0069925

SAF-B03-018
ERDF Groundwater Well Samples
FINAL DATA PACKAGE

MAIL COMPLETE COPY OF DATA PACKAGE TO:

Jim Rugg	H9-03	____NB 5/15/06_ INITIAL/DATE
Rich Weiss	H9-01	____NB 5/15/06_ INITIAL/DATE
Jeanette Duncan	H9-02	____NB 5/15/06_ INITIAL/DATE

RECEIVED
JUN 2 2 2006
EDMC

COMMENTS:

SDG __K0025___ SAF-B03-018

Rad only X Chem only Rad & Chem

X Complete Partial

Metals only: Add-on Arsenic, Lead, Selenium

Lionville Laboratory, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B03-018 K0025

DATE RECEIVED: 09/23/05 LVL LOT # :0509L377

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B1DMW5						
SILVER, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
SILVER, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, TOTAL	001	W	05L0555	09/22/05	09/26/05	09/26/05

Lionville Laboratory, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B03-018 K0025

DATE RECEIVED: 09/23/05 LVL LOT # :0509L377

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
ZINC, TOTAL	001 REP	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMX1						
SILVER, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
SILVER, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05

Lionville Laboratory, Inc.
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TNUHANFORD B03-018 K0025

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CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
ZINC, SOLUBLE	002	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, SOLUBLE	002 MS	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMW6						
SILVER, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, TOTAL	003	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMX2						
SILVER, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05

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CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
MANGANESE, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, SOLUBLE	004	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMW7						
SILVER, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, TOTAL	005	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMX3						
SILVER, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05

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CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
COPPER, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, SOLUBLE	006	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMW8						
SILVER, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, TOTAL	007	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMX4						
SILVER, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05

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CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CALCIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, SOLUBLE	008	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMW9						
SILVER, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
ALUMINUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, TOTAL	009	W	05L0555	09/22/05	09/26/05	09/26/05
B1DMX5						
SILVER, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05

Lionville Laboratory, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B03-018 K0025

DATE RECEIVED: 09/23/05 LVL LOT # :0509L377

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
ALUMINUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
BARIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
BERYLLIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
CALCIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
CADMIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
COBALT, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
CHROMIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
COPPER, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
IRON, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
POTASSIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
MAGNESIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
MANGANESE, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
SODIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
NICKEL, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
ANTIMONY, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
VANADIUM, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05
ZINC, SOLUBLE	010	W	05L0555	09/22/05	09/26/05	09/26/05

LAB QC:

SILVER LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
SILVER, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
ALUMINUM LABORTORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
ALUMINUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
BARIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
BARIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
BERYLLIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
BERYLLIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
CALCIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
CALCIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
CADMIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
CADMIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
COBALT LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
COBALT, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
CHROMIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
CHROMIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
COPPER LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
COPPER, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05

Lionville Laboratory, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B03-018 K0025

DATE RECEIVED: 09/23/05 LVL LOT # :0509L377

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
IRON LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
IRON, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
POTASSIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
POTASSIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
MAGNESIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
MAGNESIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
MANGANESE LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
MANGANESE, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
SODIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
SODIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
NICKEL LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
NICKEL, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
ANTIMONY LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
ANTIMONY, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
VANADIUM LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
VANADIUM, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05
ZINC LABORATORY	LC1 BS	W	05L0555	N/A	09/26/05	09/26/05
ZINC, TOTAL	MB1	W	05L0555	N/A	09/26/05	09/26/05

LIONVILLE LABORATORY INC.

Analytical Report

Client: TNU-HANFORD B03-018
LVL#: 0509L377
SDG/SAF#: K0025/B03-018

W.O.#: 11343-606-001-9999-00
Date Received: 09-23-05

METALS CASE NARRATIVE

1. This narrative covers the analyses of 10 water samples.

2. The samples were prepared and analyzed in accordance with methods checked on the attached glossary.

3. All analyses were performed within the required holding times.

4. Please refer to the Sample Receipt Check List for sample discrepancies in LvLI's sample acceptance policy.

5. All Initial and Continuing Calibration Verifications (ICV/CCVs) were within the 90-110% control limits.

6. All Initial and Continuing Calibration Blanks (ICB/CCBs) were within control limits (less than the PQL).

7. The preparation/method blanks for 2 analytes were outside method criteria. {less than the Practical Quantitation Limit (3X the IDL), or samples greater than 20X MB value}. Refer to the Inorganics Method Blank Data Summary.

   a). The MB results for Aluminum and Sodium were greater than the Practical Quantitation Limit (PQL) {3 x the (IDL) Instrument Detection Level} and some samples read less than 20 times the MB concentration. However, no corrective action criteria for MBs were provided in SW846 method 6010B. The sample results were reported herein "uncorrected" for the levels found in the MB.

