TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

F11-002

Lot #: F1K090451
SDG #: SL1207

Scot Fitzgerald

CH2M Hill Plateau Remediation
PO Box 1600, MS H8-41
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.

RECEIVED
JAN 24 2012
EDMC

Michael C. Franks
Project Manager

November 25, 2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
MS B3-60
Richland, Washington 99352
November 25, 2011
Attention: Scot Fitzgerald

TestAmerica Laboratories, Inc.

SDG	: SL1207
Number of Samples	: five samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: November 9, 2011

II. Introduction

Between on November 9, 2011, five samples water samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

The following SAFs are associated with this SDG: F11-002

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

Deviation from Request: None

IV. Definitions

QCBLK-	Quality Control Blank, Method Blank
QCLCS-	Quality Control Laboratory Control Sample, Blank Spike
DUP-	Laboratory Duplicate
MS-	Matrix Spike
MSD-	Matrix Spike Duplicate

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

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CH2M Hill Plateau Remediation Company

TestAmerica Laboratories, Inc.

November 25, 2011
SDG: SL1207

The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** – For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- **B** – For organic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **J** – For organic analyses, the sample is estimated and less than the RL.
- **C** – For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **D** – For all analyses, the sample result was obtained from the analysis of a dilution.
- **N** – For inorganics and GC analyses, the spike/spike duplicate recoveries are outside QC limits.
- **T** – For GCMS analyses, the spike/spike duplicate recoveries are outside QC limits.

ICP Metals

Batch: 1318054

The samples were analyzed at a dilution for Calcium and/or Nickel due to high concentrations of target and interfering analytes. The reporting limit has been adjusted for the dilution. The analytes are qualified with a "D" flag.
Affected Samples:
F1K090451 (1): B2J4K6
F1K090451 (3): B2J4J3
F1K090451 (4): B2J4J6
F1K090451 (5): B2J4K9

The MS/MSD recovery for calcium is outside the established QC limits. The said analyte concentration in the original sample is greater than four times the amount spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery. The analyte is qualified with an "N" flag.
Affected Samples:
F1K090451 (1): B2J4K6
F1K090451 (2): B2J4K3
F1K090451 (3): B2J4J3
F1K090451 (4): B2J4J6
F1K090451 (5): B2J4K9

The ICSA recovery for Chromium is outside the upper QC limit, indicating a potential positive bias for that analyte. This analyte was non-detect, indicating that the samples were not affected by this excursion.
Affected Samples:
F1K090451 (1): B2J4K6
F1K090451 (2): B2J4K3
F1K090451 (5): B2J4K9

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THE LEADER IN ENVIRONMENTAL TESTING

CH2M Hill Plateau Remediation Company

TestAmerica Laboratories, Inc.

November 25, 2011
SDG: SL1207

Ion Chromatography

Batches: 1313218-1313222

The samples were analyzed at a dilution for Chloride, Nitrate, and Sulfate due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.
These analytes are qualified with a "D" flag in the associated samples.
Affected Samples:
F1K090451 (1): B2J4K6
F1K090451 (3): B2J4J3
F1K090451 (4): B2J4J6
F1K090451 (5): B2J4K9

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

Reviewed and approved:

Michael Franks
St. Louis Project Manager

METHODS SUMMARY

F1K090451

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

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

SAMPLE SUMMARY

F1K090451

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MNVN1	001	B2J4K6	11/08/11	10:08
MNVP9	002	B2J4K3	11/08/11	07:40
MNVQA	003	B2J4J3	11/08/11	09:19
MNVQC	004	B2J4J6	11/08/11	09:19
MNVQD	005	B2J4K9	11/08/11	10:08

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.

SL1207 CWR 407

SDG# SL1207

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-002-027	PAGE 1 OF 1
COLLECTOR: Aguilar	COMPANY CONTACT: EVANS, RT	TELEPHONE NO.: 373-7924	PROJECT COORDINATOR: EVANS, RT	PRICE CODE: 7C	DATA TURNAROUND
SAMPLING LOCATION: KI-25 Effluent Point 13085-001	PROJECT DESIGNATION: 100-KR-4 Pump and Treat Influent & Effluent Tanks - Water		SAF NO.: F11-002	AIR QUALITY ☐	15 Days / 15 Days
ICE CHEST NO.: GWS-006	FIELD LOGBOOK NO.: HNF-N-583-1 / 123	ACTUAL SAMPLE DEPTH: N/A	COA: 300083ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica St. Louis	OFFSITE PROPERTY NO.: SEE PTR		BILL OF LADING/AIR BILL NO.: ~~SEE PTR~~ 7953 8574 5722		

