TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

X12-020

Lot #: F2B150448
SDG #: SL1255

Scot Fitzgerald

CH2M Hill Plateau Remediation
PO Box 1500, MS B6-06
Richland, WA 99352

TESTAMERICA LABORATORIES, INC.

Jayna Awalt
Project Manager

March 14, 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CH2MHill Plateau Remediation Company
P.O. Box 1600
MS B3-60
Richland, Washington 99352
March 14, 2012
Attention: Scot Fitzgerald

TestAmerica Laboratories, Inc.

SDG	: SL1255
Number of Samples	: 13 samples
Sample Matrix	: Water
Data Deliverable	: Summary
Date SDG Closed	: February 15, 2012

II. Introduction

On February 15, 2012, 13 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: X12-020

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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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.

Volatiles

Batch: 2047135

Acetone was detected in the method blank above the method detection limit but below the reporting limit. This analyte was not detected in the associated samples.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

The MSD recoveries for Chloroform and Carbon tetrachloride are outside the established QC limits. The RPD is within method acceptance criteria indicating possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries. These analytes have been qualified accordingly with a "T" flag in the associated samples.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

The MS/MSD RPD values for 2-Butanone and 1-Butanol are not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

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ICP Total Metals

Batch: 2058040

The samples were analyzed at a dilution due to high concentrations of target and interfering analytes. The reporting limit has been adjusted for the dilution. These analytes have been qualified accordingly with a "D" flag in the associated samples.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

Ion Chromatography

Batches: 2046134 – 2046138

The samples were analyzed at a dilution for Chloride, Nitrate, and Nitrite due to high concentrations of target analytes. These analytes are qualified with a "D" flag in the associated samples.
Affected Samples:
F2B150448 (1): B2KC62
F2B150448 (2): B2KC61
F2B150448 (3): B2KC60
F2B150448 (4): B2KC59
F2B150448 (5): B2KC58
F2B150448 (6): B2KC57
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

The associated samples were analyzed undiluted within 48 hour hold for Nitrite and Nitrate. However, due to high concentrations of these target analytes, the samples required further dilution. Due to long run times, the reported dilutions for these samples injected a few hours out of 48 hour hold for Nitrite and Nitrate. Samples were analyzed within 2 times hold time. Per SDR12-191, results are reported for samples performed outside hold time for Nitrite and Nitrate.
Affected Samples:
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride is attributed to matrix interference. This analyte has been qualified accordingly with an "N" flag in the associated samples.
Affected Samples:
F2B150448 (1): B2KC62
F2B150448 (2): B2KC61

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F2B150448 (3): B2KC60
F2B150448 (4): B2KC59
F2B150448 (5): B2KC58
F2B150448 (6): B2KC57
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

Total Cyanide

Batch: 2058112

Cyanide was detected in the method blank above the method detection limit but below the reporting limit. Concentrations in the associated samples are 5 times the amount detected in the method blank making qualifiers unnecessary.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (8): B2KBJ1
F2B150448 (9): B2KBH9

TOX

Batch: 2059035

The associated samples for TOX exhibited bottom column results greater than 10% of the combined results of the top and bottom columns. However, the data is not believed to be adversely affected, as the samples did not exhibit any evidence of overloading the columns, nor was residual chlorine present. Thus, this excursion is attributed to small amounts of channeling and results may be reported, per method 9020B. Samples can not be re-prepared due to significant headspace in sample bottles.
Affected Samples:
F2B150448 (7): B2KBJ0
F2B150448 (9): B2KBH9
F2B150448 (10): B2KBJ3

There were no observations or nonconformances for the following methods:

Total Organic Carbon
Conductivity

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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:

Jayna Awalt

Jayna Awalt
St. Louis Project Manager

SAMPLE ISSUE RESOLUTION

SIR NUM	SDR12-191
REV NUM	0
DATE INITIATED	2/16/2012

SAMPLE EVENT INFORMATION

SAF NUM(S)	X12-020
OPERABLE UNIT(S)	NONE
PROJECT(S)	SURV12
SAMPLE EVENT TITLE(S)	SURV12
LABORATORY	TestAmerica St. Louis

SAMPLING INFORMATION

NUMBER OF SAMPLES	2
SAMPLE NUMBERS	B2KBH9, B2KBJ1
SAMPLE MATRIX	WATER
COLLECTION DATE	2/14/2012 - 2/14/2012
SDG NUM	SL1255

ISSUE BACKGROUND

CLASS	Laboratory Issue
TYPE	Analysis Holding Time Exceeded
DESCRIPTION	The listed samples were analyzed undiluted within the 48-hour hold time for nitrate and nitrite. However, due to long run times and dilutions, samples were analyzed outside 48-hour hold time but within 2 times hold time.

DISPOSITION

DESCRIPTION	Proposed Disposition: Report the nitrate and nitrite data obtained outside the 48-hour hold time and note hold-time failure in case narrative.
JUSTIFICATION	Accepted Disposition: Accept Proposed Disposition

Submitted by: Jayna Awalt / TASL Date: 2/16/2012
Accepted by: Steve Trent / CHPRC Date: 2/22/2012

METHODS SUMMARY

SL1255

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Specific Conductance	MCAWW 120.1	
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B

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

SL1255 : F2B150448

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MQVR0	001	B2KC62	02/14/12	10:00
MQVR1	002	B2KC61	02/14/12	10:00
MQVR2	003	B2KC60	02/14/12	10:00
MQVR3	004	B2KC59	02/14/12	10:00
MQVR4	005	B2KC58	02/14/12	10:00
MQVR5	006	B2KC57	02/14/12	10:00
MQVR6	007	B2KBJ0	02/14/12	10:00
MQVR8	008	B2KBJ1	02/14/12	10:00
MQVTA	009	B2KBH9	02/14/12	10:00
MQVTD	010	B2KBJ3	02/14/12	10:00
MQVTE	011	B2KBJ2	02/14/12	10:00
MQVTF	012	B2KBJ4	02/14/12	10:00
MQVTG	013	B2KBJ5	02/14/12	10:00

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.

