	1.8	5.2	

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 18:08
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	27	1.8	5.2	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 18:24
Sample Aliquot:	1 g	**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	12	1.8	5.2	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-083B
Matrix:	SOLID	**Lab WorkOrder:**	K1AEE
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.39	0.39	2.0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-562B
Matrix:	SOLID	**Lab WorkOrder:**	K1EE3
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q85	Bromide	0.39	0.39	2.0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-084B
Matrix:	SOLID	**Lab WorkOrder:**	K1AD8
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	0.82	0.82	5.0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-558B
Matrix:	SOLID	**Lab WorkOrder:**	K1EEX
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 12:54
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q338	Fluoride	0.82	0.82	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-085B
Matrix:	SOLID	**Lab WorkOrder:**	K1AEG
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	0.31	0.31	2.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-560B
Matrix:	SOLID	**Lab WorkOrder:**	K1EE1
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q479	Nitrate	0.31	0.31	2.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-086B
Matrix:	SOLID	**Lab WorkOrder:**	K1AED
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.34	0.34	2.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-563B
Matrix:	SOLID	**Lab WorkOrder:**	K1EE5
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q481	Nitrite	0.34	0.34	2.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-087B
Matrix:	SOLID	**Lab WorkOrder:**	K1AEJ
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	0.50	0.50	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-561B
Matrix:	SOLID	**Lab WorkOrder:**	K1EE2
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q551	Orthophosphate	0.50	0.50	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-088B
Matrix:	SOLID	**Lab WorkOrder:**	K1AEA
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	2.0	2.0	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-557B
Matrix:	SOLID	**Lab WorkOrder:**	K1EEW
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q138	Chloride	2.0	2.0	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-089B
Matrix:	SOLID	**Lab WorkOrder:**	K1AEK
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 13:01
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	1.7	1.7	5.0	U

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-559B
Matrix:	SOLID	**Lab WorkOrder:**	K1EE0
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 12:50
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q605	Sulfate	1.7	1.7	5.0	U

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Bromide	51.9	0.40	U	51.5		99		84 - 113

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Bromide	51.9	0.40	U	51.5		99		0.050		84 - 113	11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Bromide	51.6	0.40	U	53.3		103		84 - 113

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Bromide	51.6	0.40	U	54.0		105		1.4		84 - 113	11

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Fluoride	51.9	1.8	B N	46.9		87	N	89 - 109

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Fluoride	51.9	1.8	B N	47.2		88	N	0.76		89 - 109	11

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Fluoride	51.6	0.90	B	52.6		100		89 - 109

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Fluoride	51.6	0.90	B	52.8		100		0.21		89 - 109	11

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Nitrate	51.9	2.0	B	51.8		96		86 - 106

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Nitrate	51.9	2.0	B	51.7		96		0.10		86 - 106	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Nitrate	51.6	2.0	B	56.6		106		86 - 106

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Nitrate	51.6	2.0	B	56.9		106		0.47		86 - 106	10

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Nitrite	51.9	0.35	U	50.8		98		90 - 110

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Nitrite	51.9	0.35	U	50.9		98		0.27		90 - 110	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Nitrite	51.6	0.35	U	54.6		106		90 - 110

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Nitrite	51.6	0.35	U	54.9		106		0.37		90 - 110	10

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Orthophosphate	51.9	0.52	U M	53.3		103		83 - 111

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Orthophosphate	51.9	0.52	U M	53.7		103		0.69		83 - 111	10

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Orthophosphate	51.6	2.2	B M	56.9		106		83 - 111

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Orthophosphate	51.6	2.2	B M	57.5		107		1.1		83 - 111	10

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Chloride	259	8.9		246		91		89 - 109

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Chloride	259	8.9		246		92		0.30		89 - 109	10

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Chloride	258	2.9	B	277		106		89 - 109

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Chloride	258	2.9	B	277		106		0.22		89 - 109	10

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THE LEADER IN ENVIRONMENTAL TESTING

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-001S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 15:38
MS Sample Aliquot:	1 g	**Instrument ID:**	IC3
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Sulfate	259	28		279		97		86 - 107

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 15:55
MSD Sample Aliquot:	1 g	**Instrument ID:**	1C3
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Sulfate	259	28		279		97		0.11		86 - 107	10

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MS Lab Sample ID:**	D8J130178-005S
Matrix:	SOLID	**MS Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 12:16
MS Sample Aliquot:	1 g	**Instrument ID:**	IC8
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Sulfate	258	14		286		105		86 - 107