8. All ICP Interference Check Standards were within control limits.

9. All laboratory control samples (LCS) were within the 80-120% control limits. Refer to the Inorganics Laboratory Control Standards Report.

10. All matrix spike (MS) recoveries were within the 75-125% control limits. Refer to the Inorganics Accuracy Report.

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 30 pages.

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11. The duplicate analyses for 5 analytes were outside the 20% Relative Percent Difference (RPD) control limits. Refer to the Inorganics Precision Report. The replicate analysis was redigeseted for Aluminum, Chromium, Iron, and Manganese, however, the redigestion showed even more disparity than that found in the original digestion.

12. For the purposes of this report, the data has been reported to the Instrument Detection Limit (IDL). Values between the IDL and the Practical Quantitation Limit (PQL) are acquired in a region of less-certain quantification.

13. LvLI is NELAP accredited by the state of Pennsylvania and holds over 20 additional state accreditations. For a complete listing of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager.

14. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, 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.

Iain Daniels
Laboratory Manager
Lionville Laboratory Incorporated

10/11/05
Date

jjw/m09-377

LVLI
LIONVILLE LABORATORY INC.

METALS METHOD GLOSSARY

The following methods are used as reference for the digestion and analysis of samples contained within t

Lot#: 0509L377

Leaching Procedure: __1310 __1311 __1312 __Other:_____

CLP Metals __ Digestion and __ Analysis Methods: __ILM03.0 __ILM04.0

Metals Digestion Methods: X3005A __3010A __3015 __3020A __3050B __3051 __200.7 __SS17
__Other: _____

Metals Analysis Methods

	SW846		EPA		STD MTD	EPA OSWR	USATHAMA
Aluminum	X6010B		__200.7				__99
Antimony	X6010B	__7041 [5]	__200.7	__204.2			__99
Arsenic	__6010B	__7060A [5]	__200.7	__206.2	__3113B		__99
Barium	X6010B		__200.7				__99
Beryllium	X6010B		__200.7				__99
Bismuth	__6010B [1]		__200.7 [1]			__1620	__99
Boron	__6010B		__200.7				__99
Cadmium	X6010B	__7131A [5]	__200.7	__213.2			__99
Calcium	X6010B		__200.7				__99
Chromium	X6010B	__7191 [5]	__200.7	__218.2			__SS17
Cobalt	X6010B		__200.7				__99
Copper	X6010B	__7211 [5]	__200.7	__220.2			__99
Iron	X6010B		__200.7				__99
Lead	__6010B	__7421 [5]	__200.7	__239.2	__3113B		__99
Lithium	__6010B	__7430 [4]	__200.7			__1620	__99
Magnesium	X6010B		__200.7				__99
Manganese	X6010B		__200.7				__99
Mercury	__7470A [3]	__7471A [3]	__245.1 [2]	__245.5 [2]			__99
Molybdenum	__6010B		__200.7				__99
Nickel	X6010B		__200.7				__99
Potassium	X6010B	__7610 [4]	__200.7	__258.1 [4]			__99
Rare Earths	__6010B [1]		__200.7 [1]			__1620	__99
Selenium	__6010B	__7740 [5]	__200.7	__270.2	__3113B		__99
Silicon	__6010B [1]		__200.7			__1620	__99
Silica	__6010B		__200.7			__1620	__99
Silver	X6010B	__7761 [5]	__200.7	__272.2			__99
Sodium	X6010B	__7770 [4]	__200.7	__273.1 [4]			__99
Strontium	__6010B		__200.7				__99
Thallium	__6010B	__7841 [5]	__200.7	__279.2 __200.9			__99
Tin	__6010B		__200.7				__99
Titanium	__6010B		__200.7				__99
Uranium	__6010B [1]		__200.7 [1]			__1620	__99
Vanadium	X6010B		__200.7				__99
Zinc	X6010B		__200.7				__99
Zirconium	__6010B [1]		__200.7 [1]			__1620	__99

Other: Method: _____

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.

* = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

MB = Method or Preparation Blank.
MS = Matrix Spike.
MSD = Matrix Spike Duplicate.
REP = Sample Replicate
LCS = Laboratory Control Sample.
NC = Not calculated.

ANALYTICAL METAL METHODS

1. Not included in the method element list.

2. Modified Hg: Hg1 and Hg2 require less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionately scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 mL. For soils, approximately 0.3 grams of sample is taken to a final volume of 50 mL (including all reagents).

