



RECEIVED MARCH 25, 2010

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SERVICES

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0091694

March 25, 2010

Mr. Michael Neely  
CH2M Hill Plateau Remediation Company  
P.O. Box 1600  
Mail Stop – B6-06  
Richland, WA 99352

Reference: **P.O. #33677**  
**Eberline Analytical S0-03-075-7795, SDG H4180**

Dear Mr. Neely:

Enclosed is a data report for three water samples designated under SAF No. F10-119 received at Eberline Analytical on March 11, 2010. The samples were analyzed according to the accompanying chain-of-custody documents.

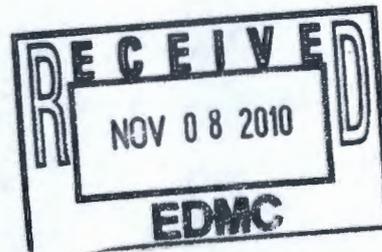
Please call if you have any questions concerning this report.

Sincerely,

N. Joseph Verville  
Client Services Manager

NJV/jag

Enclosure: Data Package



**1.0 GENERAL**

CH2M Hill Plateau Remediation Company (CHPRC) Sample Delivery Group H4180 was composed of three water samples designated under SAF No. F10-119 with a Project Designation of: 200-CW-1 Model Group 5 Sampling – Large Area Ponds - QC.

The samples were received as stated on the chain-of-custody documents. Any discrepancies are noted on the Eberline Analytical Sample Receipt Checklist.

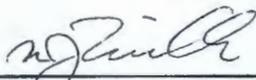
**2.0 ANALYSIS NOTES**

**2.1 Neptunium-237 Analysis**

The MDA for the QC blank was 1.05 pCi/L, slightly greater than the RDL of 1.00 pCi/L. The results for both the original and duplicate analyses were less than their respective MDA's, therefore no RPD is calculated, and there is no associated control limit. No other problems were encountered during the course of the analyses.

**3.0 Case Narrative Certification Statement**

**"I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data obtained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature."**



\_\_\_\_\_  
N. Joseph Verville  
Client Services Manager

3/25/10

\_\_\_\_\_  
Date

EBERLINE SERVICES / RICHMOND  
SAMPLE DELIVERY GROUP H4180

SDG 7795  
Contact N. Joseph Verville

Client CHPRC  
Contract No. 33677  
Case no SDG H4180

S U M M A R Y   D A T A   S E C T I O N

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Prepared by



Reviewed by



Lab id EBRLNE  
Protocol CHPRC  
Version Ver 1.0  
Form DVD-TOC  
Version 3.06  
Report date 03/24/10

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H4180

SDG 7795  
Contact N. Joseph Verville

REPORT GUIDE

Client CHPRC  
Contract No. 33677  
Case no SDG H4180

ABOUT THE DATA SUMMARY SECTION

The Data Summary Section of a Data Package has all data, in several useful orders, necessary for first level, routine review of the data package for a Sample Delivery Group (SDG). This section follows the Data Package Narrative, which has an overview of the data package and a discussion of special problems. It is followed by the Raw Data Section, which has full details.

The Data Summary Section has several groups of reports:

SAMPLE SUMMARIES

The Sample and QC Summary Reports show all samples, including QC samples, reported in one SDG. These reports cross-reference client and lab sample identifiers.

PREPARATION BATCH SUMMARY

The Preparation Batch Summary Report shows all preparation batches (lab groupings reflecting how work was organized) relevant to the reported SDG with information necessary to check the completeness and consistency of the SDG.

WORK SUMMARY

The Work Summary Report shows all samples and work done on them relevant to the reported SDG.

METHOD BLANKS

The Method Blank Reports, one for each Method Blank relevant to the SDG, show all results and primary supporting information for the blanks.

LAB CONTROL SAMPLES

The Lab Control Sample Reports, one for each Lab Control Sample relevant to the SDG, show all results, recoveries and primary supporting information for these QC samples.

REPORT GUIDES

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SUMMARY DATA SECTION

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Lab id EBRLNE  
Protocol CHPRC  
Version Ver 1.0  
Form DVD-RG  
Version 3.06  
Report date 03/24/10

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H4180

SDG 7795  
Contact N. Joseph Verville

GUIDE, cont.

Client CHPRC  
Contract No. 33677  
Case no SDG H4180

ABOUT THE DATA SUMMARY SECTION

DUPLICATES

The Duplicate Reports, one for each Duplicate and Original sample pair relevant to the SDG, show all results, differences and primary supporting information for these QC samples.

MATRIX SPIKES

The Matrix Spike Reports, one for each Spiked and Original sample pair relevant to the SDG, show all results, recoveries and primary supporting information for these QC samples.

DATA SHEETS

The Data Sheet Reports, one for each client sample in the SDG, show all results and primary supporting information for these samples.

METHOD SUMMARIES

The Method Summary Reports, one for each test used in the SDG, show all results, QC and method performance data for one analyte on one or two pages. (A test is a short code for the method used to do certain work to the client's specification.)

REPORT GUIDES

The Report Guides, one for each of the above groups of reports, have documentation on how to read the associated reports.