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005D
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 12:33
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Sulfate	258	14		286		105		0.0		86 - 107	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Bromide	11	0.40	U	0.40	0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:		**Instrument ID:**	IC8
MSD Dilutiou Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Bromide	11	0.40	U	0.40	0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Fluoride	11	1.8	B N	1.8	1.6	B

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Fluoride	11	0.90	B	0.90	0.29	B

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Nitrate	10	2.0	B	2.0	0.59	B

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Nitrate	10	2.0	B	1.9	0.53	B

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Nitrite	10	0.35	U	0.35	0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:		**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Nitrite	10	0.35	U	0.35	0	U

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Orthophosphate	10	0.52	U M	1.7	200	B M

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Orthophosphate	10	2.2	B M	1.9	14	B M

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Chloride	10	8.9		8.8	0.46	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Chloride	10	2.9	B	3.1	6.2	B

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 15:21
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC3
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Sulfate	10	28		27	1.7	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-005X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Dry	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 11:57
MSD Sample Aliquot:	1 g	**Instrument ID:**	IC8
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Sulfate	10	14		14	1.6	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-083C
Matrix:	SOLID	**Lab WorkOrder:**	K1AEE
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Bromide	50.0	48.1	96		84 - 113

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-083L
Matrix:	SOLID	**Lab WorkOrder:**	K1AEE
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295083	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Bromide	50.0	47.9		96		0.30		84 - 113	11

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-562C
Matrix:	SOLID	**Lab WorkOrder:**	K1EE3
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Bromide	50.0	49.7	99		84 - 113

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-562L
Matrix:	SOLID	**Lab WorkOrder:**	K1EE3
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296562	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Bromide	50.0	49.5		99		0.35		84 - 113	11

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-084C
Matrix:	SOLID	**Lab WorkOrder:**	K1AD8
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Fluoride	50.0	45.7	91		89 - 109

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-084L
Matrix:	SOLID	**Lab WorkOrder:**	K1AD8
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295084	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Fluoride	50.0	45.4		91		0.64		89 - 109	11

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-558C
Matrix:	SOLID	**Lab WorkOrder:**	K1EEX
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Fluoride	50.0	51.2	102		89 - 109

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-558L
Matrix:	SOLID	**Lab WorkOrder:**	K1EEX
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296558	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Fluoride	50.0	51.2		102		0.030		89 - 109	11

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-085C
Matrix:	SOLID	**Lab WorkOrder:**	K1AEG
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Nitrate	50.0	47.6	95		86 - 106

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-085L
Matrix:	SOLID	**Lab WorkOrder:**	K1AEG
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295085	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Nitrate	50.0	47.4		95		0.54		86 - 106	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-560C
Matrix:	SOLID	**Lab WorkOrder:**	K1EE1
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Nitrate	50.0	50.1	100		86 - 106

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-560L
Matrix:	SOLID	**Lab WorkOrder:**	K1EE1
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296560	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Nitrate	50.0	50.1		100		0.12		86 - 106	10

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-086C
Matrix:	SOLID	**Lab WorkOrder:**	K1AED
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Nitrite	50.0	46.6	93		90 - 110

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-086L
Matrix:	SOLID	**Lab WorkOrder:**	K1AED
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295086	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Nitrite	50.0	46.7		93		0.36		90 - 110	10

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-563C
Matrix:	SOLID	**Lab WorkOrder:**	K1EE5
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Nitrite	50.0	50.3	101		90 - 110

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-563L
Matrix:	SOLID	**Lab WorkOrder:**	K1EE5
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296563	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Nitrite	50.0	50.2		100		0.090		90 - 110	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-087C
Matrix:	SOLID	**Lab WorkOrder:**	K1AEJ
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Orthophosphate	50.0	46.1	92		83 - 111

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-087L
Matrix:	SOLID	**Lab WorkOrder:**	K1AEJ
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295087	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Orthophosphate	50.0	45.8		92		0.69		83 - 111	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-561C
Matrix:	SOLID	**Lab WorkOrder:**	K1EE2
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Orthophosphate	50.0	50.6	101		83 - 111

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-561L
Matrix:	SOLID	**Lab WorkOrder:**	K1EE2
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296561	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Orthophosphate	50.0	50.9		102		0.50		83 - 111	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-088C
Matrix:	SOLID	**Lab WorkOrder:**	K1AEA
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Chloride	250	227	91		89 - 109

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-088L
Matrix:	SOLID	**Lab WorkOrder:**	K1AEA
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295088	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Chloride	250	225		90		0.72		89 - 109	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-557C
Matrix:	SOLID	**Lab WorkOrder:**	K1EEW
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Chloride	250	251	100		89 - 109