3. Flame AA.

4. Graphite Furnace AA.

L-WI-033/N-04/98

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-001	B1DMW5	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	311		UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	59.1		UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	45600		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	5.6		UG/L	3.6	1.0
		Copper, Total	2.2		UG/L	1.8	1.0
		Iron, Total	760		UG/L	11.3	1.0
		Potassium, Total	4990		UG/L	340	1.0
		Magnesium, Total	14300		UG/L	37.7	1.0
		Manganese, Total	31.1		UG/L	5.4	1.0
		Sodium, Total	20000		UG/L	17.4	1.0
		Nickel, Total	13.9		UG/L	10.7	1.0
		Lead, Total	31.9	u	UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	24.4		UG/L	3.7	1.0
		Zinc, Total	571		UG/L	1.1	1.0

Lionville Laboratory, Inc

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-002	B1DMX1	Silver, Soluble	4.6	u	UG/L	4.6	1.0
		Aluminum, Soluble	68.4		UG/L	19.2	1.0
		Arsenic, Soluble	23.6	u	UG/L	23.6	1.0
		Barium, Soluble	48.4		UG/L	3.2	1.0
		Beryllium, Soluble	0.20	u	UG/L	0.20	1.0
		Calcium, Soluble	42400		UG/L	17.8	1.0
		Cadmium, Soluble	2.9	u	UG/L	2.9	1.0
		Cobalt, Soluble	4.5	u	UG/L	4.5	1.0
		Chromium, Soluble	3.6	u	UG/L	3.6	1.0
		Copper, Soluble	2.7		UG/L	1.8	1.0
		Iron, Soluble	31.5		UG/L	11.3	1.0
		Potassium, Soluble	4950		UG/L	340	1.0
		Magnesium, Soluble	13300		UG/L	37.7	1.0
		Manganese, Soluble	5.4	u	UG/L	5.4	1.0
		Sodium, Soluble	18400		UG/L	17.4	1.0
		Nickel, Soluble	10.7	u	UG/L	10.7	1.0
		Lead, Soluble	31.9	u	UG/L	31.9	1.0
		Antimony, Soluble	26.1	u	UG/L	26.1	1.0
		Selenium, Soluble	44.0	u	UG/L	44.0	1.0
		Vanadium, Soluble	21.5		UG/L	3.7	1.0
		Zinc, Soluble	266		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-003	B1DMW6	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	19.2	u	UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	3.2	u	UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	32.4		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	3.6	u	UG/L	3.6	1.0
		Copper, Total	1.8	u	UG/L	1.8	1.0
		Iron, Total	11.3	u	UG/L	11.3	1.0
		Potassium, Total	340	u	UG/L	340	1.0
		Magnesium, Total	37.7	u	UG/L	37.7	1.0
		Manganese, Total	5.4	u	UG/L	5.4	1.0
		Sodium, Total	27.0		UG/L	17.4	1.0
		Nickel, Total	13.4		UG/L	10.7	1.0
		Lead, Total	31.9	u	UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	3.7	u	UG/L	3.7	1.0
		Zinc, Total	1.4		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-004	B1DMX2	Silver, Soluble	4.6	u	UG/L	4.6	1.0
		Aluminum, Soluble	19.2	u	UG/L	19.2	1.0
		Arsenic, Soluble	23.6	u	UG/L	23.6	1.0
		Barium, Soluble	3.2	u	UG/L	3.2	1.0
		Beryllium, Soluble	0.20	u	UG/L	0.20	1.0
		Calcium, Soluble	28.2		UG/L	17.8	1.0
		Cadmium, Soluble	2.9	u	UG/L	2.9	1.0
		Cobalt, Soluble	4.5	u	UG/L	4.5	1.0
		Chromium, Soluble	4.3		UG/L	3.6	1.0
		Copper, Soluble	1.8	u	UG/L	1.8	1.0
		Iron, Soluble	11.3	u	UG/L	11.3	1.0
		Potassium, Soluble	340	u	UG/L	340	1.0
		Magnesium, Soluble	37.7	u	UG/L	37.7	1.0
		Manganese, Soluble	5.4	u	UG/L	5.4	1.0
		Sodium, Soluble	59.7		UG/L	17.4	1.0
		Nickel, Soluble	10.7	u	UG/L	10.7	1.0
		Lead, Soluble	31.9	u	UG/L	31.9	1.0
		Antimony, Soluble	26.1	u	UG/L	26.1	1.0
		Selenium, Soluble	44.0	u	UG/L	44.0	1.0
		Vanadium, Soluble	3.7	u	UG/L	3.7	1.0
		Zinc, Soluble	1.1	u	UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-005	B1DMW7	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	24.2		UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	60.5		UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	49300		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	9.5		UG/L	3.6	1.0
		Copper, Total	1.8	u	UG/L	1.8	1.0
		Iron, Total	78.8		UG/L	11.3	1.0
		Potassium, Total	5220		UG/L	340	1.0
		Magnesium, Total	15800		UG/L	37.7	1.0
		Manganese, Total	5.4	u	UG/L	5.4	1.0
		Sodium, Total	18300		UG/L	17.4	1.0
		Nickel, Total	10.7	u	UG/L	10.7	1.0
		Lead, Total	37.7		UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	27.9		UG/L	3.7	1.0
		Zinc, Total	7.3		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-006	B1DMX3	Silver, Soluble	4.6	u	UG/L	4.6	1.0
		Aluminum, Soluble	25.2		UG/L	19.2	1.0
		Arsenic, Soluble	23.6	u	UG/L	23.6	1.0
		Barium, Soluble	54.5		UG/L	3.2	1.0
		Beryllium, Soluble	0.20	u	UG/L	0.20	1.0
		Calcium, Soluble	44900		UG/L	17.8	1.0
		Cadmium, Soluble	2.9	u	UG/L	2.9	1.0
		Cobalt, Soluble	4.5	u	UG/L	4.5	1.0
		Chromium, Soluble	3.6	u	UG/L	3.6	1.0
		Copper, Soluble	2.0		UG/L	1.8	1.0
		Iron, Soluble	33.8		UG/L	11.3	1.0
		Potassium, Soluble	4750		UG/L	340	1.0
		Magnesium, Soluble	14400		UG/L	37.7	1.0
		Manganese, Soluble	5.4	u	UG/L	5.4	1.0
		Sodium, Soluble	16600		UG/L	17.4	1.0
		Nickel, Soluble	10.7	u	UG/L	10.7	1.0
		Lead, Soluble	31.9	u	UG/L	31.9	1.0
		Antimony, Soluble	26.1	u	UG/L	26.1	1.0
		Selenium, Soluble	44.0	u	UG/L	44.0	1.0
		Vanadium, Soluble	24.9		UG/L	3.7	1.0
		Zinc, Soluble	8.5		UG/L	1.1	1.0