REPORT GUIDES

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SUMMARY DATA SECTION

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Protocol CHPRC  
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**EBERLINE SERVICES/RICHMOND**

SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

**LAB SAMPLE SUMMARY**

Client CHPRC  
 Contract No. 33677  
 Case no SDG H4180

LAB						CHAIN OF	
SAMPLE ID	CLIENT SAMPLE ID	LOCATION	MATRIX	LEVEL	SAF NO	CUSTODY	COLLECTED
3003075-01	B243V4	216-S-16 Pond;C5727 FTB	WATER		F10-119	F10-119-013	03/09/10 07:45
3003075-02	B243V5	216-S-17 Pond;C5758 EB	WATER		F10-119	F10-119-016	03/09/10 09:48
3003075-03	B243V6	216-S-17 Pond;C5758 FTB	WATER		F10-119	F10-119-018	03/09/10 09:40
3003075-04	Lab Control Sample		WATER		F10-119		
3003075-05	Method Blank		WATER		F10-119		
3003075-06	Duplicate (S003075-01)	216-S-16 Pond;C5727 FTB	WATER		F10-119		03/09/10 07:45

LAB SUMMARY

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PRIMARY DATA SECTION

Page 3

Lab id EBRINE  
 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-LS  
 Version 3.06  
 Report date 03/24/10

**EBERLINE SERVICES/RICHMOND**

SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

**QC SUMMARY**

Client CHPRC  
 Contract No. 33677  
 Case no SDG H4180

BATCH	CHAIN OF CUSTODY	CLIENT SAMPLE ID	MATRIX	% SOLIDS	SAMPLE AMOUNT	BASIS AMOUNT	DAYS SINCE RECEIVED	LAB COLL	LAB SAMPLE ID	DEPARTMENT SAMPLE ID
95	F10-119-013	B243V4	WATER		0.26 L		03/11/10	2	S003075-01	7795-001
	F10-119-016	B243V5	WATER		0.26 L		03/11/10	2	S003075-02	7795-002
	F10-119-018	B243V6	WATER		0.26 L		03/11/10	2	S003075-03	7795-003
		Method Blank	WATER						S003075-05	7795-005
		Lab Control Sample	WATER						S003075-04	7795-004
		Duplicate (S003075-01)	WATER		0.26 L		03/11/10	2	S003075-06	7795-006

QC SUMMARY

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PRIMARY DATA SECTION

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Lab id EBRLNE  
 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-QS  
 Version 3.06  
 Report date 03/24/10

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H4180

PREP BATCH SUMMARY

SDG 7795  
Contact N. Joseph Verville

Client CHPRC  
Contract No. 33677  
Case no SDG H4180

TEST	MATRIX	METHOD	PREPARATION ERROR		PLANCHETS ANALYZED				QUALI-	
			BATCH	2σ %	CLIENT	MORE	RE	BLANK		LCS
Alpha Spectroscopy										
NP	WATER	Neptunium in Water	7243-165	14.8	3			1	1	1/1

Duplicates and Matrix Spikes are those with original (Client) sample in this Sample Delivery Group.  
Blank and LCS planchets are those in the same preparation batch as some Client, Duplicate or Spike sample.

Lab id EBRLE  
Protocol CHPRC  
Version Ver 1.0  
Form DVD-PBS  
Version 3.06  
Report date 03/24/10

**EBERLINE SERVICES/RICHMOND**

SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

**LAB WORK SUMMARY**

Client CHPRC  
 Contract No. 33677  
 Case no SDG H4180

3 SAMPLE COLLECTED RECEIVED	CLIENT SAMPLE ID LOCATION CUSTODY	MATRIX SAF No	PLANCHET	TEST	SUF-FIX	ANALYZED	REVIEWED	BY	METHOD
33075-01 03/09/10 03/11/10	B243V4 216-S-16 Pond;C5727 FTB F10-119-013	WATER F10-119	7795-001	NP		03/18/10	03/23/10	BW	Neptunium in Water
33075-02 03/09/10 03/11/10	B243V5 216-S-17 Pond;C5758 EB F10-119-016	WATER F10-119	7795-002	NP		03/18/10	03/23/10	BW	Neptunium in Water
33075-03 03/09/10 03/11/10	B243V6 216-S-17 Pond;C5758 FTB F10-119-018	WATER F10-119	7795-003	NP		03/18/10	03/23/10	BW	Neptunium in Water
33075-04	Lab Control Sample	WATER F10-119	7795-004	NP		03/18/10	03/23/10	BW	Neptunium in Water
33075-05	Method Blank	WATER F10-119	7795-005	NP		03/23/10	03/23/10	BW	Neptunium in Water
03075-06 03/09/10 03/11/10	Duplicate (S003075-01) 216-S-16 Pond;C5727 FTB F10-119	WATER F10-119	7795-006	NP		03/18/10	03/23/10	BW	Neptunium in Water

**COUNTS OF TESTS BY SAMPLE TYPE**

TEST	SAF No	METHOD	REFERENCE	CLIENT	MORE	RE	BLANK	LCS	DUP	SPIKE	TOTAL
NP	F10-119	Neptunium in Water	NP237_LLE_PLATE_AEA	3			1	1	1		6
<b>TOTALS</b>				3			1	1	1		6

Lab id EBRLNE  
 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-LWS  
 Version 3.06  
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EBERLINE SERVICES / RICHMOND  
SAMPLE DELIVERY GROUP H4180

7795-005

Method Blank

METHOD BLANK

SDG <u>7795</u>	Client/Case no <u>CHPRC</u>	SDG <u>H4180</u>
Contact <u>N. Joseph Verville</u>	Contract <u>No. 33677</u>	
Lab sample id <u>S003075-05</u>	Client sample id <u>Method Blank</u>	
Dept sample id <u>7795-005</u>	Material/Matrix _____	<u>WATER</u>
	SAF No <u>F10-119</u>	

ANALYTE	CAS NO	RESULT pCi/L	2 $\sigma$ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI- FIERS	TEST
Neptunium 237	13994-20-2	0.685	0.82	<u>1.05</u>	1.00	U	NP

QC-BLANK #72670

Lab id <u>EBRLNE</u>
Protocol <u>CHPRC</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>03/24/10</u>



