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FLUOR

Memorandum

M4W41-SLF-08-536

To: H. Hampt E6-35 Date: May 15, 2008

From: S. L. Fitzgerald, Manager
WSCF Analytical Lab

cc: w/Attachments

T. F. Dale	S3-30	J. E. Trechter	S3-30
H. K. Meznarich	S3-30	S. J. Trent	E6-35
P. D. Mix	S3-30	File/LB	

Subject: FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20080704 – SAF NUMBER F07-052

Reference:
(1) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEM-001, October 31, 2002

(2) HNF-SD-CD-QAPP-017, Rev. 8, Waste Sampling & Characterization Facility Quality Assurance Plan

This letter contains the following information for sample delivery group WSCF20080704:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Analytical Results (Attachment 3)
- Sample Receipt Information (Attachment 4)

SLF/grf

Attachments 4

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ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#:	WSCF20080704
Data Deliverable Date:	15-may-2008
Data Deliverable:	Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
F07-052	B1P0T8	W08GR00896	WATER
	B1P148	W08GR00897	WATER

M4W41-SLF-08-536

ATTACHMENT 2

NARRATIVE

Consisting of 3 pages
Including cover page

Introduction

Two S&GRP samples were received at the WSCF Laboratory on April 2, 2008. Samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Remediation Program – Letter of Instruction*, referenced in the cover letter.

The narrative (Attachment 2) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 3) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information as applicable. Copies of the chain of custody and sample receipt documentation are included as Attachment 4.

It should be noted that the attached chain of custody was stamped "ICED" and initialed by the WSCF Laboratory Sample Custodian during sample receiving, indicating the presence of ice in the sample container.

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report,* pages 9 through 11, for a complete listing of approved analytical methods.

Inorganic Comments

Anions – Holding time requirements for this analysis were met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per GRP Letter of Instruction. See page 16 for QC details. Analytical Note(s):

- Duplicate, Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TPF6 (SDG# 20080717, SAF# F08-087).
- Sample results were D flagged if dilution(s) were required.

All QC controls are within the established limits.

Hexavalent Chromium – The hold time requirement for this analysis was met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GRP Letter of Instruction. See page 17 for QC details.

All QC controls are within the established limits.

ICP-MS Metals – The hold time requirements for this analysis were met. A Blank and Laboratory Control Sample were analyzed with this delivery group. See page 18 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on sample# B1P0T9 (SDG# 20080727, SAF# F07-052).

All C controls are within the established limits.

Organic Comments

VOA – The holding time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample, were analyzed with this delivery group per the GRP Letter of Instruction. See pages 21 through 23 for QC details.

All QC controls are within the established limits.

Radiochemistry Comments

Rad Chem – There are no hold times associated with WSCF's radiochemical methods. A Duplicate, Matrix Spike, Blank and Laboratory Control Sample were analyzed with this delivery group. See pages 26 through 28 for QC details.

All QC controls are within the established limits.

I certify that this data package is in compliance with the LOI, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager and Client Services as verified by the following signatures.

for Scot L. Fitzgerald
WSCF Analytical Laboratory Manager

for John E. Trechter
WSCF Client Services

M4W41-SLF-08-536

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 22 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical: William H. Baird NW Baird 5/15/2008

Client Services: C.D. Mix 5/15/2008

All results are reported on an "as received" basis unless otherwise noted in the comment section.

This information is intended for the use of the addressee only. If the reader of this report is not the intended recipient or is not authorized by the recipient to receive the report, you are hereby notified that any dissemination, distribution or copying of this report is strictly prohibited. If you have received this report in error, please notify WSCF Laboratory immediately by telephone at (509) 373-7020 or (509) 531-8004. Information designation of this report is the responsibility of the customer.

Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20080704
Report Date: 13-may-2008
Report WGPP/ver. 5.2

WSCF
METHOD REFERENCES REPORT

Department: Inorganic

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-265-403 LA-265-403: Hexavalent Chromium analysis by Spectrophotometer

EPA SW-846 7196A	HEXAVALENT CHROMIUM
HEIS 7196_CR6	Hexavalent Chromium

LA-505-412 LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY

EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
HEIS 200.8_METALS_ICPMS	Inductively Coupled Plasma - Mass Spectrometry
HEIS RADISOTOPES_ICPMS	Radioisotopes by ICP/MS

LA-533-410 LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY

EPA-600/R-94-111 300.0	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
HEIS 300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://www2.rl.gov/phmc/as-dol.

