Frontier Geosciences Inc.
Environmental Research & Specialty Analytical Laboratory
414 Pontius Ave N · Seattle WA 98109

June 12, 2002

Paul Schlenger
Anchor Environmental
1411 4th Avenue, Suite 1210
Seattle, WA 98101

Re: G-P Log Pond year 2 Cap Monitoring

Dear Mr. Schlenger,

Following is a high QA report for total mercury and total suspended solids in water samples collected for the GP Log Pond Project May 15, 2002. Samples were analyzed using high level (CLP-style) QA determination. Please feel free to contact me should you have any questions or concerns regarding this report.

Best Wishes,

Lucas Hawkins

Lucas Hawkins
Project Manager

206 622 6960
fax 206 622 6870
email: info@Frontier.WA.com
www.FrontierGeosciences.com

Total Hg Total Suspended Solids in Water
Anchor Environmental - GP Log Pond Year 2 Cap Monitoring

TABLE OF CONTENTS

Description	Pages
Table of contents	1
Results summary	2
QC summary – Water Blanks and CRMs	3
QC summary – Water Matrix Replicates	4
QC Summary – Water Matrix Spikes	5
Case narrative	6-8
Chain of custody	9
Raw data: TSS-020524-1	10-12
Raw data: THG11-020528-1	13-18

Total Mercury in Water-GP Log Pond
(Anchor Environmental c/o Kim Magruder)

analyzed by:
Frontier Geosciences, Inc.
414 Pontius Avenue North, Seattle, WA 98109
phone: (206) 622-6960 fax: (206) 622-6870

Total mercury analyzed: May 28, 2002 (THG11-020528-1)
Total suspended solids analyzed: May 24, 2002 (TSS-020524-1)

Sample Identification	Date Collected	Total Hg, ng/L*	TSS mg/L
WP-1D	5/15/2002	72.1	N/R
WP-1T	5/15/2002	155	N/R
WP-1	5/15/2002	N/R	14.5
WP-2D	5/15/2002	2.59	N/R
WP-2T	5/15/2002	31.3	N/R
WP-2	5/15/2002	N/R	18.2
FD-99	5/15/2002	1.52	N/R

*Blank and dilution corrected

N/R-Analysis not requested

Total Mercury in Water-GP Log Pond
(Anchor Environmental c/o Kim Magruder)

analyzed by:
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phone: (206) 622-6960 fax: (206) 622-6870

Total mercury analyzed: May 28, 2002 (THG11-020528-1)
Total suspended solids analyzed: May 24, 2002 (TSS-020524-1)

Sample Identification	Date Collected	Total Hg, ng/L	TSS mg/L
Method blanks			
Blank-1		0.05	0.143
Blank-2		0.05	0.286
Blank-3		0.03	0.286
Mean		**0.04**	**0.24**
Estimated MDL		**0.03**	**0.25**
Method MDL		**0.20**	**0.5**
Standard Reference Materials			
NIST 1641d		1,478	
recovery		**93.0%**	
reference value		1,590	

Total Mercury in Water-GP Log Pond
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phone: (206) 622-6960 fax: (206) 622-6870

Total mercury analyzed: May 28, 2002 (THG11-020528-1)
Total suspended solids analyzed: May 24, 2002 (TSS-020524-1)

Sample Identification	Date Collected	Total Hg, ng/L*	TSS mg/L
Analytical Replicates			
WP-1T	5/15/2002	154.6	14.5
WP-1T MD	5/15/2002	151.4	15.0
Mean		**153.0**	**14.8**
RPD		**2.1%**	**3.4%**

*Blank and dilution corrected

Total Mercury in Water-GP Log Pond
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analyzed by:
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phone: (206) 622-6960 fax: (206) 622-6870

Total mercury analyzed: May 28, 2002 (THG11-020528-1)
Total suspended solids analyzed: May 24, 2002 (TSS-020524-1)

Sample Identification	Date Collected	Total Hg, ng/L*	TSS mg/L
Matrix spikes			
WP-1T MS	5/15/2002	559.8	
spiking level		408.2	
net		406.7	
recovery		**99.6%**	
WP-1T MSD	5/15/2002	553.3	
spiking level		408.2	
net		400.2	
recovery		**98.0%**	

*Blank and dilution corrected

Total Hg Total Suspended Solids in Water
Anchor Environmental - GP Log Pond Year 2 Cap Monitoring

June 12, 2002

Frontier Geosciences Inc.
414 Pontius North
Seattle, WA 98109

1. Scope of Work

Seven (7) water samples were submitted for total mercury and total suspended solids analysis May 16, 2002. Samples were analyzed using high level (CLP-style) QA determination.