DW: 11/8/11

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2/Cool~4C	Cool~4C
HOLDING TIME	6 Months	48 Hours
TYPE OF CONTAINER	G/P	P
NO. OF CONTAINER(S)	1	1
VOLUME	500mL	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B2J4K6	WATER	11-8-11	1008	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: em Aguilar em Agl	DATE/TIME: 11-8-11 1130	RECEIVED BY/STORED IN: L.D. Wall CHPRC L.D. Wall	DATE/TIME: NOV 08 2011 1130
RELINQUISHED BY/REMOVED FROM: L.D. Wall L.D. Wall	DATE/TIME: NOV 08 2011 1400	RECEIVED BY/STORED IN: FEDEX	DATE/TIME:
RELINQUISHED BY/REMOVED FROM: FEDEX	DATE/TIME:	RECEIVED BY/STORED IN: Brian Daniels B-L	DATE/TIME: 11/9/11 0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) ICP Metals - 6010 (Supertrace) {Barium, Cadmium, Chromium, Silver}; ICP Metals - 6010 (Supertrace Add-On) {Antimony, Beryllium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc};
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate};

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

NOVEMBER 25, 2011

TestAmerica St. Louis

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A-6003-618 (REV 2)

SL1207

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-002-024	PAGE 1 OF 1
COLLECTOR: Aguilar	COMPANY CONTACT: EVANS, RT	TELEPHONE NO.: 373-7924	PROJECT COORDINATOR: EVANS, RT	PRICE CODE: 7C	DATA TURNAROUND
SAMPLING LOCATION: KP-16 Influent Point 13084-001 FTB	PROJECT DESIGNATION: 100-KR-4 Pump and Treat Influent & Effluent Tanks - Water		SAF NO.: F11-002	AIR QUALITY ☐	15 Days / 15 Days
ICE CHEST NO.: GWS-006	FIELD LOGBOOK NO.: HNF-N-583-1 / 123	ACTUAL SAMPLE DEPTH: N/A	COA: 300083ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica St. Louis	OFFSITE PROPERTY NO.: SEE PTR		BILL OF LADING/AIR BILL NO.: ~~SEE PTR~~ 795385745722		

LW. 11/8/11

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2/Cool~4C	Cool~4C
HOLDING TIME	6 Months	48 Hours
TYPE OF CONTAINER	G/P	P
NO. OF CONTAINER(S)	1	1
VOLUME	500mL	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B2J4K3	WATER	11-8-11	0740	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: CM Aguilar CM Aguilar	DATE/TIME: 11-8-11 1130	RECEIVED BY/STORED IN: L.D. Wall CHPRC L.D. Wall	DATE/TIME: NOV 08 2011 1130
RELINQUISHED BY/REMOVED FROM: L.D. Wall CHPRC L.D. Wall	DATE/TIME: NOV 08 2011 1400	RECEIVED BY/STORED IN: FEDEX	DATE/TIME:
RELINQUISHED BY/REMOVED FROM: FEDEX	DATE/TIME:	RECEIVED BY/STORED IN: B-[illegible] Brian Daniels	DATE/TIME: 11/9/11 0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) ICP Metals - 6010 (Supertrace) {Barium, Cadmium, Chromium, Silver}; ICP Metals - 6010 (Supertrace Add-On) {Antimony, Beryllium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc};
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate};

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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A-6003-618 (REV 2)

NOVEMBER 25, 2011

TestAmerica St. Louis

SL1207

SDG# SL1207

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-002-014	PAGE 1 OF 1
COLLECTOR: Aguilar	COMPANY CONTACT: EVANS, RT	TELEPHONE NO.: 373-7924	PROJECT COORDINATOR: EVANS, RT	PRICE CODE: 7C	DATA TURNAROUND
SAMPLING LOCATION: KP-16 Influent Point 13084-001	PROJECT DESIGNATION: 100-KR-4 Pump and Treat Influent & Effluent Tanks - Water		SAF NO.: F11-002	AIR QUALITY ☐	15 Days / 15 Days
ICE CHEST NO.: GWS-006	FIELD LOGBOOK NO.: HNF-N-583-1 / 123	ACTUAL SAMPLE DEPTH: N/A	COA: 300083ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica St. Louis	OFFSITE PROPERTY NO.: SEE PTR		BILL OF LADING/AIR BILL NO.: ~~SEE PTR~~ 795385745722		

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2/Cool~4C	Cool~4C
HOLDING TIME	6 Months	48 Hours
TYPE OF CONTAINER	G/P	P
NO. OF CONTAINER(S)	1	1
VOLUME	500mL	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B2J4J3	WATER	11-8-11	0919	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Em Aguilar	11-8-11 1130	L.D. Wall CHPRC L.D. Wall	NOV 08 2011 1130
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L.D. Wall CHPRC L.D. Wall	NOV 08 2011 1400	FEDEX	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
FEDEX		Brian Davis	11/9/11 0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) ICP Metals - 6010 (Supertrace) {Barium, Cadmium, Chromium, Silver}; ICP Metals - 6010 (Supertrace Add-On) {Antimony, Beryllium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc};
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate};

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

NOVEMBER 25, 2011

TestAmerica St. Louis

PRINTED ON 11/3/2011

A-6003-618 (REV 2)