WSCF
METHOD REFERENCES REPORT

Department: Organic

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
	HEIS 8260_VOA_GCMS	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://www2.rl.gov/phmc/as-dol.

WSCF
METHOD REFERENCES REPORT

Department: Radiochemistry

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-508-415 LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS

HEIS ALPHA_GPC	GROSS ALPHA GPC
HEIS BETA_GPC	GROSS BETA GPC
HEIS SRTOT_SEP_PRECIP_GPC	Strontium 89/90

LA-508-421 LA-508-421: OPERATION OF THE TRI-CARB MODEL 2500TR LIQUID SCINTILLATION ANALYZER

HEIS ALPHA_LSC	A/B Liquid Scintilillation
HEIS BETA_LSC	A/B Liquid Scintilallation
HEIS TC99_3MDSK_LSC	TC99 by Liquid Scintillation
HEIS TRITIUM_EIE_LSC	Tritium Liquid Scintillation

LA-508-481 LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE

HEIS GAMMA_GS	Gamma Emmision Spectrometry

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://www2.rl.gov/phmc/as-dol.

w13qlog v4.2 13-may-2008 10:48:18

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20080704

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
35857	2	36262	40539	BLANK		Anions by Ion Chromatography
35857	13	36262	40539	BLANK		Anions by Ion Chromatography
35857	3	36262	40539	LCS		Anions by Ion Chromatography
35857	11	36262	40539	SAMPLE	W08GR00896	Anions by Ion Chromatography
35857	5	36262	40539	DUP	W08GR00919	Anions by Ion Chromatography
35857	6	36262	40539	MS	W08GR00919	Anions by Ion Chromatography
35857	7	36262	40539	MSD	W08GR00919	Anions by Ion Chromatography
35857	7	36262	40539	SPK-RPD	W08GR00919	Anions by Ion Chromatography
35907	2	36315	40581	BLANK		Hexavalent chromium
35907	3	36315	40581	LCS		Hexavalent chromium
35907	5	36315	40581	DUP	W08GR00896	Hexavalent chromium
35907	6	36315	40581	MS	W08GR00896	Hexavalent chromium
35907	7	36315	40581	MSD	W08GR00896	Hexavalent chromium
35907	4	36315	40581	SAMPLE	W08GR00896	Hexavalent chromium
35907	7	36315	40581	SPK-RPD	W08GR00896	Hexavalent chromium
35994	1	36410	40674	BLANK		ICP-200.8 MS All possible meta
35994	2	36410	40674	LCS		ICP-200.8 MS All possible meta
35994	6	36410	40674	SAMPLE	W08GR00896	ICP-200.8 MS All possible meta
35994	4	36410	40674	MS	W08GR00931	ICP-200.8 MS All possible meta
35994	5	36410	40674	MSD	W08GR00931	ICP-200.8 MS All possible meta
35994	5	36410	40674	SPK-RPD	W08GR00931	ICP-200.8 MS All possible meta

w13qlog v4.2 13-may-2008 10:48:18

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20080704

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			41023	BLANK		VOA Ground Water Protection
			41023	LCS		VOA Ground Water Protection
			41023	MS	W08GR00897	VOA Ground Water Protection
			41023	MSD	W08GR00897	VOA Ground Water Protection
			41023	SAMPLE	W08GR00897	VOA Ground Water Protection
			41023	SPK-RPD	W08GR00897	VOA Ground Water Protection
			41023	SURR	W08GR00897	VOA Ground Water Protection

w13qlog v4.2 13-may-2008 10:48:18

Department: Radiochemistry

W13q Worklist/Batch/QC Report for Group# WSCF20080704

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
35819	1	36225	40680	BLANK		Gamma Energy Analysis-grd H2O
35819	2	36225	40680	LCS		Gamma Energy Analysis-grd H2O
35819	3	36225	40680	DUP	W08GR00896	Gamma Energy Analysis-grd H2O
35819	4	36225	40680	SAMPLE	W08GR00896	Gamma Energy Analysis-grd H2O
35890	1	36304	40757	BLANK		Strontium 89/90
35890	2	36304	40757	LCS		Strontium 89/90
35890	3	36304	40757	DUP	W08GR00896	Strontium 89/90
35890	4	36304	40757	SAMPLE	W08GR00896	Strontium 89/90
35890	5	36304	40757	SURR	W08GR00896	Strontium 89/90
36172	1	36589	40929	BLANK		TC99 by Liquid Scin.
36172	2	36589	40929	LCS		TC99 by Liquid Scin.
36172	4	36589	40929	DUP	W08GR00896	TC99 by Liquid Scin.
36172	3	36589	40929	MS	W08GR00896	TC99 by Liquid Scin.
36172	5	36589	40929	SAMPLE	W08GR00896	TC99 by Liquid Scin.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F07-052
Sample # W08GR00896
Client ID: B1P0T8 TRENT WSCF