2. Sample Receipt

A total of 7 water samples were received for total mercury and total suspended solids analysis May 16, 2002. All samples listed on the chain of custody were accounted for and received in good condition. Following receipt, the water samples designated for total mercury analysis were preserved with 1-2% (v/v) 0.2N BrCl depending on a visual inspection of sample turbidity. The samples were then placed in secure storage until sample analysis could occur. Samples designated for total suspended solids analysis were placed directly into refrigerated storage until sample preparation could occur.

3. Analysis

General. All samples were received and logged in according to FGS protocols on the day of receipt. All samples identified on chain of custody forms were received in good condition. Samples were processed using ultra-clean sample handling techniques in a laboratory known to be low in atmospheric Hg. Reagents, gases, and DI water are all reagent or ultra-pure grade, and are analyzed prior to use for Hg to ensure negligible blanks. All Hg analyses were performed using cold vapor atomic fluorescence spectrometry (CVAFS) detection (Bloom and Fitzgerald, 1988), with dual pen chart recorders or integrators as output devices. Total Hg (THg) standards are prepared by direct dilution of NIST certified NBS-3133 10.00 mg/ml Hg standard solution, and concentrations are independently verified by the analysis of NIST-1641d (certified water CRM; 1,590 ± 18 μg/L THg).

All daily analytical runs for mercury were begun with a 5-point standard curve, spanning two orders of magnitude, with additional standards run every 10 samples. The daily standard curve was calculated using the initial standards (blank corrected) of the day, using linear regression, forced through zero (Excel 97). All raw data and calculations have been supplied with this data package. Calculations were made using Excel spreadsheets, which illustrate each step.

For each sample set (or 20 samples), at least one matrix replicate, two matrix spikes, and at least two method blanks were co-processed, and analyzed exactly as the ordinary samples.

Total Suspended Solids.

Samples were prepared for total suspended solids in accordance with Frontier SOP FGS-016. After shaking the sample vigorously to assure homogenization, a known aliquot of sample was processed through a pre-weighed 0.45-µm polycarbonate membrane filter. The filters were dried in an oven at 55 °C for at least 12 hours, allowed to return to room temperature and weighed. Net total suspended solids concentrations were calculated using the following equation where $\mathbf{F_S}$ is the weight of the oven-dried filter and sample, $\mathbf{F_I}$ is the initial weight of the filter, and **V** is the volume of sampled passed through the filter.

$$(\mathbf{F_S} - \mathbf{F_I})/\mathbf{V}$$

Total Hg analysis.

For water samples, 0.2 N BrCl in 11.6 N HCl was added to the sample in the original bottle at a level of 1-2 ml per 100 ml of sample. The samples were then allowed to digest overnight at room temperature according to the protocols listed in FGS-012.

Digests were analyzed for total Hg in accordance with the Frontier SOP FGS-069. Aliquots of each digest were reduced in pre-purged DDW, first with NH_2OH to destroy free halogens, and then to Hg^0 with $SnCl_2$. The Hg^0 is then purged onto gold traps as a pre-concentration step. The Hg contained on the gold traps was then analyzed by thermal desorption into a cold vapor atomic fluorescence detector (CVAFS), using the dual amalgamation technique. Peak areas are accessed either by integrator or dual-pen strip chart recorder, and recorded on bench sheets in peak area or peak height units to the nearest 0.2 unit. Net THg concentrations were calculated according to the following formula, where **PH** is the chart recorder peak area or height, **bb** is the mean bubbler blank, **V** is the digest volume, **B** is the mean BrCl method blank (ng/L), **x** is the BrCl preservation level (1 for 1% BrCl, 2 for 2% BrCl, etc.), **S** is the calibration curve slope in units/ng, for the set of samples, and FD is the dilution correction factor, calculated:

$$[THg]\ (ng/L) = \frac{([(PH\text{-}bb/S)/(V)] - Bx)}{F_D}$$

Net total Hg results are corrected for the dilution resulting from the addition of BrCl. For samples preserved with 3% BrCl, F_D is approximately equal to 0.97.

4. Analytical Issues

No analytical problems were associated with the analysis of these samples. All QC samples were well within Frontier QC acceptance guidelines.