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CH2MHill Plateau Remediation Company SL1255	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X12-020-117 Page 1 of 1

SDG#SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
CAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	GWS 815
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2835 5525
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC62	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC62	N	W	"	1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
KC Patterson CHPRC		FEB 14 2012 1400	FEDEX		FEB 14 2012
Relinquished By	FED EX	Date/Time	Received By	Swilson	2.15.12 0930
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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CH2MHill Plateau Remediation Company SL1255

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **X12-020-116**

SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	CWS 815
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC61	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC61	N	W		1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By Print: KC Patterson CHPRC Sign:	Date/Time: FEB 14 2012 1400	Received By Print: FEDEX Sign:	Date/Time: FEB 14 2012
Relinquished By: FED EX	Date/Time:	Received By: S Wilson	Date/Time: 2-15-12 0930
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Matrix *

S	= Soil	DS	=	Drum Solids
SE	= Sediment	DL	=	Drum Liquids
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

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CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X12-020-115
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SDG #SL1255

Collector	~~KC Patterson~~ CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC60	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC60	N	W	"	1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KC Patterson CHPRC			FEB 14 2012 1400	FEDEX			FEB 14 2012
Relinquished By			Date/Time	Received By			Date/Time
FED EX				SWilson			2-15-12 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	=	Drum Solids
SE	= Sediment	DL	=	Drum Liquids
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

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SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42 / 93	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC59	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC59	N	W	/	1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	KC Patterson CHPRC		FEB 14 2012 1400		FEDEX		FEB 14 2012
Relinquished By	FED EX		Date/Time	Received By	SWilson		2-15-12 0938
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7732 2835 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC58	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC58	N	W	/	1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
KC Patterson CHPRC		FEB 14 2012 1400	FEDEX		FEB 14 2012
Relinquished By		Date/Time	Received By		Date/Time
FED EX			SWilson		2.15.12 0930
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/97	**Ice Chest No.**	Gus 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KC57	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KC57	N	W	/	1000	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
KC Patterson CHPRC		FEB 14 2012 1400	FEDEX		FEB 14 2012
Relinquished By	FED EX	Date/Time	Received By	SWilson	Date/Time 2-15-12 0930
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	GW3 815
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5328
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KBJ0	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KBJ0	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ0	N	W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	28 Days	Cool~4C
B2KBJ0	N	W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >=12/Cool~4C
B2KBJ0	N	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C
B2KBJ0	N	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B2KBJ0	N	W		1000	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2/Cool~4C

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	KC Patterson CHPRC		FEB 14 2012 1400	Received By	FEDEX		FEB 14 2012
Relinquished By	FEDEX		Date/Time	Received By	SWilson		2.15.12 Date/Time 2.15.12 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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TestAmerica - St. Louis

CH2MHill Plateau Remediation Company SL1255	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X12-020-067 Page 1 of 1

SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42 93	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KBJ1	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KBJ1	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ1	N	W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	28 Days	Cool~4C
B2KBJ1	N	W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >=12/Cool~4C
B2KBJ1	N	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C
B2KBJ1	N	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B2KBJ1	N	W		1000	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2/Cool~4C

MARCH 14, 2012

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	KC Patterson CHPRC		FEB 14 2012 1400	FEDEX			FEB 14 2012
Relinquished By			Date/Time	Received By			Date/Time
FEDEX				SWilson			2-15-12 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

TestAmerica - St. Louis

CH2MHill Plateau Remediation Company SL1255	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X12-020-065 Page 1 of 1

SDG #SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42193	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7932 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KBH9	N	W	FEB 14 2012	1000	1x20-mL P	Activity Scan	6 Months	None
B2KBH9	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBH9	N	W			1x500-mL G/P	120.1_CONDUCT: Conductivity (1)	28 Days	Cool~4C
B2KBH9	N	W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	14 Days	NaOH to pH >=12/Cool~4C
B2KBH9	N	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C
B2KBH9	N	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	6 Months	HNO3 to pH <2
B2KBH9	N	W		1000	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	14 Days	HCl or H2SO4 to pH <2/Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KC Patterson CHPRC			FEB 14 2012 1400	FEDEX			FEB 14 2012
Relinquished By			Date/Time	Received By			Date/Time
FEDEX				SWilson			2-15-12 0930
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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TestAmerica - St. Louis

CH2MHill Plateau Remediation Company SL1255	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X12-020-068 Page 1 of 1

SDG#SL1255

Collector	KC Patterson CHPRC	**Contact/Requester**	WATERS-HUSTED, K	**Telephone No.**	376-4650
SAF No.	X12-020	**Sampling Origin**	Hanford Site	**Purchase Order/Charge Code**	300071ES20
Project Title	Special Sampling GW Sitewide, January	**Logbook No.**	HNF-N-506 42/93	**Ice Chest No.**	GWS 915
Shipped To (Lab)	TestAmerica St. Louis	**Method of Shipment**	Commercial Carrier	**Bill of Lading/Air Bill No.**	7732 2838 5528
Protocol	SURV	**Priority:**	**45 Days**	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)

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

Site Wide Generator Knowledge Information Form applies.
The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B2KBJ3	N	W	FEB 14 2012	1000	1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ3	N	W			1x250-mL aG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2KBJ2	N	W			1x20-mL P	Activity Scan	6 Months	None
B2KBJ2	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ2	N	W			1x250-mL aG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2KBJ4	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ4	N	W			1x250-mL aG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2KBJ5	N	W			1x1-L aGs*	9020_TOX: TOX (1)	28 Days	H2SO4 to pH <2/Cool~4C
B2KBJ5	N	W		1000	1x250-mL aG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
KC Patterson CHPRC		FEB 14 2012 1400	FEDEX		FEB 14 2012
Relinquished By	FED EX	Date/Time	Received By	SWilson	Date/Time 2-15-12 0930
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S	= Soil	DS	= Drum Solids		
SE	= Sediment	DL	= Drum Liquids		
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

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TestAmerica - St. Louis

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FedEx

Detailed Results

Tracking no.: 793228385528 Select time format: **12H**

Delivered

Delivered
Signed for by: B.DANIELS

Shipment Dates

Ship date Feb 14, 2012
Delivery date Feb 15, 2012 9:30 AM

Destination

EARTH CITY, MO
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	82.0 lbs/37.2 kg	Reference	GWS-915

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
Feb 15, 2012 9:30 AM	**Delivered**	EARTH CITY, MO	
Feb 15, 2012 6:59 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
Feb 15, 2012 6:55 AM	At local FedEx facility	EARTH CITY, MO	
Feb 15, 2012 5:33 AM	At destination sort facility	BERKELEY, MO	
Feb 15, 2012 4:45 AM	Departed FedEx location	MEMPHIS, TN	
Feb 15, 2012 1:00 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 14, 2012 5:09 PM	Left FedEx origin facility	PASCO, WA	
Feb 14, 2012 3:50 PM	Picked up	PASCO, WA	
Feb 14, 2012 2:18 PM	Shipment information sent to FedEx		