Lionville Laboratory, Inc

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-007	B1DMW8	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	42.8		UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	65.8		UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	59000		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	12.8		UG/L	3.6	1.0
		Copper, Total	2.7		UG/L	1.8	1.0
		Iron, Total	219		UG/L	11.3	1.0
		Potassium, Total	6060		UG/L	340	1.0
		Magnesium, Total	19000		UG/L	37.7	1.0
		Manganese, Total	5.4	u	UG/L	5.4	1.0
		Sodium, Total	19600		UG/L	17.4	1.0
		Nickel, Total	18.7		UG/L	10.7	1.0
		Lead, Total	31.9	u	UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	25.3		UG/L	3.7	1.0
		Zinc, Total	33.2		UG/L	1.1	1.0

Lionville Laboratory, Inc

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-008	B1DMX4	Silver, Soluble	4.6	u	UG/L	4.6	1.0
		Aluminum, Soluble	25.6		UG/L	19.2	1.0
		Arsenic, Soluble	27.5		UG/L	23.6	1.0
		Barium, Soluble	65.4		UG/L	3.2	1.0
		Beryllium, Soluble	0.20	u	UG/L	0.20	1.0
		Calcium, Soluble	58700		UG/L	17.8	1.0
		Cadmium, Soluble	2.9	u	UG/L	2.9	1.0
		Cobalt, Soluble	4.5	u	UG/L	4.5	1.0
		Chromium, Soluble	3.6	u	UG/L	3.6	1.0
		Copper, Soluble	1.8	u	UG/L	1.8	1.0
		Iron, Soluble	20.3		UG/L	11.3	1.0
		Potassium, Soluble	5840		UG/L	340	1.0
		Magnesium, Soluble	19000		UG/L	37.7	1.0
		Manganese, Soluble	5.4	u	UG/L	5.4	1.0
		Sodium, Soluble	19700		UG/L	17.4	1.0
		Nickel, Soluble	14.3		UG/L	10.7	1.0
		Lead, Soluble	31.9	u	UG/L	31.9	1.0
		Antimony, Soluble	30.0		UG/L	26.1	1.0
		Selenium, Soluble	44.0	u	UG/L	44.0	1.0
		Vanadium, Soluble	27.4		UG/L	3.7	1.0
		Zinc, Soluble	9.1		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-009	B1DMW9	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	60.2		UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	61.5		UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	55500		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	18.4		UG/L	3.6	1.0
		Copper, Total	1.8	u	UG/L	1.8	1.0
		Iron, Total	213		UG/L	11.3	1.0
		Potassium, Total	5580		UG/L	340	1.0
		Magnesium, Total	17900		UG/L	37.7	1.0
		Manganese, Total	5.4	u	UG/L	5.4	1.0
		Sodium, Total	18600		UG/L	17.4	1.0
		Nickel, Total	10.9		UG/L	10.7	1.0
		Lead, Total	31.9	u	UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	23.9		UG/L	3.7	1.0
		Zinc, Total	29.3		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-010	B1DMX5	Silver, Soluble	4.6	u	UG/L	4.6	1.0
		Aluminum, Soluble	19.2	u	UG/L	19.2	1.0
		Arsenic, Soluble	23.6	u	UG/L	23.6	1.0
		Barium, Soluble	63.8		UG/L	3.2	1.0