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Chain-of-Custody Record & Laboratory Analysis Request

Date: May 16, 02 Page: 1 of 1

Client Company: Anchor Environmental
Address: 1411 4th Ave, Suite 1210 Seattle, WA 98101
CONTACT: Paul Schlenger
Phone: 206-287-9130 Fax: 206-287-9131
Email: pschlenger@anchorenv.com
Project Name: GP Log Pond Year 2 Cap Monitoring
Contract/PO #:

Frontier Project Manager: Lucas Hawkins
Guaranteed Turnaround Time: 28 day
Confirmation of Sample Arrival at Frontier: ☐ YES ☐ NO
Quality Assurance Level: ☐ Standard ☑ High
Disposal*: ☑ Frontier Dispose ☐ Return to Client ☐ Ship to 3rd Party**
*All samples are held for at least 2 months after date of receipt.
Please note that after this time they are disposed of or returned to the client.
Clients may request a longer holding time by writing to the Frontier Project Manager.
**Please discuss this with the Frontier Project Manager.
Carrier Information: FED EX ☐ UPS ☐ Other ☒ Per sonally delivered
Tracking #

Engraved Bottle ID	Sample ID	Matrix[1]	# Bottles	Date/Time Sampled		Collected by	Preservation	Analysis Required/Comments
	WP-1D	BW	1	5/15/02	1258	PS	on ice	dissolved Hg ✱
	WP-1T	BW	1	5/15/02	1248	PS		total Hg
AL-D-2526	WP-1	BW	1	5/15/02	1255	PS		total susp. solids
A	WP-2D	BW	1	5/15/02	1425	PS		dissolved Hg ✱
	WP-2T	BW	1	5/15/02	1413	PS		total Hg
AL-D-2522	WP-2	BW	1	5/15/02	1417	PS		total susp. solids
	FD-99	BW	1	5/15/02	0940	PS		dissolved Hg ✱

✱ Note: dissolved Hg samples have already been filtered using a 0.45 micron membrane filter

Sample Receipt
C.O.C. Seal Intact? ☐ YES ☐ NO ☑ N/A
Cooler Temperature: 3.4 °C
Comments:
VTSR: 11:30

[1]Matrix Codes:
FW = fresh water (salinity < 0.5 ppth)
BW = brackish water
SW = seawater
WW = wastewater
SE = sediment
SO = soil
AT = animal tissue
PT = plant tissue
TR = trap
PP = petroleum product
OT = other

Relinquished by: Ryan Barth	Relinquished by:
Print name: Ryan Barth	Print name:
Company: Anchor	Company:
Date: 5/16/02 Time: 11:30	Date: Time:
Received by: Chr F	Received by: Bryan Fetzer
Print name: Christabel Fowler	Print name: Bryan Fetzer
Company: FGS	Company: FGS
Date: 5-16-02 Time: 1130	Date: 5/16/02 Time: 12:30

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Total Suspended Solids Dataset Cover Page

Dataset ID: **TSS020524-1**

Analyst: CW Christy

Data Analysis: CW Christy

Client/Project Name*
Anchor 5/16/02 and [redacted]
*Clients with name in **bold High QA**

Analytical Issues/explanations:

QUALITY ASSURANCE
PEER-REVIEWED

INITIALS: ga 05-29-02

Printed: 5/29/2002

		Preparation Date:	May 24, 2002	**Batch #:**	1	**Analyst:**	CW Christy	
		Project(s):	Anchor 5/16/02 and ENSR 5/23/02					
Pan ID		**Sample ID**	**Original Filter Wt (mg)**	**Volume Filtered(L)**	**Filter Wt Dry(mg**	**TSS (mg/L)**	**Notes**	
1		PBW 1	15.1	0.700	15.2	0.143		
2		PBW 2	15.2	0.700	15.4	0.286		
3		PBW 3	15.0	0.700	15.2	0.286		
4	Anchor (5/16)	WP-1	15.1	0.200	18.0	14.500	14.75	Mean
5	Anchor (5/16)	WP-1 (MD)	15.2	0.200	18.2	15.000	3.39	%RPD
6	[redacted]	AL-D-2221	15.1	0.200	16.3	6.000		
7	Anchor (5/16)	WP-2	15.0	0.400	22.3	18.250		