MARCH 14, 2012

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica - St. Louis

Lot #(s): 240150439, 440, 441, 442, 445, 448, 451

CUR Form #: 2 3 4

CONDITION UPON RECEIPT FORM

Client: CHPRC

Quote No: 90029

COC/RFA No: below

Initiated By: [signature] Date: 2-15-12 Time: 0930

Shipping Information

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

Shipping # (s):*

1. 7932 2838 5328
2. ↓ 2653 8271
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Sample Temperature (s):**

1. 2
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
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:

X12-020-065, 066, 068, 117, 116, 115, 111, 110, 109
I12-011-028
W12-002-190, 087
S12-001-388
I12-014-035, 034, 040
I12-018-024
X12-005-150, 147, 148, 149

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: Jayma Awalt Date: 2/16/12

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

GC/MS VOLATILES

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ0

GC/MS Volatiles

Lot-Sample #...: F2B150448-007 **Work Order #...:** MQVR61AX **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	80	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Vinyl chloride	ND	2.0	ug/L	0.084
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.27
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**20 T**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	**18 T**	**1.0**	**ug/L**	**0.12**
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**9.0**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(85 - 120)
Dibromofluoromethane	102	(85 - 118)
1,2-Dichloroethane-d4	104	(80 - 119)
4-Bromofluorobenzene	110	(84 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

CH2M Hill Plateau Remediation DOE RL

B2KBJ0

GC/MS Volatiles

Lot-Sample #: F2B150448-007 **Work Order #:** MQVR61AX **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ1

GC/MS Volatiles

Lot-Sample #...: F2B150448-008 **Work Order #...:** MQVR81A7 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	80	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Vinyl chloride	ND	2.0	ug/L	0.084
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.27
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**20 T**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	**17 T**	**1.0**	**ug/L**	**0.12**
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**8.6**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(85 - 120)
Dibromofluoromethane	104	(85 - 118)
1,2-Dichloroethane-d4	107	(80 - 119)
4-Bromofluorobenzene	112	(84 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

CH2M Hill Plateau Remediation DOE RL

B2KBJ1

GC/MS Volatiles

Lot-Sample #: F2B150448-008 **Work Order #:** MQVR81A7 **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBH9

GC/MS Volatiles

Lot-Sample #...: F2B150448-009 **Work Order #...:** MQVTA1AJ **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.083
1,4-Dioxane	ND	80	ug/L	7.6
Ethylbenzene	ND	1.0	ug/L	0.086
Vinyl chloride	ND	2.0	ug/L	0.084
Acetone	ND	2.0	ug/L	0.34
Methylene chloride	ND	1.0	ug/L	0.27
Carbon disulfide	ND	1.0	ug/L	0.051
1,1-Dichloroethane	ND	1.0	ug/L	0.068
2-Butanone	ND	5.0	ug/L	0.52
Chloroform	**19 T**	**1.0**	**ug/L**	**0.10**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.087
Propionitrile	ND	5.0	ug/L	1.4
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.083
1,1,1-Trichloroethane	ND	1.0	ug/L	0.069
Carbon tetrachloride	**17 T**	**1.0**	**ug/L**	**0.12**
1,2-Dichloroethane	ND	1.0	ug/L	0.10
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**8.6**	**1.0**	**ug/L**	**0.25**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.12
1,1,2-Trichloroethane	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.18
Tetrahydrofuran	ND	10	ug/L	1.1
Xylenes (total)	ND	3.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
1-Butanol	ND	40	ug/L	12
Toluene	ND	1.0	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(85 - 120)
Dibromofluoromethane	101	(85 - 118)
1,2-Dichloroethane-d4	102	(80 - 119)
4-Bromofluorobenzene	108	(84 - 115)

NOTE(S):

T Spike sample recovery is outside control limits.

CH2M Hill Plateau Remediation DOE RL

B2KBH9

GC/MS Volatiles

Lot-Sample #: F2B150448-009 **Work Order #:** MQVTA1AJ **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQW0N1AA **Matrix.....:** WATER
MB Lot-Sample #: F2B160000-135

Prep Date.....: 02/16/12
Analysis Date..: 02/16/12 **Prep Batch #...:** 2047135
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	**0.35 J**	**2.0**	**ug/L**	**SW846 8260B**
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	111	(85 - 120)
Dibromofluoromethane	98	(85 - 118)
1,2-Dichloroethane-d4	101	(80 - 119)
4-Bromofluorobenzene	113	(84 - 115)

NOTE(S):

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

J Estimated result. Result is less than RL.

CH2M Hill Plateau Remediation DOE RL

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F2B160000-135 B **Work Order #:** MQW0N1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQW0N1AC **Matrix.....:** WATER
LCS Lot-Sample#: F2B160000-135
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	10.0	9.24	ug/L	92	SW846 8260B
Ethylbenzene	10.0	9.97	ug/L	100	SW846 8260B
1,4-Dioxane	200	168	ug/L	84	SW846 8260B
Vinyl chloride	10.0	11.5	ug/L	115	SW846 8260B
Acetone	10.0	7.40	ug/L	74	SW846 8260B
Methylene chloride	10.0	9.52	ug/L	95	SW846 8260B
Carbon disulfide	10.0	9.68	ug/L	97	SW846 8260B
1,1-Dichloroethane	10.0	9.92	ug/L	99	SW846 8260B
2-Butanone	10.0	8.33	ug/L	83	SW846 8260B
Chloroform	10.0	9.93	ug/L	99	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.8	ug/L	108	SW846 8260B
Propionitrile	50.0	42.6	ug/L	85	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.2	ug/L	102	SW846 8260B
1,1,1-Trichloroethane	10.0	9.98	ug/L	100	SW846 8260B
Carbon tetrachloride	10.0	10.1	ug/L	101	SW846 8260B
1,2-Dichloroethane	10.0	9.31	ug/L	93	SW846 8260B
Benzene	10.0	10.0	ug/L	100	SW846 8260B
Trichloroethene	10.0	10.2	ug/L	102	SW846 8260B
4-Methyl-2-pentanone	10.0	9.03	ug/L	90	SW846 8260B
1,1,2-Trichloroethane	10.0	9.01	ug/L	90	SW846 8260B
Tetrachloroethene	10.0	9.51	ug/L	95	SW846 8260B
Tetrahydrofuran	50.0	42.1	ug/L	84	SW846 8260B
1,4-Dichlorobenzene	10.0	10.2	ug/L	102	SW846 8260B
1-Butanol	100	82.3	ug/L	82	SW846 8260B
Toluene	10.0	10.5	ug/L	105	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(88 - 120)
Dibromofluoromethane	98	(87 - 115)
1,2-Dichloroethane-d4	97	(81 - 117)
4-Bromofluorobenzene	105	(84 - 117)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQW0N1AC **Matrix.....:** WATER
LCS Lot-Sample#: F2B160000-135