		Beryllium, Soluble	0.20	u	UG/L	0.20	1.0
		Calcium, Soluble	58800		UG/L	17.8	1.0
		Cadmium, Soluble	2.9	u	UG/L	2.9	1.0
		Cobalt, Soluble	4.5	u	UG/L	4.5	1.0
		Chromium, Soluble	5.4		UG/L	3.6	1.0
		Copper, Soluble	1.8	u	UG/L	1.8	1.0
		Iron, Soluble	35.4		UG/L	11.3	1.0
		Potassium, Soluble	6010		UG/L	340	1.0
		Magnesium, Soluble	19100		UG/L	37.7	1.0
		Manganese, Soluble	5.4	u	UG/L	5.4	1.0
		Sodium, Soluble	19700		UG/L	17.4	1.0
		Nickel, Soluble	10.7	u	UG/L	10.7	1.0
		Lead, Soluble	31.9	u	UG/L	31.9	1.0
		Antimony, Soluble	26.1	u	UG/L	26.1	1.0
		Selenium, Soluble	44.0	u	UG/L	44.0	1.0
		Vanadium, Soluble	23.4		UG/L	3.7	1.0
		Zinc, Soluble	8.6		UG/L	1.1	1.0

Lionville Laboratory, Inc.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK1	05L0555-MB1	Silver, Total	4.6	u	UG/L	4.6	1.0
		Aluminum, Total	103		UG/L	19.2	1.0
		Arsenic, Total	23.6	u	UG/L	23.6	1.0
		Barium, Total	3.2	u	UG/L	3.2	1.0
		Beryllium, Total	0.20	u	UG/L	0.20	1.0
		Calcium, Total	36.2		UG/L	17.8	1.0
		Cadmium, Total	2.9	u	UG/L	2.9	1.0
		Cobalt, Total	4.5	u	UG/L	4.5	1.0
		Chromium, Total	4.3		UG/L	3.6	1.0
		Copper, Total	2.5		UG/L	1.8	1.0
		Iron, Total	16.6		UG/L	11.3	1.0
		Potassium, Total	340	u	UG/L	340	1.0
		Magnesium, Total	37.7	u	UG/L	37.7	1.0
		Manganese, Total	5.4	u	UG/L	5.4	1.0
		Sodium, Total	718		UG/L	17.4	1.0
		Nickel, Total	12.6		UG/L	10.7	1.0
		Lead, Total	31.9	u	UG/L	31.9	1.0
		Antimony, Total	26.1	u	UG/L	26.1	1.0
		Selenium, Total	44.0	u	UG/L	44.0	1.0
		Vanadium, Total	3.7	u	UG/L	3.7	1.0
		Zinc, Total	2.0		UG/L	1.1	1.0

Lionville Laboratory, Inc

INORGANICS ACCURACY REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR(SPK)
-002	B1DMX1	Silver, Soluble	46.4	4.6 u	50.0	92.8	1.0
		Aluminum, Soluble	1890	68.4	2000	91.2	1.0
		Arsenic, Soluble	1820	23.6 u	2000	91.1	1.0
		Barium, Soluble	1820	48.4	2000	88.4	1.0
		Beryllium, Soluble	43.7	0.20u	50.0	87.4	1.0
		Calcium, Soluble	68100	42400	25000	102.5	1.0
		Cadmium, Soluble	42.3	2.9 u	50.0	84.6	1.0
		Cobalt, Soluble	458	4.5 u	500	91.5	1.0
		Chromium, Soluble	187	3.6 u	200	93.3	1.0
		Copper, Soluble	227	2.7	250	89.6	1.0
		Iron, Soluble	927	31.5	1000	89.6	1.0
		Potassium, Soluble	28100	4950	25000	92.7	1.0
		Magnesium, Soluble	36800	13300	25000	94.1	1.0
		Manganese, Soluble	452	5.4 u	500	90.3	1.0
		Sodium, Soluble	42300	18400	25000	95.7	1.0
		Nickel, Soluble	460	10.7 u	500	91.9	1.0
		Lead, Soluble	433	31.9 u	500	86.6	1.0
		Antimony, Soluble	453	26.1 u	500	90.6	1.0
		Selenium, Soluble	1830	44.0 u	2000	91.5	1.0
		Vanadium, Soluble	459	21.5	500	87.5	1.0
		Zinc, Soluble	731	266	500	92.9	1.0