0011

	Preparation Date:	5-24-02	Batch #:	1	Analyst:	CW Ohnsly	
	Project(s):	Anchor (5-16-02) [redacted]					
Pan ID	Sample ID	Original Filter Wt (mg)	Volume Filtered(L)	Filter Wt Dry(mg	TSS (mg/L)	Notes	
1	PBW 1	15.1	700 mL	15.2	#DIV/0!		
2	PBW 2	15.2	700	15.4	#DIV/0!		
3	PBW 3	15.0	700	15.2	#DIV/0!		
4	Anchor 516 WP-1	15.1	200	18.0	#DIV/0!		
5	L MD	15.2	200	18.2	#DIV/0!		
6 ~~8~~	Anchor 516 WP-2	15.1	5 24-02 ~~400~~ 200	16.3	#DIV/0!	#DIV/0!	Mean
7 ~~7~~	[redacted] AL-D-2221	15.0	~~200~~ 400	22.3	#DIV/0!	#DIV/0!	%RPD
8					#DIV/0!		
9					#DIV/0!		
10					#DIV/0!	#DIV/0!	Mean
11					#DIV/0!	#DIV/0!	%RPD
12					#DIV/0!		
13					#DIV/0!		
14					#DIV/0!	#DIV/0!	Mean
15					#DIV/0!	#DIV/0!	%RPD
16					#DIV/0!		
17					#DIV/0!		
18					#DIV/0!		
19					#DIV/0!		
20		5-24-02			#DIV/0!	#DIV/0!	Mean
21					#DIV/0!	#DIV/0!	%RPD
22		CW			#DIV/0!		
23					#DIV/0!		
24					#DIV/0!	#DIV/0!	Mean
25					#DIV/0!	#DIV/0!	%RPD
26					#DIV/0!		
27					#DIV/0!		
28					#DIV/0!	#DIV/0!	Mean
29					#DIV/0!	#DIV/0!	%RPD
30					#DIV/0!		
31					#DIV/0!		
32					#DIV/0!		

0012

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Dataset Cover Page

Dataset ID: THG11-020528-1

Analyst: Holsman

Data Analysis: Holsman

Client/Project Name*
[redacted] Anchor (5/16/02)
[redacted]
*Clients with name in **bold** are **High QA**

Analytical Issues/explanations:

All results are bubbler blank corrected, except for samples with ID #'s of: ICB, CCB, or BB.

Samples Q10003 and Q10004FD2 were farther apart than would be expected of field duplicates. Both were rerun to confirm the results, and the PM was notified of the discrepancy (see runs #16-17, 21-22, 49).

QUALITY ASSURANCE
PEER-REVIEWED

INITIALS: JL 5-29-02

Frontier Geosciences

Analysis Datasheet for Total Mercury

FGS Dataset ID: THG11-020528-1

Date of Analysis: May 28,2002
Instrument #: CVAFS-11
Calibration #: 1

Analyst: Holsman
Project(s): [redacted], Anchor (5/16/02)
[redacted]

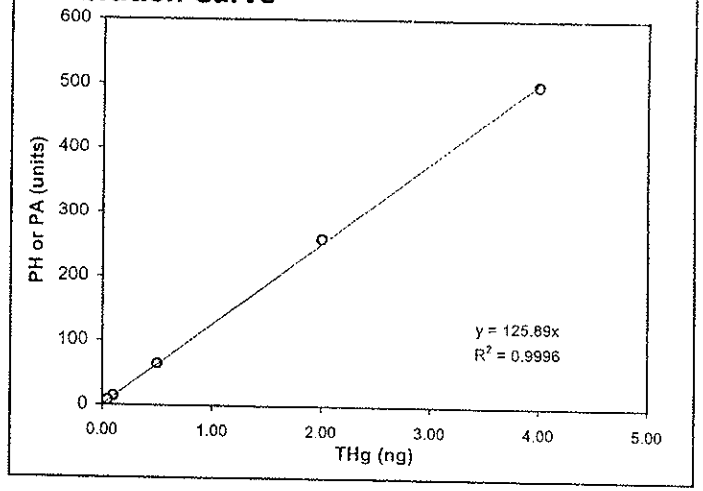
Calibration Statistics:

True Val	PH	PH-BB	Calc Values	
0.10 ng	14.00	13.48	0.107 ng	12.59
0.50 ng	65.10	64.58	0.513 ng	62.95
2.00 ng	260.00	259.48	2.061 ng	251.78
4.00 ng	500.00	499.48	3.968 ng	503.57
0.05 ng	7.60	7.08	0.056 ng	6.29