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQVR61DP-MS **Matrix.....:** WATER
MS Lot-Sample #: F2B150448-007 MQVR61DQ-MSD
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.35	ug/L	94		SW846 8260B
	ND	10.0	9.46	ug/L	95	1.2	SW846 8260B
Ethylbenzene	ND	10.0	9.90	ug/L	99		SW846 8260B
	ND	10.0	9.96	ug/L	100	0.53	SW846 8260B
1,4-Dioxane	ND	200	170	ug/L	85		SW846 8260B
	ND	200	201	ug/L	100	17	SW846 8260B
Vinyl chloride	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.4	ug/L	114	6.1	SW846 8260B
Acetone	ND	10.0	7.97	ug/L	80		SW846 8260B
	ND	10.0	8.93	ug/L	89	11	SW846 8260B
Methylene chloride	ND	10.0	9.47	ug/L	95		SW846 8260B
	ND	10.0	9.65	ug/L	97	1.9	SW846 8260B
Carbon disulfide	ND	10.0	9.35	ug/L	93		SW846 8260B
	ND	10.0	9.36	ug/L	94	0.09	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.75	ug/L	97		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.5	SW846 8260B
2-Butanone	ND	10.0	8.45	ug/L	84		SW846 8260B
	ND	10.0	10.4	ug/L	104	21	SW846 8260B
Chloroform	20	10.0	27.9	ug/L	82		SW846 8260B
	20	10.0	27.8	ug/L	81 T	0.35	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	11.0	ug/L	110	3.8	SW846 8260B
Propionitrile	ND	50.0	46.5	ug/L	93		SW846 8260B
	ND	50.0	48.2	ug/L	96	3.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.96	ug/L	100		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.0	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.64	ug/L	96		SW846 8260B
	ND	10.0	9.73	ug/L	97	0.91	SW846 8260B
Carbon tetrachloride	18	10.0	25.6	ug/L	76		SW846 8260B
	18	10.0	24.9	ug/L	69 T	2.7	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.66	ug/L	97		SW846 8260B
	ND	10.0	10.0	ug/L	100	3.8	SW846 8260B
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.19	SW846 8260B
Trichloroethene	9.0	10.0	18.1	ug/L	91		SW846 8260B
	9.0	10.0	18.7	ug/L	97	3.3	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.95	ug/L	100		SW846 8260B
	ND	10.0	11.5	ug/L	115	15	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.97	ug/L	90		SW846 8260B
	ND	10.0	9.83	ug/L	98	9.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQVR61DP-MS **Matrix.....:** WATER
MS Lot-Sample #: F2B150448-007 MQVR61DQ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**9.53**	**ug/L**	**95**		**SW846 8260B**
	ND	**10.0**	**9.16**	**ug/L**	**92**	**3.9**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**46.7**	**ug/L**	**93**		**SW846 8260B**
	ND	**50.0**	**54.8**	**ug/L**	**110**	**16**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**9.77**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.96**	**ug/L**	**100**	**1.9**	**SW846 8260B**
1-Butanol	**ND**	**100**	**72.2**	**ug/L**	**72**		**SW846 8260B**
	ND	**100**	**130**	**ug/L**	130	**57**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**1.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(85 - 120)
	102	(85 - 120)
Dibromofluoromethane	104	(85 - 118)
	103	(85 - 118)
1,2-Dichloroethane-d4	99	(80 - 119)
	103	(80 - 119)
4-Bromofluorobenzene	108	(84 - 115)
	104	(84 - 115)

NOTE(S):

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

Bold print denotes control parameters

T Spike sample recovery is outside control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQVT41AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F2B150451-001 MQVT41AF-MSD
Date Sampled...: 02/13/12 **Date Received..:** 02/15/12
Prep Date.....: 02/16/12 **Analysis Date..:** 02/16/12
Prep Batch #...: 2047135
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.90	ug/L	99		SW846 8260B
	ND	10.0	9.20	ug/L	92	7.2	SW846 8260B
Ethylbenzene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.88	ug/L	99	2.8	SW846 8260B
1,4-Dioxane	ND	200	155	ug/L	77		SW846 8260B
	ND	200	177	ug/L	89	13	SW846 8260B
Vinyl chloride	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	10.8	ug/L	108	4.4	SW846 8260B
Acetone	0.48	10.0	7.36	ug/L	69		SW846 8260B
	0.48	10.0	8.10	ug/L	76	9.6	SW846 8260B
Methylene chloride	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	9.40	ug/L	94	0.40	SW846 8260B
Carbon disulfide	ND	10.0	9.75	ug/L	98		SW846 8260B
	ND	10.0	9.25	ug/L	93	5.3	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.67	ug/L	97	4.0	SW846 8260B
2-Butanone	ND	10.0	9.62	ug/L	96		SW846 8260B
	ND	10.0	10.3	ug/L	103	7.1	SW846 8260B
Chloroform	2.3	10.0	12.7	ug/L	104		SW846 8260B
	2.3	10.0	12.3	ug/L	100	3.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.8	SW846 8260B
Propionitrile	ND	50.0	45.5	ug/L	91		SW846 8260B
	ND	50.0	47.8	ug/L	96	5.1	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.0	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	9.60	ug/L	96	10	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.36	ug/L	94		SW846 8260B
	ND	10.0	9.69	ug/L	97	3.5	SW846 8260B
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.92	ug/L	99	2.0	SW846 8260B
Trichloroethene	0.95	10.0	11.3	ug/L	103		SW846 8260B
	0.95	10.0	10.5	ug/L	96	7.0	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	10.9	ug/L	109	15	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.67	ug/L	87		SW846 8260B
	ND	10.0	9.57	ug/L	96	9.8	SW846 8260B
Tetrachloroethene	ND	10.0	9.85	ug/L	98		SW846 8260B
	ND	10.0	8.99	ug/L	90	9.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL1255 **Work Order #...:** MQVT41AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F2B150451-001 MQVT41AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrahydrofuran	**ND**	**50.0**	**45.1**	**ug/L**	**90**		**SW846 8260B**
	ND	**50.0**	**52.8**	**ug/L**	**106**	**16**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**9.81**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.80**	**ug/L**	**98**	**0.07**	**SW846 8260B**
1-Butanol	**ND**	**100**	**92.2**	**ug/L**	**92**		**SW846 8260B**
	ND	**100**	**101**	**ug/L**	**101**	**8.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**4.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(85 - 120)
	102	(85 - 120)
Dibromofluoromethane	96	(85 - 118)
	102	(85 - 118)
1,2-Dichloroethane-d4	95	(80 - 119)
	98	(80 - 119)
4-Bromofluorobenzene	103	(84 - 115)
	106	(84 - 115)