Lionville Laboratory, Inc

INORGANICS PRECISION REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	RPD	DILUTION FACTOR(REP)
-001REP	B1DMW5	Silver, Total	4.6 u	4.6 u	NC	1.0
		Aluminum, Total	311	1190	117.3	1.0
		Arsenic, Total	23.6 u	23.6 u	NC	1.0
		Barium, Total	59.1	62.3	5.3	1.0
		Beryllium, Total	0.20u	0.20u	NC	1.0
		Calcium, Total	45600	44200	3.0	1.0
		Cadmium, Total	2.9 u	2.9 u	NC	1.0
		Cobalt, Total	4.5 u	4.5 u	NC	1.0
		Chromium, Total	5.6	16.4	98.2	1.0
		Copper, Total	2.2	5.0	77.8	1.0
		Iron, Total	760	2610	109.9	1.0
		Potassium, Total	4990	5400	7.8	1.0
		Magnesium, Total	14300	14100	1.1	1.0
		Manganese, Total	31.1	53.8	53.6	1.0
		Sodium, Total	20000	19200	3.9	1.0
		Nickel, Total	13.9	15.9	13.4	1.0
		Lead, Total	31.9 u	31.9 u	NC	1.0
		Antimony, Total	26.1 u	26.1 u	NC	1.0
		Selenium, Total	44.0 u	44.0 u	NC	1.0
		Vanadium, Total	24.4	27.3	11.2	1.0
		Zinc, Total	571	563	1.4	1.0

Lionville Laboratory, Inc.

INORGANICS LABORATORY CONTROL STANDARDS REPORT 04/18/06

CLIENT: TNUHANFORD B03-018 K0025 LVL LOT #: 0509L377

WORK ORDER: 11343-606-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	SPIKED AMOUNT	UNITS	%RECOV
LCS1	05L0555-LC1	Silver, LCS	498	500	UG/L	99.7
		Aluminum, LCS	5230	5000	UG/L	104.5
		Arsenic, LCS	10500	10000	UG/L	104.9
		Barium, LCS	5000	5000	UG/L	99.9
		Beryllium, LCS	239	250	UG/L	95.5
		Calcium, LCS	25100	25000	UG/L	100.6
		Cadmium, LCS	265	250	UG/L	106.1
		Cobalt, LCS	2560	2500	UG/L	102.3
		Chromium, LCS	503	500	UG/L	100.6
		Copper, LCS	1230	1250	UG/L	98.2
		Iron, LCS	4940	5000	UG/L	98.9
		Potassium, LCS	24300	25000	UG/L	97.2
		Magnesium, LCS	24700	25000	UG/L	98.8
		Manganese, LCS	753	750	UG/L	100.5
		Sodium, LCS	24700	25000	UG/L	99.0
		Nickel, LCS	1990	2000	UG/L	99.4
		Lead, LCS	2300	2500	UG/L	92.1
		Antimony, LCS	2870	3000	UG/L	95.6
		Selenium, LCS	10500	10000	UG/L	105.2
		Vanadium, LCS	2430	2500	UG/L	97.1
		Zinc, LCS	1020	1000	UG/L	101.6

Lionville Laboratory Use Only

0509L377

Custody Transfer Record/Lab Work Request

Page 1 of 2

See SRC

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

	A-C					D		E		F	G	H	I		
Refrigerator #	1					1	3	3		3	3	3	3		
#/Type Container															
Volume															
Preservatives															
ANALYSES REQUESTED →	ORGANIC: VOA	BNA	Pest/PCB	Herb				INORG: Tot Metal	CN						
Lionville Laboratory Use Only	Ca24H					ITOX	METALS(2)	METALS(1)		TDS	IC(1)	IALKL	INSNG		

Client: [redacted]

Date Rec'd 9/23/05 Date Due 10/28/05

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected
001						
002						
003						
004						
005						
006						
007						
008						
009						
010						

Special Instructions: RUN MATRIX QC

METALS(2) = Al, Ag, Ba, Be, Cd, Ca, Co, Cr, Cu, Fe, K, Mg, Mn, Ni, Na, Sb, V, Zn

IC(1) = IC - Br, Cl, Fl, NO_2, NO_3, PO_4, SO_4

DATE/REVISIONS:

1.
2.
3.
4.
5.
6.