**EBERLINE SERVICES/RICHMOND**

SAMPLE DELIVERY GROUP H4180

7795-006

B243V4

**DUPLICATE**

SDG <u>7795</u> Contact <u>N. Joseph Verville</u> DUPLICATE Lab sample id <u>S003075-06</u> Dept sample id <u>7795-006</u>	Client/Case no <u>CHPRC</u> <u>SDG H4180</u> Contract <u>No. 33677</u> ORIGINAL Lab sample id <u>S003075-01</u> Dept sample id <u>7795-001</u> Received <u>03/11/10</u>
Client sample id <u>B243V4</u> Location/Matrix <u>216-S-16 Pond;C5727 FTB WATER</u> Collected/Volume <u>03/09/10 07:45</u> <u>0.26 L</u> Custody/SAF No <u>F10-119-013</u> <u>F10-119</u>	

ANALYTE	DUPLICATE	2σ ERR	MDA	RDL	QUALI-	ORIGINAL	2σ ERR	MDA	QUALI-	RPD	3σ	DER
	pCi/L	(COUNT)	pCi/L	pCi/L	FIERS	TEST	pCi/L	(COUNT)	pCi/L	%	TOT	σ
Neptunium 237	0.356	0.36	0.535	1.00	U	NP	0.172	0.34	0.516	U	-	0.7

QC-DUP#1 72671

200-CW-1 Model Group 5 Sampling - Large Area Ponds -QC

Lab id EBRLNE  
 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-DUP  
 Version 3.06  
 Report date 03/24/10

**EBERLINE SERVICES / RICHMOND**  
**SAMPLE DELIVERY GROUP H4180**

7795-001

B243V4

**DATA SHEET**

SDG <u>7795</u>	Client/Case no <u>CHPRC</u>	SDG <u>H4180</u>
Contact <u>N. Joseph Verville</u>	Contract <u>No. 33677</u>	
Lab sample id <u>S003075-01</u>	Client sample id <u>B243V4</u>	
Dept sample id <u>7795-001</u>	Location/Matrix <u>216-S-16 Pond;C5727 FTB WATER</u>	
Received <u>03/11/10</u>	Collected/Volume <u>03/09/10 07:45 0.26 L</u>	
	Custody/SAF No <u>F10-119-013 F10-119</u>	

ANALYTE	CAS NO	RESULT pCi/L	2 $\sigma$ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI- FIERS	TEST
Neptunium 237	13994-20-2	0.172	0.34	0.516	1.00	U	NP

200-CW-1 Model Group 5 Sampling - Large Area Ponds -QC

Lab id <u>EBRLNE</u>
Protocol <u>CHPRC</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>03/24/10</u>

DATA SHEET

SDG <u>7795</u>	Client/Case no <u>CHPRC</u>	SDG <u>H4180</u>
Contact <u>N. Joseph Verville</u>	Contract <u>No. 33677</u>	
Lab sample id <u>S003075-02</u>	Client sample id <u>B243V5</u>	
Dept sample id <u>7795-002</u>	Location/Matrix <u>216-S-17 Pond;C5758 EB</u>	<u>WATER</u>
Received <u>03/11/10</u>	Collected/Volume <u>03/09/10 09:48</u>	<u>0.26 L</u>
	Custody/SAF No <u>F10-119-016</u>	<u>F10-119</u>

ANALYTE	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI- FIERS	TEST
Neptunium 237	13994-20-2	0.097	0.19	0.291	1.00	U	NP

200-CW-1 Model Group 5 Sampling - Large Area Ponds -QC

Lab id <u>EBRINE</u>
Protocol <u>CHPRC</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>03/24/10</u>

**EBERLINE SERVICES / RICHMOND**  
**SAMPLE DELIVERY GROUP H4180**

7795-003

B243V6

**D A T A   S H E E T**

SDG <u>7795</u>	Client/Case no <u>CHPRC</u>	SDG <u>H4180</u>
Contact <u>N. Joseph Verville</u>	Contract No. <u>33677</u>	
Lab sample id <u>S003075-03</u>	Client sample id <u>B243V6</u>	
Dept sample id <u>7795-003</u>	Location/Matrix <u>216-S-17 Pond;C5758 FTB WATER</u>	
Received <u>03/11/10</u>	Collected/Volume <u>03/09/10 09:40 0.26 L</u>	
	Custody/SAF No <u>F10-119-018</u> <u>F10-119</u>	

ANALYTE	CAS NO	RESULT pCi/L	2σ ERR (COUNT)	MDA pCi/L	RDL pCi/L	QUALI- FIERS	TEST
Neptunium 237	13994-20-2	0.224	0.22	0.336	1.00	U	NP

200-CW-1 Model Group 5 Sampling - Large Area Ponds -QC

Lab id <u>EBRLNE</u>
Protocol <u>CHPRC</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
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**EBERLINE SERVICES/RICHMOND**

SAMPLE DELIVERY GROUP H4180

Test NP Matrix WATER  
 SDG 7795  
 Contact N. Joseph Verville

**LAB METHOD SUMMARY**

NEPTUNIUM IN WATER  
 ALPHA SPECTROSCOPY

Client CHPRC  
 Contract No. 33677  
 Contract SDG H4180

**RESULTS**

3	RAW	SUF-		Neptunium
AMPLE ID	TEST FIX	PLANCHET	CLIENT SAMPLE ID	237
Separation batch 7243-165				
13075-01		7795-001	B243V4	U
13075-02		7795-002	B243V5	U
13075-03		7795-003	B243V6	U
13075-04		7795-004	Lab Control Sample	ok
13075-05		7795-005	Method Blank	U
13075-06		7795-006	Duplicate (S003075-01)	- U