NOTE(S):

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

Bold print denotes control parameters

METALS

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ0

TOTAL Metals

Lot-Sample #...: F2B150448-007 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2058040						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AC
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**8.8 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR61AD**
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AE
		Dilution Factor: 1		MDL.....: 0.61		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AF
		Dilution Factor: 1		MDL.....: 0.91		
Calcium	**26900**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR61AG**
		Dilution Factor: 1		MDL.....: 106		
Chromium	**79.0**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR61AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AJ
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AK
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AL
		Dilution Factor: 1		MDL.....: 28.2		
Magnesium	**10600**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR61AM**
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AN
		Dilution Factor: 1		MDL.....: 3.3		
Nickel	ND D	400	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AP
		Dilution Factor: 10		MDL.....: 133		
Potassium	**3410 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR61AQ**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AR
		Dilution Factor: 1		MDL.....: 6.0		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ0

TOTAL Metals

Lot-Sample #...: F2B150448-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12200	5000	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AT
		Dilution Factor: 1		MDL.....: 324		
Strontium	110	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AU
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	19.3 B	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AV
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR61AW
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ1

TOTAL Metals

Lot-Sample #...: F2B150448-008 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2058040						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AL
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**8.4 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81AM**
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AN
		Dilution Factor: 1		MDL.....: 0.61		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AP
		Dilution Factor: 1		MDL.....: 0.91		
Calcium	**26800**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81AQ**
		Dilution Factor: 1		MDL.....: 106		
Chromium	**77.5**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81AR**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AT
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AU
		Dilution Factor: 1		MDL.....: 4.6		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AV
		Dilution Factor: 1		MDL.....: 28.2		
Magnesium	**10600**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81AW**
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81AX
		Dilution Factor: 1		MDL.....: 3.3		
Nickel	ND D	400	ug/L	SW846 6010B	02/27-03/06/12	MQVR81A0
		Dilution Factor: 10		MDL.....: 133		
Potassium	**3320 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81A1**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81A2
		Dilution Factor: 1		MDL.....: 6.0		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ1

TOTAL Metals

Lot-Sample #...: F2B150448-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**11900**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81A3**
		Dilution Factor: 1		MDL.....: 324		
Strontium	**108**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81A4**
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	**16.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVR81A5**
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/12	MQVR81A6
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBH9

TOTAL Metals

Lot-Sample #...: F2B150448-009 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2058040						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AV
		Dilution Factor: 1		MDL.....: 4.0		
Barium	**8.8 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1AW**
		Dilution Factor: 1		MDL.....: 4.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AX
		Dilution Factor: 1		MDL.....: 0.61		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1A0
		Dilution Factor: 1		MDL.....: 0.91		
Calcium	**27200**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1A1**
		Dilution Factor: 1		MDL.....: 106		
Chromium	**79.8**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1A2**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1A3
		Dilution Factor: 1		MDL.....: 4.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1A4
		Dilution Factor: 1		MDL.....: 4.6		
Iron	**57.1 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1A5**
		Dilution Factor: 1		MDL.....: 28.2		
Magnesium	**11000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1A6**
		Dilution Factor: 1		MDL.....: 132		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1A7
		Dilution Factor: 1		MDL.....: 3.3		
Nickel	ND D	400	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AA
		Dilution Factor: 10		MDL.....: 133		
Potassium	**3480 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/12**	**MQVTA1AC**
		Dilution Factor: 1		MDL.....: 1650		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AD
		Dilution Factor: 1		MDL.....: 6.0		

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CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBH9

TOTAL Metals

Lot-Sample #...: F2B150448-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12400	5000	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AE
		Dilution Factor: 1		MDL.....: 324		
Strontium	113	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AF
		Dilution Factor: 1		MDL.....: 0.54		
Vanadium	18.5 B	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AG
		Dilution Factor: 1		MDL.....: 4.1		
Zinc	10.6 B	20.0	ug/L	SW846 6010B	02/27-03/06/12	MQVTA1AH
		Dilution Factor: 1		MDL.....: 7.0		

NOTE(S):