SL1207

SDG# SL1207

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-002-017	PAGE 1 OF 1
COLLECTOR: Aguilar	COMPANY CONTACT: EVANS, RT	TELEPHONE NO.: 373-7924	PROJECT COORDINATOR: EVANS, RT	PRICE CODE: 7C	DATA TURNAROUND
SAMPLING LOCATION: KP-16 Influent Point 13084-001 DUP	PROJECT DESIGNATION: 100-KR-4 Pump and Treat Influent & Effluent Tanks - Water		SAF NO.: F11-002	AIR QUALITY ☐	15 Days / 15 Days
ICE CHEST NO.: GWS-006	FIELD LOGBOOK NO.: HNF-N-583-1/123	ACTUAL SAMPLE DEPTH: N/A	COA: 300083ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica St. Louis	OFFSITE PROPERTY NO.: SEE PTR		BILL OF LADING/AIR BILL NO.: ~~SEE PTR~~ 795385745722		

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegetation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS: Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2/Cool~4C	Cool~4C
HOLDING TIME	6 Months	48 Hours
TYPE OF CONTAINER	G/P	P
NO. OF CONTAINER(S)	1	1
VOLUME	500mL	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B2J4J6	WATER	11-8-11	0919	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: Cm Aguilar	DATE/TIME: 11-8-11 1130	RECEIVED BY/STORED IN: L.D. Wall CHPRC	DATE/TIME: NOV 08 2011 1130
RELINQUISHED BY/REMOVED FROM: L.D. Wall CHPRC	DATE/TIME: NOV 08 2011 1400	RECEIVED BY/STORED IN: FEDEX	DATE/TIME:
RELINQUISHED BY/REMOVED FROM: FEDEX	DATE/TIME:	RECEIVED BY/STORED IN: Brian Daniels	DATE/TIME: 11/9/11 0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) ICP Metals - 6010 (Supertrace) {Barium, Cadmium, Chromium, Silver}; ICP Metals - 6010 (Supertrace Add-On) {Antimony, Beryllium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc};
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate};

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

NOVEMBER 25, 2011

TestAmerica St. Louis

PRINTED ON 11/3/2011

A-6003-618 (REV 2)

SL1207

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-002-030	PAGE 1 OF 1
COLLECTOR: Aguilar	COMPANY CONTACT: EVANS, RT	TELEPHONE NO.: 373-7924	PROJECT COORDINATOR: EVANS, RT	PRICE CODE: 7C	DATA TURNAROUND
SAMPLING LOCATION: KI-25 Effluent Point 13085-001 DUP	PROJECT DESIGNATION: 100-KR-4 Pump and Treat Influent & Effluent Tanks - Water		SAF NO.: F11-002	AIR QUALITY ☐	15 Days / 15 Days
ICE CHEST NO.: GWS-006	FIELD LOGBOOK NO.: HNF-N-583-1/123	ACTUAL SAMPLE DEPTH: N/A	COA: 300083ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	ORIGINAL
SHIPPED TO: TestAmerica St. Louis	OFFSITE PROPERTY NO.: SEE PTR		BILL OF LADING/AIR BILL NO.: ~~SEE PTR~~ 795385745722		

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	HNO3 to pH <2/Cool~4C	Cool~4C
HOLDING TIME	6 Months	48 Hours
TYPE OF CONTAINER	G/P	P
NO. OF CONTAINER(S)	1	1
VOLUME	500mL	500mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B2J4K9	WATER	11-8-11	1008	✓	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: Aguilar	DATE/TIME: 11-8-11 1130	RECEIVED BY/STORED IN: L.D. Wall	DATE/TIME: NOV 08 2011 1130
RELINQUISHED BY/REMOVED FROM: L.D. Wall	DATE/TIME: NOV 08 2011 1400	RECEIVED BY/STORED IN: FEDEX	DATE/TIME:
RELINQUISHED BY/REMOVED FROM: FEDEX	DATE/TIME:	RECEIVED BY/STORED IN: Brian Daniels	DATE/TIME: 11/9/11 0920
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:
RELINQUISHED BY/REMOVED FROM	DATE/TIME:	RECEIVED BY/STORED IN	DATE/TIME:

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) ICP Metals - 6010 (Supertrace) {Barium, Cadmium, Chromium, Silver}; ICP Metals - 6010 (Supertrace Add-On) {Antimony, Beryllium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc};
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate};

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

PRINTED ON 11/3/2011

A-6003-618 (REV 2)

NOVEMBER 25, 2011

TestAmerica St. Louis

Print page | Close

FedEx

Detailed Results

Tracking no.: 795385745722 Select time format: 12H

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates	Destination
Ship date Nov 8, 2011	EARTH CITY, MO
Delivery date Nov 9, 2011 9:13 AM	Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

Service type	Priority Overnight	Delivered to	Shipping/Receiving
Weight	71.0 lbs/32.2 kg	Reference	GWS-006