Final values and limits from method RDLs (pCi/L) 1.00

**METHOD PERFORMANCE**

3	RAW	SUF-	MDA	ALIQ	PREP	DILU-	YIELD	EFF	COUNT	FWHM	DRIFT	DAYS	ANAL-		
AMPLE ID	TEST FIX	CLIENT SAMPLE ID	pCi/L	L	FAC	TION	%	%	min	keV	KeV	HELD	PREPARED	YZED	DETECTOR
Separation batch 7243-165 2σ prep error 14.8 % Reference Lab Notebook No. 7243, pg.165															
13075-01		B243V4	0.516	0.130			48		100			9	03/18/10	03/18	SS-051
13075-02		B243V5	0.291	0.200			56		100			9	03/18/10	03/18	SS-052
13075-03		B243V6	0.336	0.200			48		100			9	03/18/10	03/18	SS-053
13075-04		Lab Control Sample	0.434	0.130			59		102				03/18/10	03/18	SS-055
13075-05		Method Blank	<u>1.05</u>	0.130			59		103				03/18/10	03/23	SS-028
13075-06		Duplicate (S003075-01)	0.535	0.130			55		102			9	03/18/10	03/18	SS-057

Final values and limits from method 1.00 0.130 30-110 100 180

PROCEDURES	REFERENCE	NP237_LLE_PLATE_AEA
	SPP-062	Sample Aliquoting, rev 1
	CP-930	Neptunium from Solids and Water by Extraction Chromatography, rev 5
	CP-008	Heavy Element Electroplating, rev 13

AVERAGES ± 2 SD	MDA	<u>0.527</u> ± <u>0.547</u>
FOR 6 SAMPLES	YIELD	<u>54</u> ± <u>10</u>

METHOD SUMMARIES  
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 SUMMARY DATA SECTION  
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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H4180

SDG 7795  
Contact N. Joseph Verville

REPORT GUIDE

Client CHPRC  
Contract No. 33677  
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SAMPLE SUMMARY

The Sample and QC Summary Reports show all samples, including QC samples, reported in one Sample Delivery Group (SDG).

The Sample Summary Report fully identifies client samples and gives the corresponding lab sample identification. The QC Summary Report shows at the sample level how the lab organized the samples into batches and generated QC samples. The Preparation Batch and Method Summary Reports show this at the analysis level.

The following notes apply to these reports:

- \* LAB SAMPLE ID is the lab's primary identification for a sample.
- \* DEPARTMENT SAMPLE ID is an alternate lab id, for example one assigned by a radiochemistry department in a lab.
- \* CLIENT SAMPLE ID is the client's primary identification for a sample. It includes any sample preparation done by the client that is necessary to identify the sample.
- \* QC BATCH is a lab assigned code that groups samples to be processed and QCed together. These samples should have similar matrices.

QC BATCH is not necessarily the same as SDG, which reflects samples received and reported together.

- \* All Lab Control Samples, Method Blanks, Duplicates and Matrix Spikes are shown that QC any of the samples. Due to possible reanalyses, not all results for all these QC samples may be relevant to the SDG. The Lab Control Sample, Method Blank, Duplicate, Matrix Spike and Method Summary Reports detail these relationships.

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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H4180

SDG 7795  
Contact N. Joseph Verville

REPORT GUIDE

Client CHPRC  
Contract No. 33677  
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PREPARATION BATCH SUMMARY

The Preparation Batch Summary Report shows all preparation batches in one Sample Delivery Group (SDG) with information necessary to check the completeness and consistency of the SDG.

The following notes apply to this report:

- \* The preparation batches are shown in the same order as the Method Summary Reports are printed.
- \* Only analyses of planchets relevant to the SDG are included.
- \* Each preparation batch should have at least one Method Blank and LCS in it to validate client sample results.
- \* The QUALIFIERS shown are all qualifiers other than U, J, B, L and H that occur on any analysis in the preparation batch. The Method Summary Report has these qualifiers on a per sample basis.

These qualifiers should be reviewed as follows:

- X Some data has been manually entered or modified. Transcription errors are possible.
- P One or more results are 'preliminary'. The data is not ready for final reporting.
- 2 There were two or more results for one analyte on one planchet imported at one time. The results in DVD may not be the same as on the raw data sheets.

Other lab defined qualifiers may occur. In general, these should be addressed in the SDG narrative.

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SUMMARY DATA SECTION

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**EBERLINE SERVICES / RICHMOND**

SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

**REPORT GUIDE**

Client CHPRC  
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 Case no SDG H4180

**WORK SUMMARY**

The Work Summary Report shows all samples, including QC samples, and all relevant analyses in one Sample Delivery Group (SDG). This report is often useful as supporting documentation for an invoice.

The following notes apply to this report:

- \* TEST is a code for the method used to measure associated analytes. Results and related information for each analyte are on the Data Sheet Report. In special cases, a test code used in the summary data section is not the same as in associated raw data. In this case, both codes are shown on the Work Summary.
- \* SUFFIX is the lab's code to distinguish multiple analyses (recounts, reworks, reanalyses) of a fraction of the sample. The suffix indicates which result is being reported. An empty suffix normally identifies the first attempt to analyze the sample.
- \* The LAB SAMPLE ID, TEST and SUFFIX uniquely identify all supporting data for a result. The Method Summary Report for each TEST has method performance data, such as yield, for each lab sample id and suffix and procedures used in the method.
- \* PLANCHET is an alternate lab identifier for work done for one test. It, combined with the TEST and SUFFIX, may be the best link to raw data.
- \* For QC samples, only analyses that directly QC some regular sample are shown. The Lab Control Sample, Method Blank, Duplicate, Matrix Spike and Method Summary Reports detail these relationships.
- \* The SAS (Special Analytical Services) Number is a client or lab assigned code that reflects special processing for samples, such as rapid turn around. Counts of tests done are lists by SAS number since it is likely to affect prices.