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL1255 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F2B270000-040 **Prep Batch #...:** 2058040						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: SL1255 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/12	MQ4KJ1AV
		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 #...: SL1255 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F2B270000-040 **Prep Batch #...:** 2058040							
Antimony	500	502	ug/L	100	SW846 6010B	02/27-03/06/12	MQ4KJ1AW
			Dilution Factor: 1				
Barium	1000	1040	ug/L	104	SW846 6010B	02/27-03/06/12	MQ4KJ1AX
			Dilution Factor: 1				
Beryllium	1000	1070	ug/L	107	SW846 6010B	02/27-03/06/12	MQ4KJ1A0
			Dilution Factor: 1				
Cadmium	1000	1070	ug/L	107	SW846 6010B	02/27-03/06/12	MQ4KJ1A1
			Dilution Factor: 1				
Calcium	10000	11100	ug/L	111	SW846 6010B	02/27-03/06/12	MQ4KJ1A2
			Dilution Factor: 1				
Chromium	1000	1100	ug/L	110	SW846 6010B	02/27-03/06/12	MQ4KJ1A3
			Dilution Factor: 1				
Cobalt	1000	1110	ug/L	111	SW846 6010B	02/27-03/06/12	MQ4KJ1A4
			Dilution Factor: 1				
Copper	1000	1080	ug/L	108	SW846 6010B	02/27-03/06/12	MQ4KJ1A5
			Dilution Factor: 1				
Iron	10000	10800	ug/L	108	SW846 6010B	02/27-03/06/12	MQ4KJ1A6
			Dilution Factor: 1				
Magnesium	10000	10500	ug/L	105	SW846 6010B	02/27-03/06/12	MQ4KJ1A7
			Dilution Factor: 1				
Manganese	1000	1080	ug/L	108	SW846 6010B	02/27-03/06/12	MQ4KJ1A8
			Dilution Factor: 1				
Nickel	1000	1100	ug/L	110	SW846 6010B	02/27-03/06/12	MQ4KJ1A9
			Dilution Factor: 1				
Potassium	10000	10300	ug/L	103	SW846 6010B	02/27-03/06/12	MQ4KJ1CA
			Dilution Factor: 1				
Silver	100	105	ug/L	105	SW846 6010B	02/27-03/06/12	MQ4KJ1CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL1255 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10400	ug/L	104	SW846 6010B	02/27-03/06/12	MQ4KJ1CD
			Dilution Factor: 1				
Strontium	1000	1040	ug/L	104	SW846 6010B	02/27-03/06/12	MQ4KJ1CE
			Dilution Factor: 1				
Vanadium	1000	1060	ug/L	106	SW846 6010B	02/27-03/06/12	MQ4KJ1CF
			Dilution Factor: 1				
Zinc	1000	1080	ug/L	108	SW846 6010B	02/27-03/06/12	MQ4KJ1CG
			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 #...: SL1255 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F2B150448-007 **Prep Batch #...:** 2058040									
Antimony									
	ND	500	481	ug/L	96		SW846 6010B	02/27-03/06/12	MQVR61CH
	ND	500	480	ug/L	96	0.12	SW846 6010B	02/27-03/06/12	MQVR61CJ
			Dilution Factor: 1						
Barium									
	8.8	1000	1030	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61CK
	8.8	1000	1040	ug/L	103	0.67	SW846 6010B	02/27-03/06/12	MQVR61CL
			Dilution Factor: 1						
Beryllium									
	ND	1000	1060	ug/L	106		SW846 6010B	02/27-03/06/12	MQVR61CM
	ND	1000	1060	ug/L	106	0.84	SW846 6010B	02/27-03/06/12	MQVR61CN
			Dilution Factor: 1						
Cadmium									
	ND	1000	1010	ug/L	101		SW846 6010B	02/27-03/06/12	MQVR61CP
	ND	1000	1010	ug/L	101	0.49	SW846 6010B	02/27-03/06/12	MQVR61CQ
			Dilution Factor: 1						
Calcium									
	26900	10000	36500	ug/L	96		SW846 6010B	02/27-03/06/12	MQVR61CR
	26900	10000	36700	ug/L	99	0.60	SW846 6010B	02/27-03/06/12	MQVR61CT
			Dilution Factor: 1						
Chromium									
	79.0	1000	1090	ug/L	101		SW846 6010B	02/27-03/06/12	MQVR61CU
	79.0	1000	1090	ug/L	102	0.73	SW846 6010B	02/27-03/06/12	MQVR61CV
			Dilution Factor: 1						
Cobalt									
	ND	1000	1020	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61CW
	ND	1000	1030	ug/L	103	0.48	SW846 6010B	02/27-03/06/12	MQVR61CX
			Dilution Factor: 1						
Copper									
	ND	1000	1020	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61C0
	ND	1000	1020	ug/L	102	0.29	SW846 6010B	02/27-03/06/12	MQVR61C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL1255 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	10000	10300	ug/L	103		SW846 6010B	02/27-03/06/12	MQVR61C2
	ND	10000	10300	ug/L	103	0.48	SW846 6010B	02/27-03/06/12	MQVR61C3
			Dilution Factor: 1						
Magnesium									
	10600	10000	20800	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61C4
	10600	10000	21000	ug/L	104	0.90	SW846 6010B	02/27-03/06/12	MQVR61C5
			Dilution Factor: 1						
Manganese									
	ND	1000	1040	ug/L	104		SW846 6010B	02/27-03/06/12	MQVR61C6
	ND	1000	1050	ug/L	105	0.95	SW846 6010B	02/27-03/06/12	MQVR61C7
			Dilution Factor: 1						
Nickel									
	ND	1000	1060 D	ug/L	106		SW846 6010B	02/27-03/06/12	MQVR61C8
	ND	1000	1100 D	ug/L	110	3.6	SW846 6010B	02/27-03/06/12	MQVR61C9
			Dilution Factor: 10						
Potassium									
	3410	10000	13300	ug/L	99		SW846 6010B	02/27-03/06/12	MQVR61DA
	3410	10000	13400	ug/L	100	0.97	SW846 6010B	02/27-03/06/12	MQVR61DC
			Dilution Factor: 1						
Silver									
	ND	100	98.5	ug/L	98		SW846 6010B	02/27-03/06/12	MQVR61DD
	ND	100	99.4	ug/L	99	0.91	SW846 6010B	02/27-03/06/12	MQVR61DE
			Dilution Factor: 1						
Sodium									
	12200	10000	22500	ug/L	103		SW846 6010B	02/27-03/06/12	MQVR61DF
	12200	10000	22700	ug/L	105	0.66	SW846 6010B	02/27-03/06/12	MQVR61DG
			Dilution Factor: 1						
Strontium									
	110	1000	1130	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61DH
	110	1000	1140	ug/L	103	0.70	SW846 6010B	02/27-03/06/12	MQVR61DJ
			Dilution Factor: 1						
Vanadium									
	19.3	1000	1050	ug/L	103		SW846 6010B	02/27-03/06/12	MQVR61DK
	19.3	1000	1040	ug/L	103	0.38	SW846 6010B	02/27-03/06/12	MQVR61DL
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: SL1255 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	1000	1020	ug/L	102		SW846 6010B	02/27-03/06/12	MQVR61DM
	ND	1000	1020	ug/L	102	0.49	SW846 6010B	02/27-03/06/12	MQVR61DN

Dilution Factor: 1

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.

WET CHEMISTRY

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC62

General Chemistry

Lot-Sample #...: F2B150448-001 **Work Order #...:** MQVR0 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	18.5 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/15/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.5 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.2 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.5	0.50	mg/L	MCAWW 300.0A	02/15/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC61

General Chemistry

Lot-Sample #...: F2B150448-002 **Work Order #...:** MQVR1 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.9 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/15/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.5 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.3 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.7	0.50	mg/L	MCAWW 300.0A	02/15/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC60

General Chemistry

Lot-Sample #...: F2B150448-003 **Work Order #...:** MQVR2 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.8 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/15/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.5 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.5 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.7	0.50	mg/L	MCAWW 300.0A	02/15/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC59

General Chemistry

Lot-Sample #...: F2B150448-004 **Work Order #...:** MQVR3 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.9 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.4 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.2 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.8	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC58

General Chemistry

Lot-Sample #...: F2B150448-005 **Work Order #...:** MQVR4 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	18.0 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.7 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.1 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.8	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KC57

General Chemistry

Lot-Sample #...: F2B150448-006 **Work Order #...:** MQVR5 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.8 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.6 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.4 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	13.7	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ0