Relinquished by	Received by	Date	Time
[signature]	[signature]	9/23/05	0945

Relinquished by	Received by	Date	Time

Relinquished by	Received by	Date	Time
"COMPOSITE WASTE"	ORIGINAL REWRITTEN		

0000000022

Lionville Laboratory Use Only

0509L377

Custody Transfer Record/Lab Work Request

LVLI

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

A-C

Refrigerator #		1																	
#/Type Container																			
Volume																			
Preservatives																			
ANALYSES REQUESTED →		ORGANIC											INORG						
		VOA	BNA	Pest/ PCB	Herb								Metal	CN					
		↓ Lionville Laboratory Use Only ↓																	
		06024H																	

Date Rec'd _____ Date Due _____

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected
011						
012						

Special Instructions:

DATE/REVISIONS:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Relinquished by	Received by	Date	Time
[illegible]	[illegible]	9/23/05	0945

Relinquished by	Received by	Date	Time

Relinquished by	Received by	Date	Time

000000023

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B03-018-131

000000024

Collector: DURATEK A.T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No.: B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title: ERDF Groundwater Well Samples	DTT-Sam-P H98	Ice Chest No. SML 4080 Temp.
Shipped To (Lab): Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901 6306 5355
Protocol: GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMW5		W	9-22-05	1051	1x500-mL G/P	TDS - 160.1	Cool 4C
B1DMW5		W			3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMW5		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2
B1DMW5		W			1x500-mL P	IC Anions - 300.0	Cool 4C
B1DMW5		W			1x250-mL G/P	Alkalinity - 310.1	Cool 4C
B1DMW5		W			1x500-mL G/P	NO2/NO3 - 353.2	H2SO4 to pH <2 Cool 4C
B1DMW5		W			1x20-mL P	Activity Scan	None
B1DMW5		W			1x500-mL aGs*	TOX - 9020	H2SO4 to pH <2 Cool 4C
B1DMX1 (F)		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK A.T. SICKLE			SEP 22 2005 1400	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
			9/23/05 0945				9-23-05 0945
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B03-018-132

Collector: DURATEK R. T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No. B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title: FRDF Groundwater Well Samples	BTS-SHWS H 98	Ice Chest No. SML 4050 Temp.
Shipped To (Lab): Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901 6306 5355
Protocol: GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMW6		W	9-22-05	0800	1x500-mL G/P	TDS - 160.1	Cool 4C
B1DMW6		W			3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMW6		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2
B1DMW6		W			1x500-mL P	IC Anions - 300.0	Cool 4C
B1DMW6		W			1x250-mL G/P	Alkalinity - 310.1	Cool 4C
B1DMW6		W			1x500-mL G/P	NO2/NO3 - 353.2	H2SO4 to pH <2 Cool 4C
B1DMW6		W			1x20-mL P	Activity Scan	None
B1DMW6		W			1x500-mL aGs*	TOX - 9020	H2SO4 to pH <2 Cool 4C
B1DMX2 (F)		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R. T. SICKLE			SEP 22 2005 1400		FedEx		
Relinquished By			Date/Time	Received By			Date/Time
			9/23/05 0945			9-23-05	0945
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

00000025

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B03-018-133

000000026

Collector DURATEK R.T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No. B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title FRDF Groundwater Well Samples	DTS-SAWS H 9B	Ice Chest No. SMC 4050 Temp.
Shipped To (Lab) Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901630455 55
Protocol GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMW7		W	9-22-05	0924	1x500-mL G/P	TDS - 160.1	Cool 4C
B1DMW7		W			3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMW7		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2
B1DMW7		W			1x500-mL P	IC Anions - 300.0	Cool 4C
B1DMW7		W			1x250-mL G/P	Alkalinity - 310.1	Cool 4C
B1DMW7		W			1x500-mL G/P	NO2/NO3 - 353.2	H2SO4 to pH <2 Cool 4C
B1DMW7		W			1x20-mL P	Activity Scan	None
B1DMW7		W			1x500-mL aGs*	TOX - 9020	H2SO4 to pH <2 Cool 4C
B1DMX3 (F)		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R.T. SICKLE			SEP 22 2005	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FedEx		9/23/05	0945			9-23-05	0945
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC No. B03-018-134