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**SUMMARY DATA SECTION**

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SAMPLE DELIVERY GROUP H4180

REPORT GUIDE

SDG 7795  
Contact N. Joseph Verville

Client CHPRC  
Contract No. 33677  
Case no SDG H4180

DATA SHEET

The Data Sheet Report shows all results and primary supporting information for one client sample or Method Blank. This report corresponds to both the CLP Inorganics and Organics Data Sheet.

The following notes apply to this report:

- \* TEST is a code for the method used to measure an analyte. If the TEST is empty, no data is available; the analyte was not analyzed for.
- \* The LAB SAMPLE ID and TEST uniquely identify work within the Summary Data Section of a Data Package. The Work Summary and Method Summary Reports further identify raw data that underlies this work.

The Method Summary Report for each TEST has method performance data, such as yield, for each Lab Sample ID and a list of procedures used in the method.

- \* ERRORS can be labeled TOTAL or COUNT. TOTAL implies a preparation (non-counting method) error has been added, as square root of sum of squares, to the counting error denoted by COUNT. The preparation errors, which may vary by preparation batch, are shown on the Method Summary Report.
- \* A RESULT can be 'N.R.' (Not Reported). This means the lab did this work but chooses not to report it now, possibly because it was reported at another time.
- \* When reporting a Method Blank, a RESULT can be 'N.A.' (Not Applicable). This means there is no reported client sample work in the same preparation batch as the Blank's result. This is likely to occur when the Method Blank is associated with reanalyses of selected work for a few samples in the SDG.

The following qualifiers are defined by the DVD system:

- U The RESULT is less than the MDA (Minimum Detectable Activity).

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SUMMARY DATA SECTION

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Lab id EBRLNE  
Protocol CHPRC  
Version Ver 1.0  
Form DVD-RG  
Version 3.06  
Report date 03/24/10

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

Client CHPRC  
 Contract No. 33677  
 Case no SDG H4180

GUIDE , cont .

DATA SHEET

If the MDA is blank, the ERROR is used as the limit.

- J The RESULT is less than the RDL (Required Detection Limit) and no U qualifier is assigned.
- B A Method Blank associated with this sample had a result without a U flag and, after correcting for possibly different aliquots, that result is greater than or equal to the MDA for this sample.  
  
 Normally, B is not assigned if U is. When method blank subtraction is shown on this report, B flags are assigned based on the unsubtracted values while U's are assigned based on the subtracted ones. Both flags can be assigned in this case.  
  
 For each sample result, all Method Blank results in the same preparation batch are compared. The Method Summary Report documents this and other QC relationships.
- L Some Lab Control Sample that QC's this sample had a low recovery. The lab can disable assignment of this qualifier.
- H Similar to 'L' except the recovery was high.
- P The RESULT is 'preliminary'.
- X Some data necessary to compute the RESULT, ERROR or MDA was manually entered or modified.
- 2 There were two or more results available for this analyte. The reported result may not be the same as in the raw data.

Other qualifiers are lab defined. Definitions should be in the SDG narrative.

The following values are underlined to indicate possible problems:

- \* An MDA is underlined if it is bigger than its RDL.

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SAMPLE DELIVERY GROUP H4180

SDG 7795  
 Contact N. Joseph Verville

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GUIDE, cont.

DATA SHEET

- \* An ERROR is underlined if the 1.645 sigma counting error is bigger than both the MDA and the RESULT, implying that the MDA may not be a good estimate of the 'real' minimum detectable activity.
- \* A negative RESULT is underlined if it is less than the negative of its 2 sigma counting ERROR.
- \* When reporting a Method Blank, a RESULT is underlined if greater than its MDA. If the MDA is blank, the 2 sigma counting error is used in the comparison.

REPORT GUIDES

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SUMMARY DATA SECTION

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 Contact N. Joseph Verville

REPORT GUIDE

Client CHPRC  
 Contract No. 33677  
 Case no SDG\_H4180

LAB CONTROL SAMPLE

The Lab Control Sample Report shows all results, recoveries and primary supporting information for one Lab Control Sample.

The following notes apply to this report:

- \* All fields in common with the Data Sheet Report have similar usage. Refer to its Report Guide for details.
- \* An amount ADDED is the lab's value for the actual amount spiked into this sample with its ERROR an estimate of the error of this amount.

An amount added is underlined if its ratio to the corresponding RDL is outside protocol specified limits.

- \* REC (Recovery) is RESULT divided by ADDED expressed as a percent.
- \* The first, computed limits for the recovery reflect:
  1. The error of RESULT, including that introduced by rounding the result prior to printing.
 

If the limits are labeled (TOTAL), they include preparation error in the result. If labeled (COUNT), they do not.
  2. The error of ADDED.
  3. A lab specified, per analyte bias. The bias changes the center of the computed limits.
- \* The second limits are protocol defined upper and lower QC limits for the recovery.
- \* The recovery is underlined if it is outside either of these ranges.

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 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-RG  
 Version 3.06  
 Report date 03/24/10

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SDG 7795  
 Contact N. Joseph Verville

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Client CHPRC  
 Contract No. 33677  
 Case no SDG H4180

DUPLICATE

The Duplicate Report shows all results, differences and primary supporting information for one Duplicate and associated Original sample.

The following notes apply to this report:

- \* All fields in common with the Data Sheet Report have similar usage. This applies both to the Duplicate and Original sample data. Refer to the Data Sheet Report Guide for details.

If the Duplicate has data for a TEST and the lab did not do this test to the Original, the Original's RESULTS are underlined.

- \* The RPD (Relative Percent Difference) is the absolute value of the difference of the RESULTS divided by their average expressed as a percent.

If both RESULTS are less than their MDAs, no RPD is computed and a '-' is printed.