General Chemistry

Lot-Sample #...: F2B150448-007 **Work Order #...:** MQVR6 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	18.3 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Conductivity	436	1.0	uS/cm	MCAWW 120.1	02/21/12	2052158
		Dilution Factor: 1		MDL.....: 0.097		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.5 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.3 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	14.0	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	58.1	5.0	ug/L	SW846 9012	02/27-02/28/12	2058112
		Dilution Factor: 1		MDL.....: 1.5		
TOX	42.2	5.0	ug/L	SW846 9020B	03/08-03/09/12	2059035
		Dilution Factor: 1		MDL.....: 1.8		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ1

General Chemistry

Lot-Sample #...: F2B150448-008 **Work Order #...:** MQVR8 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	18.0 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Conductivity	436	1.0	uS/cm	MCAWW 120.1	02/21/12	2052158
		Dilution Factor: 1		MDL.....: 0.097		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.7 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.4 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	14.1	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	56.9	5.0	ug/L	SW846 9012	02/27-02/28/12	2058112
		Dilution Factor: 1		MDL.....: 1.5		
TOX	36.3	5.0	ug/L	SW846 9020B	03/08-03/09/12	2059035
		Dilution Factor: 1		MDL.....: 1.8		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBH9

General Chemistry

Lot-Sample #...: F2B150448-009 **Work Order #...:** MQVTA **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.6 D	4.0	mg/L	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20		MDL.....: 0.40		
Conductivity	436	1.0	uS/cm	MCAWW 120.1	02/21/12	2052158
		Dilution Factor: 1		MDL.....: 0.097		
Fluoride	2.4 N	0.10	mg/L	MCAWW 300.0A	02/16/12	2046135
		Dilution Factor: 1		MDL.....: 0.010		
Nitrogen, Nitrate	1.7 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046138
		Dilution Factor: 20		MDL.....: 0.17		
Nitrogen, Nitrite	1.4 D	0.40	mg/L	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20		MDL.....: 0.060		
Sulfate	14.0	0.50	mg/L	MCAWW 300.0A	02/16/12	2046136
		Dilution Factor: 1		MDL.....: 0.050		
Total Cyanide	57.1	5.0	ug/L	SW846 9012	02/27-02/28/12	2058112
		Dilution Factor: 1		MDL.....: 1.5		
TOX	40.9	5.0	ug/L	SW846 9020B	03/08-03/09/12	2059035
		Dilution Factor: 1		MDL.....: 1.8		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ3

General Chemistry

Lot-Sample #...: F2B150448-010 **Work Order #...:** MQVTD **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/09/12	2068059
	Dilution Factor: 1			MDL.....: 0.26		
TOX	**47.4**	**5.0**	**ug/L**	**SW846 9020B**	**03/08-03/09/12**	**2059035**
	Dilution Factor: 1			MDL.....: 1.8		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ2

General Chemistry

Lot-Sample #...: F2B150448-011 **Work Order #...:** MQVTE **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	1.1	1.0	mg/L	SW846 9060	03/09/12	2068059
	Dilution Factor: 1			MDL.....: 0.26		
TOX	45.6	5.0	ug/L	SW846 9020B	03/09/12	2059035
	Dilution Factor: 1			MDL.....: 1.8		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ4

General Chemistry

Lot-Sample #...: F2B150448-012 **Work Order #...:** MQVTF **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	1.2	1.0	mg/L	SW846 9060	03/09/12	2068059
	Dilution Factor: 1			MDL.....: 0.26		
TOX	40.9	5.0	ug/L	SW846 9020B	03/09/12	2059035
	Dilution Factor: 1			MDL.....: 1.8		