000000027

Collector DURATEK R.T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No. B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title ERDF Groundwater Well Samples	UTS- SAWS 1498	Ice Chest No. SML 4160 Temp.
Shipped To (Lab) Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901630653 55
Protocol GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMW8		W	9-22-05	1233	1x500-mL G/P	TDS - 160.1	Cool 4C
B1DMW8		W			3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMW8		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2
B1DMW8		W			1x500-mL P	IC Anions - 300.0	Cool 4C
B1DMW8		W			1x250-mL G/P	Alkalinity - 310.1	Cool 4C
B1DMW8		W			1x500-mL G/P	NO2/NO3 - 353.2	H2SO4 to pH <2 Cool 4C
B1DMW8		W			1x20-mL P	Activity Scan	None
B1DMW8		W			1x500-mL aGs*	TOX - 9020	H2SO4 to pH <2 Cool 4C
B1DMX4 (F)		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R.T. SICKLE			SEP 22 2005 1400	FED EX			
			9-23-05 0945				9-23-05 0945

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC #: B03-018-135

000000028

Collector: DURATEK R.T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No. B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title: ERDF Groundwater Well Samples	DTS- SAWS H98	Ice Chest No. SML 4050 Temp.
Shipped To (Lab): Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901 6306 5355
Protocol: GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMW9		W	9-22-05	1233	1x500-mL G/P	TDS - 160.1	Cool 4C
B1DMW9		W			3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMW9		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2
B1DMW9		W			1x500-mL P	IC Anions - 300.0	Cool 4C
B1DMW9		W			1x250-mL G/P	Alkalinity - 310.1	Cool 4C
B1DMW9		W			1x500-mL G/P	NO2/NO3 - 353.2	H2SO4 to pH <2 Cool 4C
B1DMW9		W			1x20-mL P	Activity Scan	None
B1DMW9		W			1x500-mL aGs*	TOX - 9020	H2SO4 to pH <2 Cool 4C
B1DMX5 (F)		W			1x500-mL G/P	ICP Metals - 6010B (TAL)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R.T. SICKLE			SEP 22 2005 1400	FED EX			
			9/23/05 0945				9-23-05 0945

Matrix *

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SL = Sludge		WI = Wipe	
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A = Air		X = Other	

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B03-018-139

Collector: DURATEK R. T. SICKLE	Contact/Requester	Telephone No. MSIN FAX
SAF No. B03-018	Sampling Origin	Purchase Order/Charge Code
Project Title: ERDF Groundwater Well Samples	JTS- Shaw 1498	Ice Chest No. SML 4050 Temp.
Shipped To (Lab): Lionville Laboratory Incorporated	Method of Shipment	Bill of Lading/Air Bill No. 7901 6306 5355
Protocol: GPP	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1DMX9		W	9-22-05	0800	3x40-mL aGs*	VOA - 8260B (TCL)	HCl or H2SO4 to pH <2 Cool 4C
B1DMX9		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R. T. SICKLE			SEP 22 2005 1400	Fed Ex			
Fed Ex			9/23/05 0945				9/23/05 0945

Matrix *

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SB = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
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FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

000000029

Lionville Laboratory Incorporated

SAMPLE RECEIPT CHECKLIST (SRC)

CLIENT: TNU-HANFORD **Date:** 9/23/05

Purchase Order / Project# / SAF# / SOW# / Release #: B03-018

LvLI Batch # : 0509L377 **Sample Custodian:**

NOTE: EXPLAIN ALL DISCREPANCIES

1.	Samples Hand Delivered or Shipped	Carrier Fed Ex		Airbill# 7901 6306 5355	
2.	Custody seals on coolers or shipping container intact, signed and dated?	☑ Yes	☐ No	☐ No Seals	Comments
3.	Outside of coolers or shipping containers are free from damage?	☑ Yes	☐ No		
4.	All expected paperwork received (coc and other client specific information) sealed in plastic bag and easily accessible?	☑ Yes	☐ No		
5.	Samples received cooled or ambient?	Temp 5	°C	Cooler # SML 4050	
6.	Custody seals on sample containers intact, signed and dated?	☑ Yes	☐ No	☐ No Seals	
7.	coc signed and dated?	☑ Yes	☐ No		
8.	Sample containers are intact?	☑ Yes	☐ No		
9.	All samples on coc received? All samples received on coc?	☑ Yes	☐ No		
10.	All sample label information matches coc?	☑ Yes	☐ No		
11.	Samples properly preserved?	☑ Yes	☐ No		
12.	Samples received within hold times? Short holds taken to wet lab?	☑ Yes	☐ No		
13.	VOA, TOC, TOX free of headspace?	☑ Yes	☐ No	☐ N/A	TOX Air Bubble
14.	QC stickers placed on bottles designated by client?	☐ Yes	☐ No	☑ N/A	
15.	Shipment meets LvLI Sample Acceptance Policy? (Identify all bottles not within policy. See reverse side for policy)	☐ Yes	☑ No		
16.	Project Manager contacted concerning discrepancies? name/date (or samples outside criteria)	☑ Yes	☐ No	☐ No Discrepancies	

SR-002-B

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