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Nov 9, 2011 9:13 AM	Delivered	EARTH CITY, MO	
Nov 9, 2011 7:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Nov 9, 2011 7:33 AM	At local FedEx facility	EARTH CITY, MO	
Nov 9, 2011 6:18 AM	At destination sort facility	BERKELEY, MO	
Nov 9, 2011 5:26 AM	Departed FedEx location	MEMPHIS, TN	
Nov 9, 2011 1:01 AM	Arrived at FedEx location	MEMPHIS, TN	
Nov 8, 2011 5:16 PM	Left FedEx origin facility	PASCO, WA	
Nov 8, 2011 4:00 PM	Picked up	PASCO, WA	
Nov 8, 2011 10:01 PM	Shipment information sent to FedEx		

NOVEMBER 25, 2011

TestAmerica St. Louis

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CUR Form #: 4 0 7

Lot #(s): F11K090429, 451
439, 456
441, 457
442
444

CONDITION UPON RECEIPT FORM

Client: CHRE

Quote No: 88891, 89217, 89750

COC/RFA No: see below

Initiated By: BD Date: 11/9/11 Time: 0920

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*		Sample Temperature (s):**	
1. 7953 8574 5722	6.	1. 2	6.
2. ↓ 8560 5314	7.	2. 2	7.
3. 7911 1602 2082	8.	3. 2	8.
4. ↓ 1594 9141	9.	4. 2	9.
5. 7953 8573 1737	10.	5. 2	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid; Rad tests- Liquid or Solids; Perchlorate

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Are there custody seals present on the cooler?	8.	Y N	Are there custody seals present on bottles?
2.	Y N N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N N/A	Do custody seals on bottles appear to be tampered with?
3.	Y N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	Y N	Sample received with Chain of Custody?	11.	Y N N/A	Containers for C-14, H-3 & I-129/131 marked with "Do Not Preserve" label?
5.	Y N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N	Sample received in proper containers?
6.	Y N	Was sample received broken?	13.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	Y N	Is sample volume sufficient for analysis?	14.	Y N N/A	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX, Oil & Grease and soils.

Notes: COCs F11-004-139, W11-007-133, ~~W12-010-133~~ 8/9/11 A11-067-010
S12-010-524, 517, 516 W12-010-185, 072, 064, 143, 063, 115, F11-002-027, 024, 014 07
F11-002-017, 030, F11-004-140, F11-005-052 BD 11/9/11

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: BJS Date: 11-10-11

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004 rev13, REVISED 05/27/11 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin-0004 CUR.doc

METALS

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K6

TOTAL Metals

Lot-Sample #...: F1K090451-001 Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1318054						
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AA
		Dilution Factor: 1		MDL.....: 6.0		
Barium	30.2 B	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AE
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AF
		Dilution Factor: 1		MDL.....: 0.61		
Calcium	44000	5000	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AC
		Dilution Factor: 5		MDL.....: 530		
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AD
		Dilution Factor: 1		MDL.....: 0.91		
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AG
		Dilution Factor: 1		MDL.....: 4.0		
Chromium	6.5 B	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AH
		Dilution Factor: 1		MDL.....: 3.1		
Copper	7.1 B	25.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AJ
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AK
		Dilution Factor: 1		MDL.....: 28.2		
Potassium	3920 B	5000	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AL
		Dilution Factor: 1		MDL.....: 1650		
Magnesium	9860	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AM
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AN
		Dilution Factor: 1		MDL.....: 3.3		
Sodium	7670	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AP
		Dilution Factor: 1		MDL.....: 324		
Nickel	ND	200	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AQ
		Dilution Factor: 5		MDL.....: 66.5		

(Continued on next page)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K6

TOTAL Metals

Lot-Sample #...: F1K090451-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AR
		Dilution Factor: 1		MDL.....: 4.0		
Vanadium	7.9 B	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AT
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	10.2 B	20.0	ug/L	SW846 6010B	11/15-11/21/11	MNVN11AU
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K3

TOTAL Metals

Lot-Sample #...: F1K090451-002 **Matrix.....:** WATER
Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1318054						
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AD
		Dilution Factor: 1		MDL.....: 6.0		
Barium	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AG
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AH
		Dilution Factor: 1		MDL.....: 0.61		
Calcium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AE
		Dilution Factor: 1		MDL.....: 106		
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AF
		Dilution Factor: 1		MDL.....: 0.91		
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AJ
		Dilution Factor: 1		MDL.....: 4.0		
Chromium	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AK
		Dilution Factor: 1		MDL.....: 3.1		
Copper	ND	25.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AL
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AM
		Dilution Factor: 1		MDL.....: 28.2		
Potassium	ND	5000	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AN
		Dilution Factor: 1		MDL.....: 1650		
Magnesium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AP
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AQ
		Dilution Factor: 1		MDL.....: 3.3		
Sodium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AR
		Dilution Factor: 1		MDL.....: 324		
Nickel	ND	40.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AT
		Dilution Factor: 1		MDL.....: 13.3		

(Continued on next page)

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K3

TOTAL Metals

Lot-Sample #...: F1K090451-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AU
		Dilution Factor: 1		MDL.....: 4.0		
Vanadium	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	11/15-11/21/11	MNVP91AW
		Dilution Factor: 1		MDL.....: 7.0		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J3