Slope: 125.9 units/ng
SE: ±4.00

R2: 0.9996
R: 0.9998
Obs: 5

Calibration Curve



Blanks:

PB#	Sample ID	n	Mean	Std Dev	
-	ICB				
-	CCB				
-	BB	6	0.52 units	±0.21	Mean=0.041 ng/L ±0.017
1	PBW	3	0.041 ng/L	±0.009	
2					

Lab Control Samples:

Run#	Sample ID	Conc	Dil Factor	True Val	Rec	
06	ICV/NIST	1478403 ng/L	100000	1590000 ng/L	93.0%	**(NIST 1641d)**

Laboratory Standards

Type	Concentration	ID Number
Calibration	10 ng/mL	**Hg2-15-11**
ICV (NIST 1641d)	1.59 mg/L	**HG2-11-9**
ML, MS/MSD	10 ng/mL	**Hg2-15-11**

ML Spikes:

Matrix	Digestion	ML Conc. (ng/g or ng/L)	True Value (ng/g or ng/L)
Water	BrCl	0.495	0.5 ng/L

0014

File: THg11-020528-1.xls

Data Set	Run	Tp	Bub	Sample ID	Aliquot Volume	PH	%BrCl (Waters)	THg per Aliquot	THg Conc (Gross)	PB #	THg Conc (Net)	Remarks
THG11-020528-1	01	1	1	0.10 ng (Calibration Std.)	100.00 mL	14.0		0.107 ng	1.071 ng/L		1.071 ng/L	
THG11-020528-1	02	2	2	0.50 ng	100.00 mL	65.1		0.513 ng	5.130 ng/L		5.130 ng/L	
THG11-020528-1	03	3	3	2.00 ng	100.00 mL	260.0		2.061 ng	20.612 ng/L		20.612 ng/L	
THG11-020528-1	04	4	4	4.00 ng	100.00 mL	500.0		3.968 ng	39.675 ng/L		39.675 ng/L	
THG11-020528-1	05	5	1	0.05 ng	100.00 mL	7.6		0.056 ng	0.563 ng/L		0.563 ng/L	
THG11-020528-1	06	6	2	ICV/NIST 1641d (15.9 ng/L)	100.00 mL	184.0	2%	1.457 ng	14.575 ng/L	1	14.784 ng/L	93.0 %Rec
THG11-020528-1	07	7	3	ICB/BB	100.00 mL	0.6		0.005 ng	0.048 ng/L		0.048 ng/L	
THG11-020528-1	08	8	4	ML spike	100.00 mL	7.2	1%	0.053 ng	0.531 ng/L	1	0.495 ng/L	
THG11-020528-1	09	9	1	PBW1	100.00 mL	1.1		0.005 ng	0.046 ng/L		0.046 ng/L	
THG11-020528-1	10	10	2	PBW2	100.00 mL	1.1		0.005 ng	0.046 ng/L		0.046 ng/L	
THG11-020528-1	11	1	3	PBW3	100.00 mL	0.9		0.003 ng	0.030 ng/L		0.030 ng/L	
THG11-020528-1	12	2	4	Q10007EB1	100.00 mL	6.9	1%	0.051 ng	0.507 ng/L		0.512 ng/L	[redacted]
THG11-020528-1	13	3	1	Q10008AB	100.00 mL	3.2	1%	0.021 ng	0.213 ng/L		0.215 ng/L	
THG11-020528-1	14	4	2	Q10001	5.00 mL	272.0	3%	2.156 ng	431.294 ng/L		444.233 ng/L	
THG11-020528-1	15	5	3	***Q10002	100.00 mL	592.0	2%	4.698 ng	46.983 ng/L		47.923 ng/L	off curve; see #25 for rerun
THG11-020528-1	16	6	4	Q10003	5.00 mL	186.0	3%	1.473 ng	294.670 ng/L		303.510 ng/L	
THG11-020528-1	17	7	1	***Q10004FD2	5.00 mL	94.0	3%	0.743 ng	148.513 ng/L		152.968 ng/L	sizable difference between FD and original; see #49 for rerun
THG11-020528-1	18	8	2	CCV1 (2.00 ng)	100.00 mL	256.0		2.029 ng	20.294 ng/L		20.294 ng/L	101.5 %Rec
THG11-020528-1	19	9	3	CCB1	100.00 mL	0.6		0.005 ng	0.048 ng/L		0.048 ng/L	
THG11-020528-1	20	10	4	Q10005	50.00 mL	200.0	2%	1.585 ng	31.691 ng/L		32.325 ng/L	
THG11-020528-1	21	1	1	Q10003 - MD	5.00 mL	158.0	3%	1.251 ng	250.187 ng/L		257.693 ng/L	Average=274.1 ng/L for replicates