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-557L
Matrix:	SOLID	**Lab WorkOrder:**	K1EEW
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296557	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Chloride	250	251		100		0.26		89 - 109	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-089C
Matrix:	SOLID	**Lab WorkOrder:**	K1AEK
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 12:27
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Sulfate	250	238	95		86 - 107

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J210000-089L
Matrix:	SOLID	**Lab WorkOrder:**	K1AEK
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/20/08 10:30
QC Batch ID:	8295089	**Date/Time Analyzed:**	10/20/08 12:44
Sample Aliquot:		**Instrument ID:**	IC3
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Sulfate	250	238		95		0.030		86 - 107	10

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-559C
Matrix:	SOLID	**Lab WorkOrder:**	K1EE0
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 11:05
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Sulfate	250	251	100		86 - 107

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J220000-559L
Matrix:	SOLID	**Lab WorkOrder:**	K1EE0
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9056	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	10/22/08 09:00
QC Batch ID:	8296559	**Date/Time Analyzed:**	10/22/08 13:06
Sample Aliquot:		**Instrument ID:**	IC8
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
Sulfate	250	250		100		0.32		86 - 107	10

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pH

SW846 9045C

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 08:35
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:24
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.3		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:26
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:26
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.4		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:28
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:28
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.0		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:29
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:29
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.2		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:33
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:33
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.0		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:34
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:34
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.0		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:36
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:36
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.0		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:37
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:37
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q925	pH	9.2		0.10	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 10:25
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:25
MSD Sample Aliquot:		**Instrument ID:**	NO INST
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
pH	5.0	9.3		9.3	0.11	

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J180000-096C
Matrix:	SOLID	**Lab WorkOrder:**	K1A12
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 08:35
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:32
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
pH	7.00	7.03	100		97 - 103

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J180000-096L
Matrix:	SOLID	**Lab WorkOrder:**	K1A12
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	9045C	**Date Leached:**	
Unit:	No Units	**Date/Time Extracted:**	10/18/08 08:35
QC Batch ID:	8292096	**Date/Time Analyzed:**	10/18/08 10:45
Sample Aliquot:		**Instrument ID:**	NO INST
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
pH	7.00	7.03		100		0.0		97 - 103	5.0

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Percent Moisture

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Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-001
Matrix:	SOLID	**Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	16.06 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.7	0.0	0.10	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL8
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-002
Matrix:	SOLID	**Lab WorkOrder:**	K0QPQ
% Moisture:	3.3	**Date/Time Collected:**	10/07/08 09:51
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	15.02 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.3	0.0	0.10	

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Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL9
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-003
Matrix:	SOLID	**Lab WorkOrder:**	K0QPR
% Moisture:	3.9	**Date/Time Collected:**	10/07/08 09:10
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	17.05 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.9	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM0
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-004
Matrix:	SOLID	**Lab WorkOrder:**	K0QPT
% Moisture:	3.4	**Date/Time Collected:**	10/07/08 09:17
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	15.06 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.4	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM1
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-005
Matrix:	SOLID	**Lab WorkOrder:**	K0QPV
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:40
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	16.58 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.2	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM2
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-006
Matrix:	SOLID	**Lab WorkOrder:**	K0QPW
% Moisture:	3.2	**Date/Time Collected:**	10/07/08 14:37
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	15.58 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.2	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM3
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-007
Matrix:	SOLID	**Lab WorkOrder:**	K0QPX
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 14:32
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	16.83 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.0	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JM4
Lot/SDG Number:	D8J130178	**Lab Sample ID:**	D8J130178-008
Matrix:	SOLID	**Lab WorkOrder:**	K0QP0
% Moisture:	3.0	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
Sample Aliquot:	15.14 g	**Instrument ID:**	BAL
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
Q1028	Percent Moisture	3.0	0.0	0.10	

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THE LEADER IN ENVIRONMENTAL TESTING

Washington Closure Hanford LLC

Wet Chemistry Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	J17JL7 DUP
Lot/SDG Number:	D8J130178	**MSD Lab Sample ID:**	D8J130178-001X
Matrix:	SOLID	**MSD Lab WorkOrder:**	K0QPM
% Moisture:	3.7	**Date/Time Collected:**	10/07/08 10:15
Basis:	Wet	**Date/Time Received:**	10/10/08 09:00
Analysis Method:	D 2216-90	**Date Leached:**	
Unit:	%	**Date/Time Extracted:**	10/16/08 10:30
QC Batch ID:	8290358	**Date/Time Analyzed:**	10/16/08 10:30
MSD Sample Aliquot:	16.02 g	**Instrument ID:**	BAL
MSD Dilution Factor:	1		

Analyte	RPD Limit	Sample Result	Q	Duplicate Result	RPD	Q
Percent Moisture	20	3.7		3.5	3.3	