

WSCF0621

WSCF ANALYTICAL RESULTS REPORT

for

Effluent and Environmental Monitoring (EEM)
Post Office Box 1970 T6-36
Richland WA 99352

Attention: Larry Diediker

Analytical: _____

Client Services: _____

Report#: 20021015
Report Date: 9-oct-2002
Report W004/ver. 4.6
Effluent and Environmental Monitoring (EEM)

B01-049

**AIR QUALITY
DOCUMENT**

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ANALYTICAL RESULTS REPORT

Attention: Larry Diediker
Project: ISS: Interim Safe Storage

Group #: 20021015

Sample #	Client ID	Test Performed	Matrix	WSCF Method	RQ	Result	Units	DF	MDL	Analyze	Sample	Receive
W02F002143	S433171	CePr-144 Rel. % Count Error	FILTER	LA-508-481		295.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	CePr-144 by GEA	FILTER	LA-508-481	U	-3.28e+00	pCi		16.80	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Co-60 Rel. % Count Error (GEA)	FILTER	LA-508-481		16.1	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Co-60 by GEA	FILTER	LA-508-481		1.43e+01	pCi		2.31	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Cs-134 Rel. % Count Error (GEA)	FILTER	LA-508-481		1000	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Cs-134 by GEA	FILTER	LA-508-481	U	-1.08e-01	pCi		2.10	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Cs-137 Rel. % Count Error (GEA)	FILTER	LA-508-481		19.8	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Cs-137 by GEA	FILTER	LA-508-481		2.18e+01	pCi		1.79	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-152 Rel. % Count Error (GEA)	FILTER	LA-508-481		163.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-152 by GEA	FILTER	LA-508-481	U	1.75e+00	pCi		4.45	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-154 Rel. % Count Error (GEA)	FILTER	LA-508-481		181.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-154 by GEA	FILTER	LA-508-481	U	1.79e+00	pCi		6.17	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-155 Rel. % Count Error (GEA)	FILTER	LA-508-481		154.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Eu-155 by GEA	FILTER	LA-508-481	U	1.55e+00	pCi		4.37	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Nb-94 Rel. % Count Error (GEA)	FILTER	LA-508-481		104.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Nb-94 by GEA	FILTER	LA-508-481	U	-9.24e-01	pCi		1.51	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Ru-103 Rel. % Count Error (GEA)	FILTER	LA-508-481		122.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Ru-103 by GEA	FILTER	LA-508-481	U	9.56e-01	pCi		2.16	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Ru-106 Rel. % Count Error (GEA)	FILTER	LA-508-481		140.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Ru-106 by GEA	FILTER	LA-508-481	U	6.36e+00	pCi		16.40	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Sb-125 Rel. % Count Error (GEA)	FILTER	LA-508-481		894.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Sb-125 by GEA	FILTER	LA-508-481	U	2.55e-01	pCi		4.10	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Sn-113 Rel. % Count Error (GEA)	FILTER	LA-508-481		324.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Sn-113 by GEA	FILTER	LA-508-481	U	-3.67e-01	pCi		2.08	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Zn-65 Rel. % Count Error (GEA)	FILTER	LA-508-481		220.	%		0.00	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Zn-65 by GEA	FILTER	LA-508-481	U	-1.25e+00	pCi		4.65	08/08/02	06/25/02	07/18/02
W02F002143	S433171	Pu-238 by AEA	FILTER	LA-508-471	U	3.8e-02	pCi		0.25	09/23/02	06/25/02	07/18/02

AIR QUALITY DOCUMENT

MDL=Minimum Detection Limit

RQ=Result Qualifier

DF=Dilution Factor

B - The analyte was detected in the associated method blank.
E - Compound concentration exceeded calibration range.
N - Identification is based on a mass spectral library search.

D - Compound concentration resulted from a dilution.
J - Estimated value. Z - See Comments.
U - The analyte was analyzed for but not detected.

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

Report W004/ver. 4.6

Effluent and Environmental Monitoring (EEM)

WSCF ANALYTICAL RESULTS REPORT

Attention: Larry Diediker
Project: ISS: Interim Safe Storage

Group #: 20021015

Sample #	Client ID	Test Performed	Matrix	WSCF Method	RQ	Result	Units	DF	MDL	Analyze	Sample	Receive
W02F002143	S433171	Pu-238 by AEA Total Cntg Error	FILTER	LA-508-471		360	%		0.00	09/23/02	06/25/02	07/18/02
W02F002143	S433171	Pu-239/240 AEA Total Cntg Err	FILTER	LA-508-471		41.	%		0.00	09/23/02	06/25/02	07/18/02
W02F002143	S433171	Pu-239/240 by AEA	FILTER	LA-508-471		3.0e-01	pCi		0.03	09/23/02	06/25/02	07/18/02
W02F002143	S433171	Sr-90 Rel. % Count Error	FILTER	LA-508-415		32	%		0.00	10/09/02	06/25/02	07/18/02
W02F002143	S433171	Sr-90 by Beta Counting	FILTER	LA-508-415		4.0	pCi		1.20	10/09/02	06/25/02	07/18/02
W02F002143	S433171	U-234 by AEA	FILTER	LA-508-471		3.4e-01	pCi		0.07	09/23/02	06/25/02	07/18/02
W02F002143	S433171	U-234 by AEA Total Cntg Error	FILTER	LA-508-471		40.	%		0.00	09/23/02	06/25/02	07/18/02
W02F002143	S433171	U-235 by AEA	FILTER	LA-508-471	U	2.2e-02	pCi		0.03	09/23/02	06/25/02	07/18/02
W02F002143	S433171	U-235 by AEA Total Cntg Error	FILTER	LA-508-471		140	%		0.00	09/23/02	06/25/02	07/18/02
W02F002143	S433171	U-238 by AEA	FILTER	LA-508-471		2.2e-01	pCi		0.03	09/23/02	06/25/02	07/18/02
W02F002143	S433171	U-238 by AEA Total Cntg Error	FILTER	LA-508-471		46.	%		0.00	09/23/02	06/25/02	07/18/02

AIR QUALITY DOCUMENT

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RQ=Result Qualifier

DF=Dilution Factor

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E - Compound concentration exceeded calibration range.

N - Identification is based on a mass spectral library search.

D - Compound concentration resulted from a dilution.

J - Estimated value.

Z - See Comments.

U - The analyte was analyzed for but not detected.

Report W004/ver. 4.6

Effluent and Environmental Monitoring (EEM)

WSCF ANALYTICAL COMMENT REPORT

Attention:
Project Number

Group #: 20021015

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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TENTATIVELY IDENTIFIED PEAK REPORT

Attention:
Project Number :

Group #: 20021015

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

B - The analyte was detected in the associated method blank.

J - Estimated value.

N - Identification is based on a mass spectral library search.

U - The analyte was analyzed for but not detected.

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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-508-415	LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS None No reference to any industry method.
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP None No reference to any industry method.
LA-508-481	LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE None No reference to any industry method.

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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.

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Report WO4M/1

WSCF Sample Site Cross-Reference Report

Group#: 20021015

Date Printed: 9-oct-2002

WSCF0621

B01-049

Sample#	Site Name	Sample ID
W02F002143	N526C	S433171

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