

WSCF ANALYTICAL RESULTS REPORT

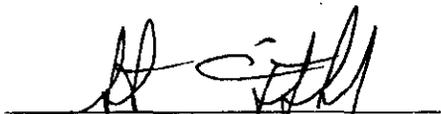
for

Ground Water Protection Program

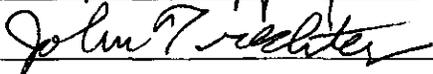
Richland, WA 99352

Attention: Steve Trent

Analytical:



Client Services:



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

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Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20031637
Report Date: 10-dec-2003
Report WGPP/ver. 1
Ground Water Protection Program

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9/21/05
Dugan

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Revision 2

1

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-025: F03-025

Group #: WSCF20031637

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive	
W030001134	B17RV1	TRENT	12587-46-1	Gross alpha	SOIL	LA-508-421	U	1.00	pCi/g	1.00	2.0	12/10/03	12/07/03	12/09/03
W030001134	B17RV1	TRENT	E.T.C	Alpha error by LC	SOIL	LA-508-421		+ 0.90	pCi/g	1.00	0.0	12/10/03	12/07/03	12/09/03
W030001134	B17RV1	TRENT	12587-47-2	Gross beta	SOIL	LA-508-421		17.0	pCi/g	1.00	3.0	12/10/03	12/07/03	12/09/03
W030001134	B17RV1	TRENT	E.T.C	Beta error by LC	SOIL	LA-508-421		+ 8.5	pCi/g	1.00	0.0	12/10/03	12/07/03	12/09/03
W030001135	B17RW3	TRENT	12587-46-1	Gross alpha	SOIL	LA-508-421	U	-2.10	pCi/g	1.00	1.8	12/10/03	12/09/03	12/09/03
W030001135	B17RW3	TRENT	E.T.C	Alpha error by LC	SOIL	LA-508-421		+ 3.9	pCi/g	1.00	0.0	12/10/03	12/09/03	12/09/03
W030001135	B17RW3	TRENT	12587-47-2	Gross beta	SOIL	LA-508-421		26.0	pCi/g	1.00	2.8	12/10/03	12/09/03	12/09/03
W030001135	B17RW3	TRENT	E.T.C	Beta error by LC	SOIL	LA-508-421		+ 8.3	pCi/g	1.00	0.0	12/10/03	12/09/03	12/09/03

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

RQ=Result Qualifier

DF=Dilution Factor

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

Report WGPP/ver. 1

Ground Water Protection Program

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WSCF
ANALYTICAL COMMENT REPORT

Attention:
Project Number

Group #: 20031637

Sample #	Client ID	Lab Area	Test	Comment
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Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention:
Project Number :

Group #: 20031637

Sample #	Client ID	Test Name	Peak Name	CAS#	RT	RQ	Result	Units
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RQ=Result Qualifier

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WSCF

METHOD REFERENCES REPORT

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-508-421	LA-508-421: OPERATION OF THE TRI-CARB MODEL 2500TR LIQUID SCINTILLATION ANALYZER
None	No reference to any industry method.

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf>. This document includes on-line links to full-text versions of the procedures and methods, where available.

Report Date: 10-dec-2003

Report#: WSCF20031637

Report WGPPM/O

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

12/10/03
A.15 1005
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ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 119143/ES20
Group#: 20031637
Project#: F03-025
Proj Mgr: Steve Trent A0-21
Phone: 373-5869

The following samples were received from you on 12/09/03. 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
W030001134	B17RV1	TRENT @TOTALAB	Solid, or handle as if solid	12/07/03
W030001135	B17RW3	TRENT @TOTALAB	Solid, or handle as if solid	12/09/03

Test Acronym Description

Test Acronym	Description
@TOTALAB	A/B by Liquid Scintillation

FLUOR Hanford Inc.		CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F03-025-025		Page 1 of 1		
Collector <i>Kevin Hughes</i>		Company Contact TRENT, STEVE		Telephone No. 373-5689		Project Coordinator TRENT, SJ		Price Code 8N Data Turnaround 45 Days		
Project Designation 200-LW-1/LW-2 Characterization - Soil		Sampling Location 216-B-58 (22.5 - 25 ft)			SAF No. F03-025		Air Quality			
Ice Chest No. <i>200 12-93 LPP-03-011 5mL 69</i>		Field Logbook No. <i>HNF-10-356-1</i>		COA 119143ES10		Method of Shipment GOVT VEHICLE				
Shipped To Waste Sampling & Characterization		Offsite Property No. <i>N/A</i>			Bill of Lading/Air Bill No. <i>N/A</i>					
POSSIBLE SAMPLE HAZARDS/REMARKS				Preservation	None					
Special Handling and/or Storage <i>2003#37</i>				Type of Container	G/P					
				No. of Container(s)	1					
				Volume	20mL					
SAMPLE ANALYSIS				Activity Scan						
Sample No.	Matrix *	Sample Date	Sample Time							
B17RV1	SOIL	<i>12-7-3</i>	<i>10:30</i>	<i>✓</i>						
<i>WLO3001134</i>										
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS				
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Activity Scan for shipping information only - 24 hour turnaround required				
<i>Kevin Hughes</i>		<i>16:00</i>	<i>David J. [Signature]</i>		<i>12-7-3</i>					
<i>Site trailer RMA Fridge</i>		<i>13:00</i>	<i>Kevin Hughes</i>		<i>12-9-3</i>					
<i>Kevin Hughes</i>		<i>13:45</i>	<i>Victor T. Sims</i>		<i>12-9-3</i>					
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Matrix *				
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	S=Soil SE=Sediment SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other				
LABORATORY SECTION	Received By	Title			Date/Time					
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By			Date/Time					

A-6003-618(03/03)

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FLUOR Hanford Inc.		CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F03-025-031		Page 1 of 1	
Collector <i>K. HUGHES</i>		Company Contact TRENT, STEVE		Telephone No. 373-5689		Project Coordinator TRENT, SJ		Price Code 8N Data Turnaround 45 Days	
Project Designation 200-LW-1/LW-2 Characterization - Soil		Sampling Location 216-B-58 (52.5 - 55 ft)		SAF No. F03-025		Air Quality			
Ice Chest No. <i>6PP-03-01</i>		Field Logbook No. <i>HNF-3561</i>		COA 119143ES10		Method of Shipment GOVT VEHICLE			
Shipped To Waste Sampling & Characterization		Offsite Property No.		Bill of Lading/Air Bill No.					
POSSIBLE SAMPLE HAZARDS/REMARKS				Preservation	None				
Special Handling and/or Storage				Type of Container	G/P				
				No. of Container(s)	1				
				Volume	20mL				
SAMPLE ANALYSIS				Activity Scan					
Sample No.	Matrix *	Sample Date	Sample Time						
B17RW3	SOIL	<i>12-9-3</i>	<i>11:25</i>	<input checked="" type="checkbox"/>					
<i>W030001135</i>									
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS			
Relinquished By/Removed From		Date/Time <i>13:50</i>		Received By/Stored In		Date/Time <i>13:50</i>		Activity Scan for shipping information only - 24 hour turnaround required	
<i>Kevin Hughes</i>		<i>12-9-3</i>		<i>Victor Sims</i>		<i>12/9/03</i>			
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			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Matrix *

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

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