For an analyte, if the lab did work for both samples but has data for only one, the MDA from the sample with data is used as the other's result in the RPD.

- \* The first, computed limit is the sum, as square root of sum of squares, of the errors of the results divided by the average result as a percent, hence the relative error of the difference rather than the error of the relative difference. The errors include those introduced by rounding the RESULTS prior to printing.

If this limit is labeled TOT, it includes the preparation error in the RESULTS. If labeled CNT, it does not.

This value reported for this limit is at most 999.

- \* The second limit for the RPD is the larger of:

1. A fixed percentage specified in the protocol.

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GUIDE, cont.

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DUPLICATE

2. A protocol factor (typically 2) times the average MDA as a percent of the average result. This limit applies when the results are close to the MDAs.

- \* The RPD is underlined if it is greater than either limit.
- \* If specified by the lab, the second limit column is replaced by the Difference Error Ratio (DER), which is the absolute value of the difference of the results divided by the quadratic sum of their one sigma errors, the same errors as used in the first limit.

Except for differences due to rounding, the DER is the same as the RPD divided by the first RPD limit with the limit scaled to 1 sigma.

- \* The DER is underlined if it is greater than the sigma factor, typically 2 or 3, shown in the header for the first RPD limit.

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REPORT GUIDE

MATRIX SPIKE

The Matrix Spike Report shows all results, recoveries and primary supporting information for one Matrix Spike and associated Original sample.

The following notes apply to this report:

- \* All fields in common with the Data Sheet Report have similar usage. This applies both to the Spiked and Original sample data. Refer to the Data Sheet Report Guide for details.

If the Spike has data for a TEST and the lab did not do this test to the Original, the Original's RESULTS are underlined.

- \* An amount ADDED is the lab's value for the actual amount spiked into the Spike sample with its ERROR an estimate of the error of this amount.

An amount is underlined if its ratio to the corresponding RDL is outside protocol specified limits.

- \* REC (Recovery) is the Spike RESULT minus the Original RESULT divided by ADDED expressed as a percent.

- \* The first, computed limits for the recovery reflect:

1. The errors of the two RESULTS, including those introduced by rounding them prior to printing.

If the limits are labeled (TOTAL), they include preparation error in the result. If labeled (COUNT), they do not.

2. The error of ADDED.
3. A lab specified, per analyte bias. The bias changes the center of the computed limits.

- \* The second limits are protocol defined upper and lower QC limits

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Client CHPRC  
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MATRIX SPIKE

for the recovery.

These limits are left blank if the Original RESULT is more than a protocol defined factor (typically 4) times ADDED. This is a way of accounting for that when the spike is small compared to the amount in the original sample, the recovery is unreliable.

\* The recovery is underlined (out of spec) if it is outside either of these ranges.

Lab id EBRLNE  
 Protocol CHPRC  
 Version Ver 1.0  
 Form DVD-RG  
 Version 3.06  
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METHOD SUMMARY

The Method Summary Report has two tables. One shows up to five results measured using one method. The other has performance data for the method. There is one report for each TEST, as used on the Data Sheet Report.

The following notes apply to this report:

- \* Each table is subdivided into sections, one for each preparation batch. A preparation batch is a group of aliquots prepared at roughly the same time in one work area of the lab using the same method.

There should be Lab Control Sample and Method Blank results in each preparation batch since this close correspondence makes the QC meaningful. Depending on lab policy, Duplicates need not occur in each batch since they QC sample dependencies such as matrix effects.

- \* The RAW TEST column shows the test code used in the raw data to identify a particular analysis if it is different than the test code in the header of the report. This occurs in special cases due to method specific details about how the lab labels work.

The Lab Sample or Planchet ID combined with the (Raw) Test Code and Suffix uniquely identify the raw data for each analysis.

- \* If a result is less than both its MDA and RDL, it is replaced by just 'U' on this report. If it is greater than or equal to the RDL but less than the MDA, the result is shown with a 'U' flag.

The J and X flags are as on the data sheet.

- \* Non-U results for Method Blanks are underlined to indicate possible contamination of other samples in the preparation batch. The Method Blank Report has supporting data.
- \* Lab Control Sample and Matrix Spike results are shown as: ok, No data, LOW or HIGH, with the last two underlined. 'No data'

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METHOD SUMMARY

means no amount ADDED was specified. 'LOW' and 'HIGH' correspond to when the recovery is underlined on the Lab Control Sample or Matrix Spike Report. See these reports for supporting data.

- \* Duplicate sample results are shown as: ok, No data, or OUT, with the last two underlined. 'No data' means there was no original sample data found for this duplicate. 'OUT' corresponds to when the RPD is underlined on the Duplicate Report. See this report for supporting data.
  - \* If the MDA column is labeled 'MAX MDA', there was more than one result measured by the reported method and the MDA shown is the largest MDA. If not all these results have the same RDL, the MAX MDA reflects only those results with RDL equal to the smallest one.
- MDAs are underlined if greater than the printed RDL.
- \* Aliquots are underlined if less than the nominal value specified for the method.
  - \* Preparation factors are underlined if greater than the nominal value specified for the method.
  - \* Dilution factors are underlined if greater than the nominal value specified for the method.
  - \* Residues are underlined if outside the range specified for the method. Residues are not printed if yields are.
  - \* Yields, which may be gravimetric, radiometric or some type of recovery depending on the method, are underlined if outside the range specified for the method.
  - \* Efficiencies are underlined if outside the range specified for the method. Efficiencies are detector and geometry dependent so this test is only approximate.