TOTAL Metals

Lot-Sample #...: F1K090451-003 Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1318054						
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AD
		Dilution Factor: 1		MDL.....: 6.0		
Barium	29.5 B	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AG
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AH
		Dilution Factor: 1		MDL.....: 0.61		
Calcium	42300	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AE
		Dilution Factor: 1		MDL.....: 106		
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AF
		Dilution Factor: 1		MDL.....: 0.91		
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Chromium	18.8	10.0	ug/L	SW846 6010B	11/15-11/22/11	MNVQA1AK
		Dilution Factor: 1		MDL.....: 3.1		
Copper	ND	25.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AL
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AM
		Dilution Factor: 1		MDL.....: 28.2		
Potassium	3890 B	5000	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AN
		Dilution Factor: 1		MDL.....: 1650		
Magnesium	9720	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AP
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AQ
		Dilution Factor: 1		MDL.....: 3.3		
Sodium	7620	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AR
		Dilution Factor: 1		MDL.....: 324		
Nickel	ND	200	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AT
		Dilution Factor: 5		MDL.....: 66.5		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J3

TOTAL Metals

Lot-Sample #...: F1K090451-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AU
		Dilution Factor: 1		MDL.....: 4.0		
Vanadium	**9.3 B**	**50.0**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQA1AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQA1AW
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J6

TOTAL Metals

Lot-Sample #...: F1K090451-004 Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1318054						
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AD
		Dilution Factor: 1		MDL.....: 6.0		
Barium	30.5 B	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AG
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AH
		Dilution Factor: 1		MDL.....: 0.61		
Calcium	45200	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AE
		Dilution Factor: 1		MDL.....: 106		
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AF
		Dilution Factor: 1		MDL.....: 0.91		
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Chromium	18.3	10.0	ug/L	SW846 6010B	11/15-11/22/11	MNVQC1AK
		Dilution Factor: 1		MDL.....: 3.1		
Copper	ND	25.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AL
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AM
		Dilution Factor: 1		MDL.....: 28.2		
Potassium	4020 B	5000	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AN
		Dilution Factor: 1		MDL.....: 1650		
Magnesium	10100	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AP
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AQ
		Dilution Factor: 1		MDL.....: 3.3		
Sodium	7890	1000	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AR
		Dilution Factor: 1		MDL.....: 324		
Nickel	ND	200	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AT
		Dilution Factor: 5		MDL.....: 66.5		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J6

TOTAL Metals

Lot-Sample #...: F1K090451-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AU
		Dilution Factor: 1		MDL.....: 4.0		
Vanadium	**9.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQC1AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQC1AW
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K9

TOTAL Metals

Lot-Sample #...: F1K090451-005 **Matrix.....:** WATER
Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1318054						
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AD
		Dilution Factor: 1		MDL.....: 6.0		
Barium	**30.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AG**
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AH
		Dilution Factor: 1		MDL.....: 0.61		
Calcium	**43000**	**1000**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AE**
		Dilution Factor: 1		MDL.....: 106		
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AF
		Dilution Factor: 1		MDL.....: 0.91		
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AJ
		Dilution Factor: 1		MDL.....: 4.0		
Chromium	**7.1 B**	**10.0**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AK**
		Dilution Factor: 1		MDL.....: 3.1		
Copper	ND	25.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AL
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AM
		Dilution Factor: 1		MDL.....: 28.2		
Potassium	**4010 B**	**5000**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AN**
		Dilution Factor: 1		MDL.....: 1650		
Magnesium	**9930**	**1000**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AP**
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AQ
		Dilution Factor: 1		MDL.....: 3.3		
Sodium	**7820**	**1000**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AR**
		Dilution Factor: 1		MDL.....: 324		
Nickel	ND	200	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AT
		Dilution Factor: 5		MDL.....: 66.5		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K9

