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# FLUOR

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## Memorandum

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To: H. Hampt E6-35 Date: M4W41-SLF-08-541  
May 19, 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 WSCF20080802 – SAF NUMBER F08-067

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 WSCF20080802:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Issue Resolution Form (Attachment 3)
- Analytical Results (Attachment 4)
- Sample Receipt Information (Attachment 5)

SLF/grf

Attachments 5

M4W41-SLF-08-541

ATTACHMENT 1

**COVER SHEET**

Consisting of 2 pages  
Including cover page

# WSCF SAF NUMBER CROSS REFERENCE

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Group#: WSCF20080802  
Data Deliverable Date: 29-may-2008  
Data Deliverable: Cover Sheet

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SAF#	Sample ID	WSCF#	Matrix
F08-067	B1TFK5	W08GR01032	WATER

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M4W41-SLF-08-541

ATTACHMENT 2

**NARRATIVE**

Consisting of 3 pages  
Including cover page

## **Introduction**

One S&GRP sample was received at the WSCF Laboratory on April 15, 2008. Sample was 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 copy of Issue Resolution Form #08-055, documenting missed VOA hold time requirement is included as Attachment 3. A Data Summary Report (Attachment 4) 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 5.

It should be noted that the attached chain of custody was stamped “ICED” 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*, page 12, for a complete listing of approved analytical methods.

## **Organic Comments**

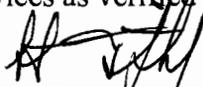
**VOA** – The hold time requirement for this analysis was not met. See comment below. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample, were analyzed with this delivery group per the GRP Letter of Instruction. See pages 15 through 17 for QC details.  
Analytical Note(s):

- Missed Hold Time – Sample was collected in the field on April 3, 2008, delivered to the WSCF Laboratory on April 15, 2008. Sample was successfully analyzed on April 29, 2008. A copy of Issue Resolution Form #08-055, documenting missed VOA hold time requirement is included as Attachment 3.
- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TPJ9 (SDG# 20080763, SAF# F08-085).

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.



Scot L. Fitzgerald  
WSCF Analytical Laboratory Manager



Pauline D. Mix  
WSCF Client Services

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ATTACHMENT 3

**ISSUE RESOLUTION FORM**

Consisting of 2 pages  
Including cover page

**ISSUE RESOLUTION FORM**

**PNNL TRACKING NUMBER:** 08-055

Date : **5-12-2008**      SAF No.      **F08-067**

SDG: **WSCF20080802**      LOGIN No.:      TEST: VOA @VOA-GPP

Sample No.(s)      **B1TFK5**      (**W08GR01032**)

Submitted By: PD Mix      Submitted To: H Hampt  
Phone No.      372-1488      Phone No.      376-4319  
Fax No.      372-0456      Fax No

**ISSUE**

Missed regulatory holding time (14 day) for VOA analysis.

Due to a large sample backlog and schedule issues at the WSCF Laboratory; the client was asked to assist in prioritizing S&GRP samples in the queue for VOA analyses.

With assistance from the client, solid samples B1TFC1 and B1TFC2 (SDG# 20080797) were given high priority which, in turn, delayed analysis of sample# B1TFK5 beyond the regulatory hold time requirement as required by the chain of custody.

Sample was collected in the field on April 3, 2008 and delivered to the WSCF Laboratory on April 15, 2008. Analysis was successfully completed on April 29, 2008 after the hold time had expired.

All QC controls were within established laboratory limits.

**PROPOSED RESOLUTION**

Accept results (accept as-is) and document missed holding time in the case narrative.

**GRP COMMENTS**

Accept proposed resolution.

Heidi Hampt 5/13/08  
Signature and Date

M4W41-SLF-08-541

ATTACHMENT 4

**ANALYTICAL RESULTS**

Consisting of 10 pages  
Including cover page

**WSCF**  
**ANALYTICAL RESULTS REPORT**

for  
Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical: *S. Fitzgerald 5/19/08*  
Client Services: *C.D.H. P.D.M. 5/19/2008*

*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#: WSCF20080802  
Report Date: 15-may-2008  
Report WGPP/ver. 5.2  
Groundwater Remediation Program

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20080802

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			40990	BLANK		VOA Ground Water Protection
			40990	LCS		VOA Ground Water Protection
			40990	MS	W08GR00976	VOA Ground Water Protection
			40990	MSD	W08GR00976	VOA Ground Water Protection
			40990	SPK-RPD	W08GR00976	VOA Ground Water Protection
			40990	SAMPLE	W08GR01032	VOA Ground Water Protection
			40990	SURR	W08GR01032	VOA Ground Water Protection

# 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.

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

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>.

