

**WSCF
ANALYTICAL RESULTS REPORT**

for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical: Mark Samples
Client Services: John Trebble



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

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Contract#: F02-009
Report#: WSCF20031019
Report Date: 31-jul-2003
Report W004/ver. 5.2
Ground Water Protection Program

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WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
 Project: F02-009: F02-009

Group #: WSCF20031019

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W03000653	B179Y9	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421	U	-0.600	pCi/mL		0.20	07/31/03	07/29/03	07/29/03
W03000653	B179Y9	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		100	%		0.0	07/31/03	07/29/03	07/29/03
W03000653	B179Y9	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		0.700	pCi/mL		0.30	07/31/03	07/29/03	07/29/03
W03000653	B179Y9	GPP	TRENT		Beta error by LC	WATER	LA-508-421		110	%		0.0	07/31/03	07/29/03	07/29/03
W03000654	B17B00	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421		3.70	pCi/mL		0.90	07/31/03	07/29/03	07/29/03
W03000654	B17B00	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		70.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000654	B17B00	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		9.60	pCi/mL		1.5	07/31/03	07/29/03	07/29/03
W03000654	B17B00	GPP	TRENT		Beta error by LC	WATER	LA-508-421		45.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000655	B17B01	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421		4.40	pCi/mL		0.90	07/31/03	07/29/03	07/29/03
W03000655	B17B01	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		60.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000655	B17B01	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		8.70	pCi/mL		1.5	07/31/03	07/29/03	07/29/03
W03000655	B17B01	GPP	TRENT		Beta error by LC	WATER	LA-508-421		50.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000656	B17B02	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421		4.50	pCi/mL		0.90	07/31/03	07/29/03	07/29/03
W03000656	B17B02	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		60.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000656	B17B02	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		8.90	pCi/mL		1.5	07/31/03	07/29/03	07/29/03
W03000656	B17B02	GPP	TRENT		Beta error by LC	WATER	LA-508-421		50.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000657	B17B03	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421		3.00	pCi/mL		1.1	07/31/03	07/29/03	07/29/03
W03000657	B17B03	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		100	%		0.0	07/31/03	07/29/03	07/29/03
W03000657	B17B03	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		14.0	pCi/mL		1.5	07/31/03	07/29/03	07/29/03
W03000657	B17B03	GPP	TRENT		Beta error by LC	WATER	LA-508-421		32.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000658	B17B04	GPP	TRENT	12587-46-1	Alpha by liquid scintillation	WATER	LA-508-421		3.30	pCi/mL		1.1	07/31/03	07/29/03	07/29/03
W03000658	B17B04	GPP	TRENT		Alpha error by LC	WATER	LA-508-421		90.0	%		0.0	07/31/03	07/29/03	07/29/03
W03000658	B17B04	GPP	TRENT	12587-47-2	Beta by liquid scintillation	WATER	LA-508-421		14.0	pCi/mL		1.5	07/31/03	07/29/03	07/29/03
W03000658	B17B04	GPP	TRENT		Beta error by LC	WATER	LA-508-421		35.0	%		0.0	07/31/03	07/29/03	07/29/03

MDL=Minimum Detection Limit
 RQ=Result Qualifier

U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

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

Report W004/ver. 5.2

Ground Water Protection Program

WSCF ANALYTICAL COMMENT REPORT

Attention:
Project Number

Group #: 20031019

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

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Group #: 20031019

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: 31-jul-2003

Report#: WSCF20031019

Report W04M/2

w13qlog v1 31-jul-2003 15:57:15

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
19960	1	20343		SAMPLE	W030000653	A/B by Liquid Scintillation
19960	2	20343		SAMPLE	W030000654	A/B by Liquid Scintillation
19960	3	20343		SAMPLE	W030000655	A/B by Liquid Scintillation
19960	4	20343		SAMPLE	W030000656	A/B by Liquid Scintillation
19959	1	20344		SAMPLE	W030000657	A/B by Liquid Scintillation
19959	2	20344		SAMPLE	W030000658	A/B by Liquid Scintillation

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20031019

SAF Number:

Matrix:
Test:

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
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Lab ID:
BATCH QC ASSOCIATED WITH SAMPLE