Matrix: WATER

Group #: WSCF20080704
Department: Inorganic
Sampled: 04/02/08
Received: 04/02/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410		0.295	mg/L			1.00	6.0e-03		04/03/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	7.72	mg/L			5.00	0.025		04/03/08
Hexavalent Chromium											
Hexavalent Chromium	18540-29-9	LA-265-403	U	< 2.00e-03	mg/L			1.00	2.0e-03		04/02/08
ICP-200.8 MS All possible meta Prep											**04/09/08**
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		36.3	ug/L			1.00	0.100		04/11/08
Cadmium	7440-43-9	LA 505-412	U	< 0.100	ug/L			1.00	0.100		04/11/08
Lead	7439-92-1	LA-505-412	U	< 0.100	ug/L			1.00	0.100		04/11/08
Uranium	7440-61-1	LA-505-412		1.08	ug/L			1.00	0.0500		04/11/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
U - Analyzed for but not detected above limiting criteria(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080704
Matrix: WATER
Test: Anions by Ion Chromatography

Sample Date: 04/03/08
Receive Date:04/03/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00919											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Fluoride	16984-48-8	0.3735		RPD			0.880	20.000		04/03/08
DUP	Nitrogen in Nitrate	NO3-N	0.3431		RPD			0.321	20.000		04/03/08
MS	Fluoride	16984-48-8	0.5132	104.097	% Recov	75.000	125.000				04/03/08
MS	Nitrogen in Nitrate	NO3-N	0.4247	95.224	% Recov	75.000	125.000				04/03/08
MSD	Fluoride	16984-48-8	0.5157	104.604	% Recov	75.000	125.000				04/03/08
MSD	Nitrogen in Nitrate	NO3-N	0.4183	93.789	% Recov	75.000	125.000				04/03/08
SPK-RPD	Fluoride	16984-48-8	104.604		RPD			0.486	20.000		04/03/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	93.789		RPD			1.518	20.000		04/03/08
BATCH QC											
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	04/03/08
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	04/03/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	04/03/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	04/03/08
LCS	Fluoride	16984-48-8	103.0406	103.454	% Recov	80.000	120.000				04/03/08
LCS	Nitrogen in Nitrate	NO3-N	95.616	106.122	% Recov	80.000	120.000				04/03/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Inorganic**

SDG Number: WSCF20080704
Matrix: WATER
Test: Hexavalent chromium

Sample Date: 04/02/08
Receive Date:04/02/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00896											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Hexavalent chromium	18540-29-9	<0.002		RPD			n/a	15.000	U	04/02/08
MS	Hexavalent chromium	18540-29-9	0.0533	99.440	% Recov	85.000	115.000				04/02/08
MSD	Hexavalent chromium	18540-29-9	0.0533	99.440	% Recov	85.000	115.000				04/02/08
SPK-RPD	Hexavalent chromium	18540-29-9	99.440		RPD			0.000	20.000		04/02/08
BATCH QC											
BLANK	Hexavalent chromium	18540-29-9	<0.002	n/a	mg/L	0.000	2.000			U	04/02/08
LCS	Hexavalent chromium	18540-29-9	0.0508	100.794	% Recov	80.000	120.000				04/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080704
Matrix: WATER
Test: ICP-200.8 MS All possible meta