Report Date: 15-may-2008  
Report#: WSCF20080802  
Report WGPPM/5.2

# WSCF ANALYTICAL RESULTS REPORT

**Attention:** Steve Trent  
**SAF Number:** F08-067  
**Sample #** W08GR01032  
**Client ID:** BITFK5

**Matrix:** WATER

**TRENT  
WSCF**

**Group #:** WSCF20080802  
**Department:** Organic  
**Sampled:** 04/03/08  
**Received:** 04/15/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
<b>VOA Ground Water Protection</b>											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Styrene	100-42-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
2-Hexanone	591-78-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Bromomethane	74-83-9	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Chloromethane	74-87-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08

MDL = Minimum Detection Limit U - Analyzed for but not detected above limiting criteria (org)

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

\* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols  
 Report WGPP/ver. 5.2

Groundwater Remediation Program

# WSCF ANALYTICAL RESULTS REPORT

**Attention:** Steve Trent  
**SAF Number:** F08-067  
**Sample #** W08GR01032  
**Client ID:** BITFK5

**Group #:** WSCF20080802  
**Department:** Organic  
**Sampled:** 04/03/08  
**Received:** 04/15/08

**TRENT**  
**WSCF**

**Matrix:** WATER

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		04/29/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Bromoform	75-25-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Hexane	110-54-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		04/29/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		04/29/08
Acetonitrile	75-05-8	LA-523-455	U	< 2.00	ug/L			1.00	2.0		04/29/08

**MDL = Minimum Detection Limit** U - Analyzed for but not detected above limiting criteria.(org)

**RQ = Result Qualifier**

**TP Err = Total Propagated Error**

**DF = Dilution Factor**

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

**Report WGPP/ver. 5.2**

**Groundwater Remediation Program**

# WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080802

Matrix: WATER

Test: VOA Ground Water Protection

Sample Date: 04/09/08

Receive Date: 04/09/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date	
<b>Lab ID: W08GR00976</b>												
<b>BATCH QC ASSOCIATED WITH SAMPLE</b>												
MS	1,1-Dichloroethene	75-35-4	25.380	102.000	% Recov	63.000	117.000				04/29/08	
MS	Benzene	71-43-2	24.650	98.600	% Recov	75.000	129.000				04/29/08	
MS	4-Bromofluorobenzene(Surr)	460-00-4	52.820	106.000	% Recov	75.000	125.000				04/29/08	
MS	Chlorobenzene	108-90-7	25.920	104.000	% Recov	79.000	119.000				04/29/08	
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	51.860	104.000	% Recov	75.000	125.000				04/29/08	
MS	Toluene-d8(Surr)	2037-26-5	48.810	97.600	% Recov	75.000	125.000				04/29/08	
MS	Toluene	108-88-3	25.180	101.000	% Recov	76.000	120.000				04/29/08	
MS	Trichloroethene	79-01-6	23.080	92.300	% Recov	73.000	123.000				04/29/08	
MSD	1,1-Dichloroethene	75-35-4	24.690	98.800	% Recov	63.000	117.000				04/29/08	
MSD	Benzene	71-43-2	24.470	97.900	% Recov	75.000	129.000				04/29/08	
MSD	4-Bromofluorobenzene(Surr)	460-00-4	52.210	104.000	% Recov	75.000	125.000				04/29/08	
MSD	Chlorobenzene	108-90-7	25.860	103.000	% Recov	79.000	119.000				04/29/08	
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.940	102.000	% Recov	75.000	125.000				04/29/08	
MSD	Toluene-d8(Surr)	2037-26-5	49.180	98.400	% Recov	75.000	125.000				04/29/08	
MSD	Toluene	108-88-3	25.170	101.000	% Recov	76.000	120.000				04/29/08	
MSD	Trichloroethene	79-01-6	22.790	91.200	% Recov	73.000	123.000				04/29/08	
SPK-RPD	1,1-Dichloroethene	75-35-4	98.800		RPD			3.187	20.000		04/29/08	
SPK-RPD	Benzene	71-43-2	97.900		RPD			0.712	20.000		04/29/08	
SPK-RPD	Chlorobenzene	108-90-7	103.000		RPD			0.966	20.000		04/29/08	
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	102.000		RPD			1.942	20.000		04/29/08	
SPK-RPD	Toluene-d8(Surr)	2037-26-5	98.400		RPD			0.816	20.000		04/29/08	
SPK-RPD	Toluene	108-88-3	101.000		RPD			0.000	20.000		04/29/08	
SPK-RPD	Trichloroethene	79-01-6	91.200		RPD			1.199	20.000		04/29/08	