CH2M Hill Plateau Remediation DOE RL

Client Sample ID: B2KBJ5

General Chemistry

Lot-Sample #...: F2B150448-013 **Work Order #...:** MQVTG **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	1.1	1.0	mg/L	SW846 9060	03/09/12	2068059
	Dilution Factor: 1			MDL.....: 0.26		
TOX	47.4	5.0	ug/L	SW846 9020B	03/09/12	2059035
	Dilution Factor: 1			MDL.....: 1.8		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL1255 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: MQ12A1AA		MB Lot-Sample #:	F2B150000-134	
	ND	0.20	mg/L	MCAWW 300.0A	02/15/12	2046134
		Dilution Factor: 1				
Conductivity		Work Order #: MQ2DA1AA		MB Lot-Sample #:	F2B210000-158	
	0.39 B	**1.0**	**uS/cm**	**MCAWW 120.1**	**02/21/12**	**2052158**
		Dilution Factor: 1				
Fluoride		Work Order #: MQ12E1AA		MB Lot-Sample #:	F2B150000-135	
	ND	0.10	mg/L	MCAWW 300.0A	02/15/12	2046135
		Dilution Factor: 1				
Nitrogen, Nitrate		Work Order #: MQ12J1AA		MB Lot-Sample #:	F2B150000-138	
	ND	0.020	mg/L	MCAWW 300.0A	02/15/12	2046138
		Dilution Factor: 1				
Nitrogen, Nitrite		Work Order #: MQ12G1AA		MB Lot-Sample #:	F2B150000-137	
	ND	0.020	mg/L	MCAWW 300.0A	02/15/12	2046137
		Dilution Factor: 1				
Sulfate		Work Order #: MQ12F1AA		MB Lot-Sample #:	F2B150000-136	
	ND	0.50	mg/L	MCAWW 300.0A	02/15/12	2046136
		Dilution Factor: 1				
Total Cyanide		Work Order #: MQ4LC1AA		MB Lot-Sample #:	F2B270000-112	
	1.8 B	**5.0**	**ug/L**	**SW846 9012**	**02/27-02/28/12**	**2058112**
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: MRA3P1AA		MB Lot-Sample #:	F2C080000-059	
	ND	1.0	mg/L	SW846 9060	03/09/12	2068059
		Dilution Factor: 1				
TOX		Work Order #: MRC8R1AA		MB Lot-Sample #:	F2B280000-035	
	ND	5.0	ug/L	SW846 9020B	03/09/12	2059035
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL1255 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #: MQ12A1AC LCS Lot-Sample#: F2B150000-134				
	2.00	1.99	mg/L	100	MCAWW 300.0A	02/15/12	2046134
			Dilution Factor: 1				
Conductivity			Work Order #: MQ2DA1AC LCS Lot-Sample#: F2B210000-158				
	500	499	uS/cm	100	MCAWW 120.1	02/21/12	2052158
			Dilution Factor: 1				
Fluoride			Work Order #: MQ12E1AC LCS Lot-Sample#: F2B150000-135				
	1.00	0.977	mg/L	98	MCAWW 300.0A	02/15/12	2046135
			Dilution Factor: 1				
Nitrogen, Nitrate			Work Order #: MQ12J1AC LCS Lot-Sample#: F2B150000-138				
	0.400	0.407	mg/L	102	MCAWW 300.0A	02/15/12	2046138
			Dilution Factor: 1				
Nitrogen, Nitrite			Work Order #: MQ12G1AC LCS Lot-Sample#: F2B150000-137				
	0.160	0.170	mg/L	106	MCAWW 300.0A	02/15/12	2046137
			Dilution Factor: 1				
Sulfate			Work Order #: MQ12F1AC LCS Lot-Sample#: F2B150000-136				
	8.00	7.59	mg/L	95	MCAWW 300.0A	02/15/12	2046136
			Dilution Factor: 1				
Total Cyanide			Work Order #: MQ4LC1AC LCS Lot-Sample#: F2B270000-112				
	200	205	ug/L	102	SW846 9012	02/27-02/28/12	2058112
			Dilution Factor: 1				
Total Cyanide			Work Order #: MQ4LC1AD LCS Lot-Sample#: F2B270000-112				
	400	410	ug/L	102	SW846 9012	02/27-02/28/12	2058112
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: MRA3P1AC LCS Lot-Sample#: F2C080000-059				
	6.00	6.07	mg/L	101	SW846 9060	03/09/12	2068059
			Dilution Factor: 1				
TOX			Work Order #: MRC8R1AC LCS Lot-Sample#: F2B280000-035				
	100	101	ug/L	101	SW846 9020B	03/09/12	2059035
			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 #...: SL1255 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: MQVR01AH			MS Lot-Sample #: F2B150448-001		
	18.5	40.0	59.5 D	mg/L	102	MCAWW 300.0A	02/16/12	2046134
			Dilution Factor: 20					
Conductivity			Work Order #...: MQVR81A8			MS Lot-Sample #: F2B150448-008		
	436	1410	1990	uS/cm	110	MCAWW 120.1	02/21/12	2052158
			Dilution Factor: 1					
Fluoride			Work Order #...: MQVR01AJ			MS Lot-Sample #: F2B150448-001		
	2.4	2.00	4.70 N	mg/L	115	MCAWW 300.0A	02/15/12	2046135
			Dilution Factor: 1					
Nitrogen, Nitrate			Work Order #...: MQVR01AM			MS Lot-Sample #: F2B150448-001		
	1.5	8.00	9.87 D	mg/L	105	MCAWW 300.0A	02/16/12	2046138
			Dilution Factor: 20					
Nitrogen, Nitrite			Work Order #...: MQVR01AL			MS Lot-Sample #: F2B150448-001		
	1.2	2.00	3.35 D	mg/L	106	MCAWW 300.0A	02/16/12	2046137
			Dilution Factor: 20					
Sulfate			Work Order #...: MQVR01AK			MS Lot-Sample #: F2B150448-001		
	13.5	4.00	17.7	mg/L	106	MCAWW 300.0A	02/15/12	2046136
			Dilution Factor: 1					
Total Cyanide			Work Order #...: MQRDH1AJ			MS Lot-Sample #: F2B100478-001		
	146	200	352	ug/L	103	SW846 9012	02/27-02/28/12	2058112
			Dilution Factor: 1					
Total Cyanide			Work Order #...: MQVR61D2			MS Lot-Sample #: F2B150448-007		
	58.1	200	273	ug/L	107	SW846 9012	02/27-02/28/12	2058112
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...: MQVTG1AD			MS Lot-Sample #: F2B150448-013		
	1.1	5.00	6.02	mg/L	99	SW846 9060	03/09/12	2068059
			Dilution Factor: 1					
TOX			Work Order #...: MQVR61CE			MS Lot-Sample #: F2B150448-007		
	42.2	100	130	ug/L	87	SW846 9020B	03/08-03/09/12	2059035
			Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL1255 **Matrix.....:** WATER
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

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.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F2B150448 **Work Order #...:** MQVR0-SMP **Matrix.....:** WATER
MQVR0-DUP
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #: F2B150448-001		
	18.5 D	18.3 D	mg/L	0.89	(0-20)	MCAWW 300.0A	02/16/12	2046134
		Dilution Factor: 20						
Fluoride						SD Lot-Sample #: F2B150448-001		
	2.4 N	2.4 N	mg/L	0.11	(0-20)	MCAWW 300.0A	02/15/12	2046135
		Dilution Factor: 1						
Sulfate						SD Lot-Sample #: F2B150448-001		
	13.5	13.7	mg/L	1.4	(0-20)	MCAWW 300.0A	02/15/12	2046136
		Dilution Factor: 1						
Nitrogen, Nitrite						SD Lot-Sample #: F2B150448-001		
	1.2 D	1.3 D	mg/L	5.6	(0-20)	MCAWW 300.0A	02/16/12	2046137
		Dilution Factor: 20						
Nitrogen, Nitrate						SD Lot-Sample #: F2B150448-001		
	1.5 D	1.5 D	mg/L	1.6	(0-20)	MCAWW 300.0A	02/16/12	2046138
		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.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F2B150448 **Work Order #...:** MQVR8-SMP **Matrix.....:** WATER
MQVR8-DUP
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Conductivity						SD Lot-Sample #: F2B150448-008		
	436	437	uS/cm	0.23	(0-20)	MCAWW 120.1	02/21/12	2052158

Dilution Factor: 1

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F2B150448 **Work Order #...:** MQRDH-SMP **Matrix.....:** WATER
MQRDH-DUP
Date Sampled...: 02/08/12 **Date Received..:** 02/10/12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #: F2B100478-001		
	146	151	ug/L	3.0	(0-20)	SW846 9012	02/27-02/28/12	2058112

Dilution Factor: 1

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F2B150448 **Work Order #...:** MQVR6-SMP **Matrix.....:** WATER
MQVR6-DUP

Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #: F2B150448-007		
	42.2	43.1	ug/L	2.3	(0-20)	SW846 9020B	03/08-03/09/12	2059035
			Dilution Factor: 1					
Total Cyanide						SD Lot-Sample #: F2B150448-007		
	58.1	56.3	ug/L	3.1	(0-20)	SW846 9012	02/27-02/28/12	2058112
			Dilution Factor: 1					

NOTE(S):

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

.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F2B150448 **Work Order #...:** MQVTG-SMP **Matrix.....:** WATER
MQVTG-DUP
Date Sampled...: 02/14/12 **Date Received..:** 02/15/12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #: F2B150448-013		
	1.1	1.1	mg/L	0.65	(0-20)	SW846 9060	03/09/12	2068059

Dilution Factor: 1