Sample Date: 04/04/08
Receive Date:04/04/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00931											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Cadmium	7440-43-9	36.29	90.725	% Recov	70.000	130.000				04/11/08
MS	Manganese	7439-96-5	38.6	96.500	% Recov	70.000	130.000				04/11/08
MS	Lead	7439-92-1	38.29	95.725	% Recov	70.000	130.000				04/11/08
MS	Uranium	7440-61-1	40.06	100.150	% Recov	70.000	130.000				04/11/08
MSD	Cadmium	7440-43-9	36.44	91.100	% Recov	70.000	130.000				04/11/08
MSD	Manganese	7439-96-5	37.9	94.750	% Recov	70.000	130.000				04/11/08
MSD	Lead	7439-92-1	38.39	95.975	% Recov	70.000	130.000				04/11/08
MSD	Uranium	7440-61-1	40.23	100.575	% Recov	70.000	130.000				04/11/08
SPK-RPD	Cadmium	7440-43-9	91.100		RPD			0.412	20.000		04/11/08
SPK-RPD	Manganese	7439-96-5	94.750		RPD			1.830	20.000		04/11/08
SPK-RPD	Lead	7439-92-1	95.975		RPD			0.261	20.000		04/11/08
SPK-RPD	Uranium	7440-61-1	100.575		RPD			0.423	20.000		04/11/08
BATCH QC											
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L					U	04/11/08
BLANK	Manganese	7439-96-5	<0.1	n/a	ug/L					U	04/11/08
BLANK	Lead	7439-92-1	<0.1	n/a	ug/L					U	04/11/08
BLANK	Uranium	7440-61-1	<5e-2	n/a	ug/L					U	04/11/08
LCS	Cadmium	7440-43-9	36.99	92.475	% Recov	85.000	115.000				04/11/08
LCS	Manganese	7439-96-5	37.91	94.775	% Recov	85.000	115.000				04/11/08
LCS	Lead	7439-92-1	38.29	95.725	% Recov	85.000	115.000				04/11/08
LCS	Uranium	7440-61-1	38.6	96.500	% Recov	85.000	115.000				04/11/08

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F07-052
Sample # W08GR00897
Client ID: B1P148 TRENT WSCF

Matrix: WATER

Group #: WSCF20080704
Department: Organic
Sampled: 04/02/08
Received: 04/02/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Styrene	100-42-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
2-Hexanone	591-78-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Bromomethane	74-83-9	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Chloromethane	74-87-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
U - Analyzed for but not detected above limiting criteria(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F07-052
Sample # W08GR00897
Client ID: B1P148 TRENT WSCF

Matrix: WATER

Group #: WSCF20080704
Department: Organic
Sampled: 04/02/08
Received: 04/02/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Chloroethane	75-00-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Bromoform	75-25-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/11/08

MDL = Minimum Detection Limit
RQ = Result Qualifier
TP Err = Total Propagated Error
DF = Dilution Factor

D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
U - Analyzed for but not detected above limiting criteria(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080704
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 04/02/08
Receive Date:04/02/08

Lab ID: W08GR00897
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,1-Dichloroethene	75-35-4	25.850	103.000	% Recov	63.000	117.000				04/11/08
MS	Benzene	71-43-2	24.730	98.900	% Recov	75.000	129.000				04/11/08
MS	4-Bromofluorobenzene(Surr)	460-00-4	49.590	99.200	% Recov	75.000	125.000				04/11/08
MS	Chlorobenzene	108-90-7	26.560	106.000	% Recov	79.000	119.000				04/11/08
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	56.970	114.000	% Recov	75.000	125.000				04/11/08
MS	Toluene-d8(Surr)	2037-26-5	49.040	98.100	% Recov	75.000	125.000				04/11/08
MS	Toluene	108-88-3	25.760	103.000	% Recov	76.000	120.000				04/11/08
MS	Trichloroethene	79-01-6	22.660	90.600	% Recov	73.000	123.000				04/11/08
MSD	1,1-Dichloroethene	75-35-4	23.980	95.900	% Recov	63.000	117.000				04/11/08
MSD	Benzene	71-43-2	24.230	96.900	% Recov	75.000	129.000				04/11/08
MSD	4-Bromofluorobenzene(Surr)	460-00-4	50.300	101.000	% Recov	75.000	125.000				04/11/08
MSD	Chlorobenzene	108-90-7	27.300	109.000	% Recov	79.000	119.000				04/11/08
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	58.290	117.000	% Recov	75.000	125.000				04/11/08
MSD	Toluene d8(Surr)	2037-26-5	48.130	96.300	% Recov	75.000	125.000				04/11/08
MSD	Toluene	108-88-3	25.960	104.000	% Recov	76.000	120.000				04/11/08
MSD	Trichloroethene	79-01-6	22.620	90.500	% Recov	73.000	123.000				04/11/08
SPK-RPD	1,1-Dichloroethene	75-35-4	95.900		RPD			7.139	20.000		04/11/08
SPK-RPD	Benzene	71-43-2	96.900		RPD			2.043	20.000		04/11/08
SPK-RPD	Chlorobenzene	108-90-7	109.000		RPD			2.791	20.000		04/11/08
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	117.000		RPD			2.597	20.000		04/11/08
SPK-RPD	Toluene-d8(Surr)	2037-26-5	96.300		RPD			1.852	20.000		04/11/08
SPK-RPD	Toluene	108-88-3	104.000		RPD			0.966	20.000		04/11/08
SPK-RPD	Trichloroethene	79-01-6	90.500		RPD			0.110	20.000		04/11/08
SURR	4-Bromofluorobenzene(Surr)	460-00-4	49.900	99.800	% Recov	75.000	125.000				04/11/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	56.820	114.000	% Recov	75.000	125.000				04/11/08
SURR	Toluene-d8(Surr)	2037-26-5	49.520	99.000	% Recov	75.000	125.000				04/11/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080704
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 04/02/08
Receive Date:04/02/08