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SUMMARY DATA SECTION

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METHOD SUMMARY

- \* Count times are underlined if less than the nominal value specified for the method.
- \* Resolutions (as FWHM; Full Width at Half Max) are underlined if greater than the method specified limit.
- \* Tracer drifts are underlined if their absolute values are greater than the method specified limit. Tracer drifts are not printed if percent moistures are.
- \* Days Held are underlined if greater than the holding time specified in the protocol.
- \* Analysis dates are underlined if before their planchet's preparation date or, if a limit is specified, too far after it.

For some methods, ratios as percentages and error estimates for them are computed for pairs of results. A ratio column header like '1+3' means the ratio of the first result column and the third result column.

Ratios are not computed for Lab Control Sample, Method Blank or Matrix Spike results since their matrices are not necessarily similar to client samples'.

The error estimate for a ratio of results from one planchet reflects only counting errors since other errors should be correlated. For a ratio involving different planchets, if QC limits are computed based on total errors, the error for the ratio allows for the preparation errors for the planchets.

The ratio is underlined (out of spec) if the absolute value of its difference from the nominal value is greater than its error estimate. If no nominal value is specified, this test is not done.

For Gross Alpha or Gross Beta results, there may be a column showing the sum of other Alpha or Beta emitters. This sum includes all relevant

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METHOD SUMMARY

results in the DVD database, whether reported or not. Results in the sum are weighted by a particles/decay value specified by the lab for each relevant analyte. Results less than their MDA are not included. No sums are computed for Lab Control, Method Blank or Matrix Spike samples since their various planchets may not be physically related.

If a ratio of total isotopic to Gross Alpha or Beta is shown, the error for the ratio reflects both the error in the Gross result and the sum, as square root of sum of squares, of the errors in the isotopic results.

For total elemental uranium or thorium results, there may be a column showing the total weight computed from associated isotopic results. Ignoring results less than their MDAs, this is a weighted sum of the isotopic results. The weights depend on the molecular weight and half-life of each isotope so as to convert activities (decays) to weight (atoms).

If a ratio of total computed to measured elemental uranium or thorium is shown, the error for the ratio reflects the errors in all the measurements.

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fk 3/11/10



# RICHMOND, CA LABORATORY

## SAMPLE RECEIPT CHECKLIST

Client: CHPRC City MCHLAND State WA

Date/Time received 03/11/10 0935 CoC No. F10-119-013, 016, 018

Container I.D. No. GWS-2009 Requested TAT (Days) 15 P.O. Received Yes [ ] No [ ]

### INSPECTION

- 1. Custody seals on shipping container intact? Yes [] No [ ] N/A [ ]
- 2. Custody seals on shipping container dated & signed? Yes [] No [ ] N/A [ ]
- 3. Custody seals on sample containers intact? Yes [] No [ ] N/A [ ]
- 4. Custody seals on sample containers dated & signed? Yes [] No [ ] N/A [ ]
- 5. Packing material is: Wet [ ] Dry []
- 6. Number of samples in shipping container: 3 Sample Matrix W
- 7. Number of containers per sample: 1 (Or see CoC         )
- 8. Samples are in correct container Yes [] No [ ]
- 9. Paperwork agrees with samples? Yes [] No [ ]
- 10. Samples have: Tape [ ] Hazard labels [ ] Rad labels [ ] Appropriate sample labels []
- 11. Samples are: In good condition [] Leaking [ ] Broken Container [ ] Missing [ ]
- 12. Samples are: Preserved [] Not preserved [ ] pH 1 Preservative HNO3
- 13. Describe any anomalies:   
\_\_\_\_\_

14. Was P.M. notified of any anomalies? Yes [ ] No [ ] Date \_\_\_\_\_

15. Inspected by [Signature] Date: 03/11/10 Time: 1050

Customer Sample No.	Beta/Gamma cpm	Ion Chamber mR/hr	Wipe	Customer Sample No.	Beta/Gamma cpm	Ion Chamber mR/hr	wipe
<u>All stamp 433</u>	<u>260</u>						

Ion Chamber Ser. No. \_\_\_\_\_ Calibration date \_\_\_\_\_  
 Alpha Meter Ser. No. \_\_\_\_\_ Calibration date \_\_\_\_\_  
 Beta/Gamma Meter Ser. No. 10048 V Calibration date 05 AUG 09

<b>COLLECTOR</b> Scales	<b>COMPANY CONTACT</b> BAMBERGER, MA H4180	<b>TELEPHONE NO.</b> 373-0880 (7795)	<b>PROJECT COORDINATOR</b> WIDRIG, DL	<b>PRICE CODE</b> 7C	<b>DATA TURNAROUND</b> 15 Days / 15 Days
<b>SAMPLING LOCATION</b> 216-S-16 Pond; CS727 FTB	<b>PROJECT DESIGNATION</b> 200-CW-1 Model Group 5 Sampling - Large Area Ponds - QC		<b>SAF NO.</b> F10-119	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b> GWS-2009	<b>FIELD LOGBOOK NO.</b> Pg 66 HNF-W-507-5	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>COA</b> 302427ES10	<b>METHOD OF SHIPMENT</b> FEDERAL EXPRESS	
<b>SHIPPED TO</b> Eberline Services	<b>OFFSITE PROPERTY NO.</b> SEE PTR 00899	<b>BILL OF LADING/AIR BILL NO.</b> SEE PTR 7984 6215 3850			

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	<b>PRESERVATION</b>	HNO3 to pH <2																	
		<b>TYPE OF CONTAINER</b>	G/P																	
		<b>NO. OF CONTAINER(S)</b>	1																	
		<b>VOLUME</b>	250mL																	
	<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Neptunium-237;																	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B243V4	WATER	3/9/10	0745	✓															