TOTAL Metals

Lot-Sample #...: F1K090451-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AU
		Dilution Factor: 1		MDL.....: 4.0		
Vanadium	**8.3 B**	**50.0**	**ug/L**	**SW846 6010B**	**11/15-11/21/11**	**MNVQD1AV**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	11/15-11/21/11	MNVQD1AW
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F1K090451 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F1K140000-054 **Prep Batch #...:** 1318054						
Antimony	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AR
		Dilution Factor: 1				
Barium	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AE
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AF
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AD
		Dilution Factor: 1				
Calcium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AC
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AH
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AG
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AK
		Dilution Factor: 1				
Magnesium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AM
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AN
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AQ
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AL
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AA
		Dilution Factor: 1				
Sodium	ND	1000	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AP
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F1K090451 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	50.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AT
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	11/15-11/21/11	MN0V61AU
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: F1K090451 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F1K140000-054 Prep Batch #...: 1318054							
Silver	100	106	ug/L	106	SW846 6010B	11/15-11/21/11	MN0V61AV
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	11/15-11/21/11	MN0V61AW
			Dilution Factor: 1				
Cadmium	1000	1020	ug/L	102	SW846 6010B	11/15-11/21/11	MN0V61AX
			Dilution Factor: 1				
Barium	1000	1010	ug/L	101	SW846 6010B	11/15-11/21/11	MN0V61A0
			Dilution Factor: 1				
Beryllium	1000	1020	ug/L	102	SW846 6010B	11/15-11/21/11	MN0V61A1
			Dilution Factor: 1				
Cobalt	1000	1070	ug/L	107	SW846 6010B	11/15-11/21/11	MN0V61A2
			Dilution Factor: 1				
Chromium	1000	1050	ug/L	105	SW846 6010B	11/15-11/21/11	MN0V61A3
			Dilution Factor: 1				
Copper	1000	1050	ug/L	105	SW846 6010B	11/15-11/21/11	MN0V61A4
			Dilution Factor: 1				
Iron	10000	10300	ug/L	103	SW846 6010B	11/15-11/21/11	MN0V61A5
			Dilution Factor: 1				
Potassium	50000	48100	ug/L	96	SW846 6010B	11/15-11/21/11	MN0V61A6
			Dilution Factor: 1				
Magnesium	10000	10000	ug/L	100	SW846 6010B	11/15-11/21/11	MN0V61A7
			Dilution Factor: 1				
Manganese	1000	1020	ug/L	102	SW846 6010B	11/15-11/21/11	MN0V61A8
			Dilution Factor: 1				
Sodium	10000	9710	ug/L	97	SW846 6010B	11/15-11/21/11	MN0V61A9
			Dilution Factor: 1				
Nickel	1000	1070	ug/L	107	SW846 6010B	11/15-11/21/11	MN0V61CA
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: F1K090451 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	500	488	ug/L	98	SW846 6010B	11/15-11/21/11	MN0V61CC
			Dilution Factor: 1				
Vanadium	1000	990	ug/L	99	SW846 6010B	11/15-11/21/11	MN0V61CD
			Dilution Factor: 1				
Zinc	1000	1030	ug/L	103	SW846 6010B	11/15-11/21/11	MN0V61CE
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: F1K090451 **Matrix.....:** WATER
Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F1K090451-001 **Prep Batch #...:** 1318054									
Antimony									
	ND	500	504	ug/L	101		SW846 6010B	11/15-11/21/11	MNVN11C0
	ND	500	541	ug/L	108	6.9	SW846 6010B	11/15-11/21/11	MNVN11C1
			Dilution Factor: 1						
Barium									
	30.2	1000	1080	ug/L	105		SW846 6010B	11/15-11/21/11	MNVN11A8
	30.2	1000	1070	ug/L	104	0.27	SW846 6010B	11/15-11/21/11	MNVN11A9
			Dilution Factor: 1						
Beryllium									
	ND	1000	1050	ug/L	105		SW846 6010B	11/15-11/21/11	MNVN11CA
	ND	1000	1050	ug/L	105	0.0	SW846 6010B	11/15-11/21/11	MNVN11CC
			Dilution Factor: 1						
Cadmium									
	ND	1000	1060	ug/L	106		SW846 6010B	11/15-11/21/11	MNVN11A6
	ND	1000	1120	ug/L	112	6.2	SW846 6010B	11/15-11/21/11	MNVN11A7
			Dilution Factor: 1						
Calcium									
	44000	10000	56900 N	ug/L	129		SW846 6010B	11/15-11/21/11	MNVN11A4
	44000	10000	58000 N	ug/L	140	1.9	SW846 6010B	11/15-11/21/11	MNVN11A5
			Dilution Factor: 5						
Chromium									
	6.5	1000	1080	ug/L	108		SW846 6010B	11/15-11/21/11	MNVN11CF
	6.5	1000	1110	ug/L	111	2.7	SW846 6010B	11/15-11/21/11	MNVN11CG
			Dilution Factor: 1						
Cobalt									
	ND	1000	1070	ug/L	107		SW846 6010B	11/15-11/21/11	MNVN11CD
	ND	1000	1150	ug/L	115	7.0	SW846 6010B	11/15-11/21/11	MNVN11CE
			Dilution Factor: 1						
Copper									
	7.1	1000	1080	ug/L	107		SW846 6010B	11/15-11/21/11	MNVN11CH
	7.1	1000	1150	ug/L	114	6.4	SW846 6010B	11/15-11/21/11	MNVN11CJ
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: F1K090451 **Matrix.....:** WATER
Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	10000	10600	ug/L	106		SW846 6010B	11/15-11/21/11	MNVN11CK
	ND	10000	10600	ug/L	106	0.0	SW846 6010B	11/15-11/21/11	MNVN11CL
			Dilution Factor: 1						
Magnesium									
	9860	10000	20200	ug/L	104		SW846 6010B	11/15-11/21/11	MNVN11CP
	9860	10000	20500	ug/L	106	1.3	SW846 6010B	11/15-11/21/11	MNVN11CQ
			Dilution Factor: 1						
Manganese									
	ND	1000	1050	ug/L	105		SW846 6010B	11/15-11/21/11	MNVN11CR
	ND	1000	1050	ug/L	105	0.09	SW846 6010B	11/15-11/21/11	MNVN11CT
			Dilution Factor: 1						
Nickel									
	ND	1000	1140	ug/L	114		SW846 6010B	11/15-11/21/11	MNVN11CW
	ND	1000	1150	ug/L	115	1.0	SW846 6010B	11/15-11/21/11	MNVN11CX
			Dilution Factor: 5						
Potassium									
	3920	50000	54800	ug/L	102		SW846 6010B	11/15-11/21/11	MNVN11CM
	3920	50000	54000	ug/L	100	1.4	SW846 6010B	11/15-11/21/11	MNVN11CN
			Dilution Factor: 1						
Silver									
	ND	100	107	ug/L	107		SW846 6010B	11/15-11/21/11	MNVN11A2
	ND	100	110	ug/L	110	2.5	SW846 6010B	11/15-11/21/11	MNVN11A3
			Dilution Factor: 1						
Sodium									
	7670	10000	17900	ug/L	102		SW846 6010B	11/15-11/21/11	MNVN11CU
	7670	10000	18000	ug/L	103	0.44	SW846 6010B	11/15-11/21/11	MNVN11CV
			Dilution Factor: 1						
Vanadium									
	7.9	1000	1030	ug/L	103		SW846 6010B	11/15-11/21/11	MNVN11C2
	7.9	1000	1030	ug/L	102	0.29	SW846 6010B	11/15-11/21/11	MNVN11C3
			Dilution Factor: 1						
Zinc									
	10.2	1000	1060	ug/L	105		SW846 6010B	11/15-11/21/11	MNVN11C4
	10.2	1000	1140	ug/L	113	6.7	SW846 6010B	11/15-11/21/11	MNVN11C5
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