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/L	0.000	5.000			U	04/11/08
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/L					U	04/11/08
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	ug/L					U	04/11/08
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/L					U	04/11/08
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	50.410	101.000	% Recov	75.000	125.000				04/11/08
BLANK	Bromoform	75-25-2	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Carbon tetrachloride	56 23-5	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/L					U	04/11/08
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	57.470	115.000	% Recov	75.000	125.000				04/11/08
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Bromomethane	74-83-9	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/L					U	04/11/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080704
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/L	0.000	5.000			U	04/11/08
BLANK	Toluene-d8(Surr)	2037-26-5	48.060	96.100	% Recov	75.000	125.000				04/11/08
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/L					U	04/11/08
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Trichloroethene	79-01-6	< 1.0	n/a	ug/L					U	04/11/08
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/L					U	04/11/08
LCS	1,1-Dichloroethene	75-35-4	22.260	89.000	% Recov	75.000	125.000				04/11/08
LCS	Benzene	71-43-2	23.140	92.600	% Recov	75.000	125.000				04/11/08
LCS	4-Bromofluorobenzene(Surr)	460-00-4	51.280	103.000	% Recov	75.000	125.000				04/11/08
LCS	Chlorobenzene	108-90-7	24.600	98.400	% Recov	75.000	125.000				04/11/08
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	56.440	113.000	% Recov	75.000	125.000				04/11/08
LCS	Toluene-d8(Surr)	2037-26-5	48.740	97.500	% Recov	75.000	125.000				04/11/08
LCS	Toluene	108-88-3	24.080	96.300	% Recov	75.000	125.000				04/11/08
LCS	Trichloroethene	79-01-6	20.400	81.600	% Recov	75.000	125.000				04/11/08

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F07-052
Sample # W08GR00896
Client ID: B1P0T8 TRENT WSCF

Matrix: WATER

Group #: WSCF20080704
Department: Radiochemistry
Sampled: 04/02/08
Received: 04/02/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Cesium-137	10045-97-3	LA-508-481	U	2.90	pCi/L	+-5.25	pCi/L	1.00	8.4		04/03/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-1.60	pCi/L	+-2.18	pCi/L	1.00	1.2		04/08/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		82.9	Percent			1.00	0.0		04/08/08
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421	U	0.400	pCi/L	+-3.42	pCi/L	1.00	5.7		05/02/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
U - Analyzed for but not detected above limiting criteria(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F07-052 :F07-052

Group #: WSCF20080704
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	BI-214				4.8e+02	pCi/L
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				13	%
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	PB-214				4.2e+02	pCi/L
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				30	%
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	RA-226				4.0e+02	pCi/L
W08GR00896	B1P0T8	TRENT	Gamma Energy Analysis-grd H2O	RA-226 Count Error				16	%

RQ=Result Qualifier

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WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080704
Matrix: WATER
Test: Gamma Energy Analysis-grd H2O

Sample Date: 04/02/08
Receive Date:04/02/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00896											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Cesium-137	10045-97-3	U-1.257		RPD			n/a	20.000		04/04/08
BATCH QC											
BLANK	Cesium-137	10045-97-3	U1.833	n/a	pCi/L	-10.000	1000.000				04/08/08
LCS	Cesium-137	10045-97-3	6444	106.689	% Recov	80.000	120.000				04/08/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080704
Matrix: WATER
Test: Strontium 89/90

Sample Date: 04/02/08
Receive Date:04/02/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00896											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	87.1	87.100	% Recov	30.000	105.000				04/08/08
DUP	Strontium-89/90	SR-RAD	U-3.6		RPD			n/a	20.000		04/08/08
SURR	Sr-85 Tracer by Beta Counting	SR85	82.9	82.900	% Recov	30.000	105.000				04/08/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	94.1	94.100	% Recov	30.000	105.000				04/08/08
BLANK	Strontium-89/90	10098-97-2	U-1.1	n/a	pCi/L	-10.000	100.000				04/08/08
LCS	Sr-85 Tracer by Beta Counting	SR85	97.3	97.300	% Recov	30.000	105.000				04/08/08
LCS	Strontium-89/90	10098-97-2	139.0	99.109	% Recov	80.000	120.000				04/08/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080704
Matrix: WATER
Test: TC99 by Liquid Scin.