CHAIN OF POSSESSION	SIGN/ PRINT NAMES
RELINQUISHED BY/REMOVED FROM J. Scales	RECEIVED BY/STORED IN SSU #1
DATE/TIME 3/9/10 1400	DATE/TIME 3/9/10 1400
RELINQUISHED BY/REMOVED FROM SSU-1	RECEIVED BY/STORED IN R.D. Julia
DATE/TIME 3-10-10 0800	DATE/TIME 3-10-10 0800
RELINQUISHED BY/REMOVED FROM R.D. Julia	RECEIVED BY/STORED IN Fed Ex
DATE/TIME 3-10-10 1430	DATE/TIME
RELINQUISHED BY/REMOVED FROM Fed Ex	RECEIVED BY/STORED IN P.F. MATTHEW
DATE/TIME	DATE/TIME 03/11/10 0925
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME

**SPECIAL INSTRUCTIONS**  
 \*\* The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

**ORIGINAL**

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

<b>COLLECTOR</b> McIntyre		<b>COMPANY CONTACT</b> BAMBERGER, MA H4180		<b>TELEPHONE NO.</b> 373-0880 (7795)		<b>PROJECT COORDINATOR</b> WIDRIG, DL		<b>PRICE CODE</b> 7C		<b>DATA TURNAROUND</b> 15 Days / 15 Days	
<b>SAMPLING LOCATION</b> 216-S-17 pond; C5758 EB		<b>PROJECT DESIGNATION</b> 200-CW-1 Model Group 5 Sampling - Large Area Ponds - QC				<b>SAF NO.</b> F10-119		<b>AIR QUALITY</b> <input type="checkbox"/>			
<b>ICE CHEST NO.</b> W. 3/10/10 GWS-092 GWS-2009		<b>FIELD LOGBOOK NO.</b> PS 66 HNF-N-507-5		<b>ACTUAL SAMPLE DEPTH</b> NA		<b>COA</b> 302427ES10		<b>METHOD OF SHIPMENT</b> FEDERAL EXPRESS			
<b>SHIPPED TO</b> Eberline Services		<b>OFFSITE PROPERTY NO.</b> SEE PTR 00899				<b>BILL OF LADING/AIR BILL NO.</b> SEE PTR 7984 6215 3830					

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	<b>PRESERVATION</b>		HNO3 to pH <2																			
		<b>TYPE OF CONTAINER</b>		G/P																			
		<b>NO. OF CONTAINER(S)</b>		1																			
		<b>VOLUME</b>		250mL																			
<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Neptunium-237;																			

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																			
B243V5	WATER	3/9/10	0948	✓																		

CHAIN OF POSSESSION	SIGN/ PRINT NAMES
RELINQUISHED BY/REMOVED FROM AR McIntyre	RECEIVED BY/STORED IN SSU #1
DATE/TIME 3/9/10 1400	DATE/TIME 3/9/10 1400
RELINQUISHED BY/REMOVED FROM SSU-1	RECEIVED BY/STORED IN RD Julia
DATE/TIME 3-10-10 0800	DATE/TIME 3-10-10 0800
RELINQUISHED BY/REMOVED FROM R. Pollock	RECEIVED BY/STORED IN Fed EX
DATE/TIME 3-10-10 1430	DATE/TIME
RELINQUISHED BY/REMOVED FROM Fed EX	RECEIVED BY/STORED IN RF WATKINS
DATE/TIME	DATE/TIME 03/11/10 0935
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN
DATE/TIME	DATE/TIME

**SPECIAL INSTRUCTIONS**  
 \*\* The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

 ORIGINAL

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

<b>COLLECTOR</b> McIntyre	<b>COMPANY CONTACT</b> BAMBERGER, MA H4180	<b>TELEPHONE NO.</b> 373-0880 (7795)	<b>PROJECT COORDINATOR</b> WIDRIG, DL	<b>PRICE CODE</b> 7C	<b>DATA TURNAROUND</b> 15 Days / 15 Days
<b>SAMPLING LOCATION</b> 216-S-17 pond; C5758 FTB	<b>PROJECT DESIGNATION</b> 200-CW-1 Model Group 5 Sampling - Large Area Ponds - QC		<b>SAF NO.</b> F10-119	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b> 605 070 GWS-2009	<b>FIELD LOGBOOK NO.</b> HNF-N-507-5 P560	<b>ACTUAL SAMPLE DEPTH</b> N/A	<b>COA</b> 302427ES10	<b>METHOD OF SHIPMENT</b> FEDERAL EXPRESS	
<b>SHIPPED TO</b> Eberline Services	<b>OFFSITE PROPERTY NO.</b> SEE PTR 00899	<b>BILL OF LADING/AIR BILL NO.</b> SEE PTR 7984 6215 3850			

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	<b>PRESERVATION</b> HNO3 to pH <2																		
		<b>TYPE OF CONTAINER</b>	G/P																	
		<b>NO. OF CONTAINER(S)</b>	1																	
		<b>VOLUME</b>	250mL																	
	<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Neptunium-237;																	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B243V6	WATER	3/9/10	0940	✓															

<b>CHAIN OF POSSESSION</b>	<b>SIGN/ PRINT NAMES</b>	<b>SPECIAL INSTRUCTIONS</b>
RELINQUISHED BY/REMOVED FROM ARMS McIntyre	DATE/TIME 3/9/10 1400	RECEIVED BY/STORED IN SSU #1
RELINQUISHED BY/REMOVED FROM SSU-1	DATE/TIME 3-10-10 0800	RECEIVED BY/STORED IN R. D. Johnson
RELINQUISHED BY/REMOVED FROM R. D. Johnson	DATE/TIME 3-10-10 1430	RECEIVED BY/STORED IN Fed Ex
RELINQUISHED BY/REMOVED FROM Fed Ex	DATE/TIME 03/11/10 0935	RECEIVED BY/STORED IN F. B. ...
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN

\*\* The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

**ORIGINAL**

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