WET CHEMISTRY

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K6

General Chemistry

Lot-Sample #...: F1K090451-001 Work Order #...: MNVN1 Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.8	4.0	mg/L	MCAWW 300.0A	11/09/11	1313219
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	0.12	0.10	mg/L	MCAWW 300.0A	11/09/11	1313220
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	3.4	0.40	mg/L	MCAWW 300.0A	11/09/11	1313218
		Dilution Factor: 20		MDL.....: 0.080		
Nitrogen, Nitrite	ND	0.020	mg/L	MCAWW 300.0A	11/09/11	1313222
		Dilution Factor: 1		MDL.....: 0.0030		
Sulfate	36.1	10.0	mg/L	MCAWW 300.0A	11/09/11	1313221
		Dilution Factor: 20		MDL.....: 1.0		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K3

General Chemistry

Lot-Sample #...: F1K090451-002 Work Order #...: MNVP9 Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**0.029 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**11/09/11**	**1313219**
		Dilution Factor: 1		MDL.....: 0.020		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	11/09/11	1313220
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	ND	0.020	mg/L	MCAWW 300.0A	11/09/11	1313218
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrogen, Nitrite	ND	0.020	mg/L	MCAWW 300.0A	11/09/11	1313222
		Dilution Factor: 1		MDL.....: 0.0030		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	11/09/11	1313221
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J3

General Chemistry

Lot-Sample #...: F1K090451-003 Work Order #...: MNVQA Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	13.4	4.0	mg/L	MCAWW 300.0A	11/10/11	1313219
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	0.12	0.10	mg/L	MCAWW 300.0A	11/10/11	1313220
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	3.2	0.40	mg/L	MCAWW 300.0A	11/10/11	1313218
		Dilution Factor: 20		MDL.....: 0.080		
Nitrogen, Nitrite	ND	0.020	mg/L	MCAWW 300.0A	11/10/11	1313222
		Dilution Factor: 1		MDL.....: 0.0030		
Sulfate	36.3	10.0	mg/L	MCAWW 300.0A	11/10/11	1313221
		Dilution Factor: 20		MDL.....: 1.0		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4J6

General Chemistry

Lot-Sample #...: F1K090451-004 Work Order #...: MNVQC Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	14.7	4.0	mg/L	MCAWW 300.0A	11/10/11	1313219
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	0.12	0.10	mg/L	MCAWW 300.0A	11/10/11	1313220
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	3.0	0.40	mg/L	MCAWW 300.0A	11/10/11	1313218
		Dilution Factor: 20		MDL.....: 0.080		
Nitrogen, Nitrite	ND	0.020	mg/L	MCAWW 300.0A	11/10/11	1313222
		Dilution Factor: 1		MDL.....: 0.0030		
Sulfate	38.4	10.0	mg/L	MCAWW 300.0A	11/10/11	1313221
		Dilution Factor: 20		MDL.....: 1.0		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2J4K9