Sample Date: 04/02/08
Receive Date:04/02/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00896											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Tc-99 by Liquid Scin.	14133-76-7	U4.1		RPD			n/a	20.000		05/02/08
MS	Tc-99 by Liquid Scin.	14133-76-7	761.56	101.238	% Recov	75.000	125.000				05/02/08
BATCH QC											
BLANK	Tc-99 by Liquid Scin.	14133-76-7	U3.5	n/a	pCi/L	-10.000	10.000				05/02/08
LCS	Tc-99 by Liquid Scin.	14133-76-7	189.8	100.904	% Recov	80.000	120.000				05/02/08

M4W41-SLF-08-536

ATTACHMENT 4

SAMPLE RECEIPT INFORMATION

Consisting of 4 pages
Including cover page

Waste Sampling and Characterization Facility
P.O. BOX 1970 S3-30, Richland, WA 99352
PHONE: (509) 373-7004/FAX: (509) 373-7134

File
05/15/08
tal

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 122597/ES10
Group#: 20080704
Project#: F07-052
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

The following samples were received from you on 04/02/08. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08GR00896	B1P0T8	TRENT @2008 @GEA-GPP @IC-30 @SR89_90 @TC99-30 CR+6	Water	04/02/08
W08GR00897	B1P148	TRENT @VOA-GPP	Water	04/02/08

Test Acronym Description

Test Acronym	Description
@2008	ICP-200.8 MS All possible meta
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@SR89_90	Strontium 89/90
@TC99-30	TC99 by Liquid Scin.
@VOA-GPP	VOA Ground Water Protection
CR+6	Hexavalent chromium

05/15/08

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7N	DATA TURNAROUND
Pope, Pfister, Moekler, Lot+.	Trent, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	**45 Days / 45 Days**
C5573, I-6 455'	200-ZP-1 Laundry Facility Sampling on C5572, C5573, & C5574 - GW		F07-052		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-5	122597ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization 20080704	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool 4C	HNO3 to pH <2	Cool 4C	HNO3 to pH <2	HNO3 to pH <2	None
TYPE OF CONTAINER	P	~~G~~/P 09115-07	aG	~~G~~/P	~~G~~/P 09115-07	~~G~~/P
NO. OF CONTAINER(S)	1	1	1	1	2	2
VOLUME	120mL	125mL	500mL	500mL	1L	1L
SAMPLE ANALYSIS	IC Anions - 300.0 (Fluoride, Nitrogen in Nitrate)	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Chromium Hex - 7196;	Gamma Spectroscopy (Cesium-137)	Strontium-89,90 -- Total Sr;	Technetium-99 (Technetium-99)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1P0T8 W0B6R00896	WATER	4-2-08	1208	✓	✓	✓	✓	✓	✓		
	LOT#			024953	024953	028946	028006	026057	018279		

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Jo Lilitx MG Lit	4-2-08 1345	[signature]	4/2/08 1345
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)ICP/MS - 200.8 (TAL) {Cadmium, Manganese} ICP/MS - 200.8 (Add-on) {Lead, Uranium}

ICED

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

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 7N	DATA TURNAROUND
Pope, Pfister, Moekler, Lilite	Trent, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5573, I-6-FB 455'	200-ZP-1 Laundry Facility Sampling on C5572, C5573, & C5574 - GW		F07-052		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-5	122597ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS											
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegitation W=Water WI=Wipe X=Other	Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	~~HCl or H2SO4~~ to pH <2/Cool 4C	04/11-9-07								
		TYPE OF CONTAINER	aGs*									
		NO. OF CONTAINER(S)	3									
		VOLUME	40mL									
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	VOA - 8260B (TCL);									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B1P148 897	WATER	4-2-08	1208	✓
	LOT #			6215060

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Malcolm Mahlie 4-2-08	1345	[signature]	4/2/08 1345
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
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

ICED

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

A-6003-618(01/06)