THG11-020528-1	22	2	2	Q10003 - MT	5.00 mL	160.0	3%	1.267 ng	253.365 ng/L		260.966 ng/L	9.3 %RSD
THG11-020528-1	23	3	3	Q10003 - MS +412.4 ng/L	5.00 mL	400.0	3%	3.173 ng	634.643 ng/L		653.682 ng/L	Net=379.626 ng/L 92.1 %Rec
THG11-020528-1	24	4	4	Q10003 - MSD +412.4 ng/L	5.00 mL	400.0	3%	3.173 ng	634.643 ng/L		653.682 ng/L	Net=379.626 ng/L 92.1 %Rec 0.0 RPD
THG11-020528-1	25	5	1	Q10002	10.00 mL	72.0	2%	0.568 ng	56.781 ng/L		57.917 ng/L	
THG11-020528-1	26	6	2	***Q10005	5.00 mL	22.8	3%	0.177 ng	35.401 ng/L		36.463 ng/L	confirmation of wrong sample
THG11-020528-1	27	7	3	WP-1 D	50.00 mL	446.0	2%	3.539 ng	70.772 ng/L	1	72.105 ng/L	**Anchor (5/16/02)**
THG11-020528-1	28	8	4	WP-1 T	50.00 mL	866.0	2%	6.875 ng	137.496 ng/L	1	140.164 ng/L	off curve; see #33 for rerun
THG11-020528-1	29	9	1	Q10006	0.20 mL	3.0	100%	0.020 ng	98.629 ng/L		197.258 ng/L	
THG11-020528-1	30	10	2	CCV2	100.00 mL	252.0		1.998 ng	19.976 ng/L		19.976 ng/L	99.9 %Rec
THG11-020528-1	31	1	3	CCB2	100.00 mL	0.7		0.006 ng	0.056 ng/L		0.056 ng/L	
THG11-020528-1	32	2	4	WP-2 D	50.00 mL	17.0	2%	0.131 ng	2.619 ng/L	1	2.589 ng/L	
THG11-020528-1	33	3	1	WP-1 T	5.00 mL	96.0	2%	0.758 ng	151.690 ng/L	1	154.642 ng/L	
THG11-020528-1	34	4	2	WP-1 T - MS +408.2 ng/L	5.00 mL	346.0	2%	2.744 ng	548.855 ng/L	1	559.750 ng/L	Net=406.728 ng/L 99.6 %Rec
THG11-020528-1	35	5	3	WP-1 T - MSD +408.2 ng/L	5.00 mL	342.0	2%	2.713 ng	542.500 ng/L	1	553.268 ng/L	Net=400.247 ng/L 98.1 %Rec 1.2 RPD
THG11-020528-1	36	6	4	WP-2 T	5.00 mL	19.9	2%	0.154 ng	30.793 ng/L	1	31.327 ng/L	
THG11-020528-1	37	7	1	WP-1 T - MD	5.00 mL	94.0	2%	0.743 ng	148.513 ng/L	1	151.401 ng/L	Mean=153.022 ng/L 2.1 RPD
THG11-020528-1	38	8	2	***FD-99	5.00 mL	2.2	2%	0.013 ng	2.674 ng/L	1	2.646 ng/L	rerun to improve signal (#48)
THG11-020528-1	39	9	3	***Q10005	5.00 mL	22.2	2%	0.172 ng	34.447 ng/L		35.136 ng/L	confirmation of wrong sample
THG11-020528-1	40	10	4	Q10006	5.00 mL	54.2	100%	0.426 ng	85.284 ng/L		170.569 ng/L	
THG11-020528-1	41	1	1	5/14 Eff	100.00 mL	40.6	1%	0.318 ng	3.184 ng/L	1	3.175 ng/L	[redacted]
THG11-020528-1	42	2	2	CCV3	100.00 mL	252.0		1.998 ng	19.976 ng/L		19.976 ng/L	99.9 %Rec
THG11-020528-1	43	3	3	CCB3	100.00 mL	0.7		0.006 ng	0.056 ng/L		0.056 ng/L	
THG11-020528-1	44	4	4	5/15 Eff	100.00 mL	44.3	1%	0.348 ng	3.478 ng/L	1	3.472 ng/L	[redacted]
THG11-020528-1	45	5	1	5/16 Eff	100.00 mL	38.6	1%	0.303 ng	3.025 ng/L	1	3.014 ng/L	[redacted]
THG11-020528-1	46	6	2	5/17 Eff	100.00 mL	38.0	1%	0.298 ng	2.977 ng/L	1	2.966 ng/L	[redacted]
THG11-020528-1	47	7	3	5/18 Eff	100.00 mL	36.8	1%	0.288 ng	2.882 ng/L	1	2.870 ng/L	[redacted]
THG11-020528-1	48	8	4	FD-99	100.00 mL	20.0	1%	0.155 ng	1.548 ng/L	1	1.522 ng/L	[redacted]