General Chemistry

Lot-Sample #...: F1K090451-005 Work Order #...: MNVQD Matrix.....: WATER
Date Sampled...: 11/08/11 Date Received..: 11/09/11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	12.6	4.0	mg/L	MCAWW 300.0A	11/10/11	1313219
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	0.14	0.10	mg/L	MCAWW 300.0A	11/10/11	1313220
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	3.3	0.40	mg/L	MCAWW 300.0A	11/10/11	1313218
		Dilution Factor: 20		MDL.....: 0.080		
Nitrogen, Nitrite	ND	0.020	mg/L	MCAWW 300.0A	11/10/11	1313222
		Dilution Factor: 1		MDL.....: 0.0030		
Sulfate	38.2	10.0	mg/L	MCAWW 300.0A	11/10/11	1313221
		Dilution Factor: 20		MDL.....: 1.0		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F1K090451 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: MN4C31AA		MB Lot-Sample #:	F1K090000-219	
	ND	0.20	mg/L	MCAWW 300.0A	11/09/11	1313219
		Dilution Factor: 1				
Fluoride		Work Order #: MN4C51AA		MB Lot-Sample #:	F1K090000-220	
	ND	0.10	mg/L	MCAWW 300.0A	11/09/11	1313220
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: MN4C11AA		MB Lot-Sample #:	F1K090000-218	
	ND	0.020	mg/L	MCAWW 300.0A	11/09/11	1313218
		Dilution Factor: 1				
Nitrogen, Nitrite		Work Order #: MN4C81AA		MB Lot-Sample #:	F1K090000-222	
	ND	0.020	mg/L	MCAWW 300.0A	11/09/11	1313222
		Dilution Factor: 1				
Sulfate		Work Order #: MN4C71AA		MB Lot-Sample #:	F1K090000-221	
	ND	0.50	mg/L	MCAWW 300.0A	11/09/11	1313221
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F1K090451 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #: MN4C31AC		LCS Lot-Sample#:	F1K090000-219	
	2.00	1.94	mg/L	97	MCAWW 300.0A	11/09/11	1313219
			Dilution Factor: 1				
Fluoride			Work Order #: MN4C51AC		LCS Lot-Sample#:	F1K090000-220	
	1.00	0.983	mg/L	98	MCAWW 300.0A	11/09/11	1313220
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: MN4C11AC		LCS Lot-Sample#:	F1K090000-218	
	0.400	0.403	mg/L	101	MCAWW 300.0A	11/09/11	1313218
			Dilution Factor: 1				
Nitrogen, Nitrite			Work Order #: MN4C81AC		LCS Lot-Sample#:	F1K090000-222	
	0.160	0.164	mg/L	102	MCAWW 300.0A	11/09/11	1313222
			Dilution Factor: 1				
Sulfate			Work Order #: MN4C71AC		LCS Lot-Sample#:	F1K090000-221	
	8.00	7.94	mg/L	99	MCAWW 300.0A	11/09/11	1313221
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: F1K090451 **Matrix.....:** WATER
Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		MNVL11AK	MS Lot-Sample #: F1K090444-015		
	18.8	40.0	60.1	mg/L	103	MCAWW 300.0A	11/10/11	1313219
			Dilution Factor: 20					
Fluoride			Work Order #...:		MNVL11AL	MS Lot-Sample #: F1K090444-015		
	0.28	2.00	2.33	mg/L	103	MCAWW 300.0A	11/10/11	1313220
			Dilution Factor: 1					
Nitrogen, Nitrate			Work Order #...:		MNVL11AP	MS Lot-Sample #: F1K090444-015		
	3.4	8.00	12.0 D	mg/L	107	MCAWW 300.0A	11/10/11	1313218
			Dilution Factor: 20					
Nitrogen, Nitrite			Work Order #...:		MNVL11AN	MS Lot-Sample #: F1K090444-015		
	ND	0.100	0.103	mg/L	103	MCAWW 300.0A	11/10/11	1313222
			Dilution Factor: 1					
Sulfate			Work Order #...:		MNVL11AM	MS Lot-Sample #: F1K090444-015		
	101	80.0	189	mg/L	110	MCAWW 300.0A	11/10/11	1313221
			Dilution Factor: 20					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F1K090451 **Work Order #...:** MNVL1-SMP MNVL1-DUP **Matrix.....:** WATER

Date Sampled...: 11/08/11 **Date Received..:** 11/09/11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F1K090444-015	
	18.8	19.5	mg/L	3.4	(0-20)	MCAWW 300.0A	11/10/11	1313219
			Dilution Factor: 20					
Fluoride						SD Lot-Sample #:	F1K090444-015	
	0.28	0.26	mg/L	7.3	(0-20)	MCAWW 300.0A	11/10/11	1313220
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F1K090444-015	
	3.4	3.6 D	mg/L	5.5	(0-20)	MCAWW 300.0A	11/10/11	1313218
			Dilution Factor: 20					
Nitrogen, Nitrite						SD Lot-Sample #:	F1K090444-015	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	11/10/11	1313222
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F1K090444-015	
	101	102	mg/L	1.1	(0-20)	MCAWW 300.0A	11/10/11	1313221
			Dilution Factor: 20					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.