**Lab ID: W08GR01032**  
**BATCH QC ASSOCIATED WITH SAMPLE**

# WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: **WSCF20080802**  
 Matrix: **WATER**  
 Test: **VOA Ground Water Protection**

Sample Date: **04/03/08**  
 Receive Date: **04/15/08**

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	4-Bromofluorobenzene(Surr)	460-00-4	51.880	104.000	% Recov	75.000	125.000				04/29/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.820	102.000	% Recov	75.000	125.000				04/29/08
SURR	Toluene-d8(Surr)	2037-26-5	50.280	101.000	% Recov	75.000	125.000				04/29/08
<b>BATCH QC</b>											
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/L	0.000	5.000			U	04/29/08
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/L					U	04/29/08
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	ug/L					U	04/29/08
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/L					U	04/29/08
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	53.010	106.000	% Recov	75.000	125.000				04/29/08
BLANK	Bromoform	75-25-2	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Carbon tetrachloride	56-23-5	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/L					U	04/29/08
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.480	101.000	% Recov	75.000	125.000				04/29/08
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Hexane	110-54-3	< 1.0	n/a	ug/L					U	04/29/08

# WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080802  
 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	Bromomethane	74-83-9	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/L	0.000	5.000			U	04/29/08
BLANK	Tetrahydrofuran	109-99-9	< 2.0	n/a	ug/L					U	04/29/08
BLANK	Toluene-d8(Surr)	2037-26-5	48.660	97.300	% Recov	75.000	125.000			U	04/29/08
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/L					U	04/29/08
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Trichloroethene	79-01-6	< 1.0	n/a	ug/L					U	04/29/08
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/L					U	04/29/08
LCS	1,1-Dichloroethene	75-35-4	23.820	95.300	% Recov	75.000	125.000			U	04/29/08
LCS	Benzene	71-43-2	24.790	99.200	% Recov	75.000	125.000			U	04/29/08
LCS	4-Bromofluorobenzene(Surr)	460-00-4	51.230	102.000	% Recov	75.000	125.000			U	04/29/08
LCS	Chlorobenzene	108-90-7	25.920	104.000	% Recov	75.000	125.000			U	04/29/08
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	51.470	103.000	% Recov	75.000	125.000			U	04/29/08
LCS	Toluene-d8(Surr)	2037-26-5	50.130	100.000	% Recov	75.000	125.000			U	04/29/08
LCS	Toluene	108-88-3	25.290	101.000	% Recov	75.000	125.000			U	04/29/08
LCS	Trichloroethene	79-01-6	21.850	87.400	% Recov	75.000	125.000			U	04/29/08

# WSCF ANALYTICAL COMMENT REPORT

**Attention:** Steve Trent  
**Project Number** F08-067

**Group #:** WSCF20080802  
**Department:** Organic

Sample #	Client ID	Lab Area	Test	Comment
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VALGROUP

VOA: Holding time exceeded due to laboratory outage. gar

<b>Lab Areas:</b>	VALGROUP - Group Validation	VALTEST - Test Validation	TESTDATA - Test Data Entry
	LOGSAMP - Login for Sample	LOGTEST - Login for Tests	

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wgppc/5.2 Report#: WSCF20080802

Report Date: 15-may-2008

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ATTACHMENT 5

**SAMPLE RECEIPT INFORMATION**

Consisting of 3 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*

ACKNOWLEDGMENT OF SAMPLES RECEIVED

*05/29/08*

Groundwater Remediation Program

Richland, WA 99354  
Attn: Steve Trent

Customer Code: GPP  
PO#: 123055/ES20  
Group#: 20080802  
Project#: F08-067  
Proj Mgr: Steve Trent E6-35  
Phone: 373-5869

The following samples were received from you on 04/15/08. 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
W08GR01032	B1TFK5	TRENT @VOA-GPP	Water	04/03/08

Test Acronym Description

Test Acronym	Description
@VOA-GPP	VOA Ground Water Protection