0015

Data Set	Run	Tp	Bub	Sample ID	Aliquot Volume	PH	%BrCl (Waters)	THg per Aliquot	THg Conc (Gross)	PB #	THg Conc (Net)	Remarks
THG11-020528-1	49	9	1	Q10004FD2	5.00 mL	100.0	1%	0.790 ng	158.045 ng/L	1	159.584 ng/L	
THG11-020528-1	50	10	2	Clean Room MQ	125.00 mL	1.4	1%	0.007 ng	0.056 ng/L	1	0.016 ng/L	[redacted]
THG11-020528-1	51	1	3	Clean Room DI	125.00 mL	2.1	1%	0.013 ng	0.101 ng/L	1	0.061 ng/L	
THG11-020528-1	52	2	4	Atmospherics MQ	125.00 mL	28.4	1%	0.221 ng	1.772 ng/L	1	1.749 ng/L	high result; QA notified
THG11-020528-1	53	3	1	Trace Metals DI	125.00 mL	1.9	1%	0.011 ng	0.088 ng/L	1	0.048 ng/L	
THG11-020528-1	54	4	2	CCV4	100.00 mL	244.0		1.934 ng	19.341 ng/L		19.341 ng/L	96.7 %Rec
THG11-020528-1	55	5	3	CCB4	100.00 mL	0.3		0.002 ng	0.024 ng/L		0.024 ng/L	
THG11-020528-1	56	6	4	Blue Room MQ	125.00 mL	1.5	1%	0.008 ng	0.062 ng/L	1	0.022 ng/L	
THG11-020528-1	57	7	1	Trace Metals MQ	125.00 mL	1.6	1%	0.009 ng	0.069 ng/L	1	0.028 ng/L	
THG11-020528-1	58	8	2	CCV5	100.00 mL	246.0		1.950 ng	19.499 ng/L		19.499 ng/L	97.5 %Rec
THG11-020528-1	59	9	3	CCB5	100.00 mL	0.2		0.002 ng	0.016 ng/L		0.016 ng/L	

0016

Q10006

WP-1 T

WP-1 D

~~Q10004 FD2~~ Q10005

Q10002

Q10003-MSD

Q10003-MS

Q10003-MT

Q10003-MD

CCB1 Q10005

CCV1

Q10004 FD2

Q10003

Q10002

Q10001

Q10008 AB1

Q10007 EB1

PBW3

PBW2

PBW1

ML spike

ICB

ICV/NIST 1641d

0.05 ng

4.00 ng

2.00 ng

0.50 ng

0.10 ng

=20 x=1

THg11-020528-1

start @ 8:45 AM

chart speed: 1 mm/min

Tobias C. Hilman

0017

finish @ 7:30 PM

CCB5

CCV5

Trace Metals MQ

Blue Room MQ

CCB4

CCV4

Trace Metals OT

Atmospherics MQ

Clean Room OT

Clean Room MQ

Q10004 FD2

FD-99

5/18 EAF

5/17 EAF

5/16 EAF

5/15 EAF

CCB3

CCV3

5/14 EAF

Q10006

Q10005

FD-99

WP-1 T - MD

~~WP-1 T - MI~~ TCH 5/28/02

WP-2 T

WP-1 T - MSD

TCH 5/28/02

WP-1 T ~~- MD~~ MS TCH 5/28/02

WP-1 T

WP-2 D

CCB2

CHART NO. RZ-XP-9

CHART NO. RZ-XP-9