

**Golder Associates Inc.**

4104 - 148th Avenue, N.E.  
Redmond, WA 98052  
Telephone (425) 883-0777  
Fax (425) 882-5498

RECEIVED

JAN 06 1999

DEPT OF ECOLOGY



Key Bank, Kirkland Branch

January 5, 1999

Our ref.: 973-1162

N-17-5343-000  
IRAP

MUST # 368819

Washington Department of Ecology  
Northwest Regional Office-Toxics Cleanup Program  
3190 - 160th Ave. S.E.  
Bellevue, Washington 98008-5452

ATTENTION: Mr. Dan Cargill

RE: GROUNDWATER MONITORING RESULTS - SAMPLING EVENT 98-2  
FORMER KEY BANK SITE LOCATED AT 132 KIRKLAND AVENUE IN  
KIRKLAND, WASHINGTON

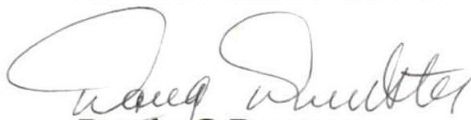
Dear Mr. Cargill:

Please find enclosed the second round of the second year of semi-annual groundwater monitoring results for samples collected at the former Key Bank site located at 132 Kirkland Avenue in Kirkland, Washington. These samples were collected on December 17, 1998, pursuant to a No Further Action letter from Ms. Elaine Atkinson of your office, dated April 11, 1997. This completes two years of monitoring. Semi-annual monitoring will be continued for one more year.

Please contact me at 425-883-0777, if you have any questions.

Sincerely,

GOLDER ASSOCIATES INC.

  
Douglas G. Dunster  
Associate

DGD/rlw  
0105dgd1.doc

Enclosures

cc: R. Anderson

DEPARTMENT OF ECOLOGY NWRO/TCP TANK UNIT	
INTERIM CLEANUP REPORT	<input checked="" type="checkbox"/>
SITE CHARACTERIZATION	<input type="checkbox"/>
FINAL CLEANUP REPORT	<input type="checkbox"/>
OTHER _____	<input type="checkbox"/>
AFFECTED MEDIA: SOIL	<input type="checkbox"/>
OTHER _____ GW	<input checked="" type="checkbox"/>
INSPECTOR (INIT.) <u>DC</u>	DATE <u>1-99</u>

ENCLOSURES

MW1 - as of 12/17/98  
had 1.4 ppm gasoline  
in GW

*Joe*

Central ~~Rec'd~~ Records  
When Done



**NORTH  
CREEK  
ANALYTICAL**  
Environmental Laboratory Services

RECEIVED  
DEC 30 1998  
Golder Associates

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210  
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290  
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Golder and Associates  
4104 148th Ave NE  
Redmond, WA 98052

Project: INTERBANK/GW/WA  
Project Number: 973-1162  
Project Manager: ~~Karen Ramirez~~ D. DUNSTER

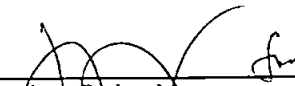
Sampled: 12/17/98  
Received: 12/17/98  
Reported: 12/23/98 11:10

**ANALYTICAL REPORT FOR SAMPLES:**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	B812364-01	Water	12/17/98
MW-2	B812364-02	Water	12/17/98
MW-3	B812364-03	Water	12/17/98

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.  
This analytical report must be reproduced in its entirety.*

  
Kirk Gendron, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776



# NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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Golder and Associates	Project: INTERBANK/GW/WA	Sampled: 12/17/98
4104 148th Ave NE	Project Number: 973-1162	Received: 12/17/98
Redmond, WA 98052	Project Manager: Karen Ramirez	Reported: 12/23/98 11:10

## Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>MW-1</b>				<b>B812364-01</b>			<b>Water</b>	
Gasoline Range Hydrocarbons	1280560	12/18/98	12/22/98		50.0	1460	ug/l	
Benzene	"	"	"		0.500	26.6	"	
Toluene	"	"	"		3.00	ND	"	1
Ethylbenzene	"	"	"		0.500	13.8	"	
Xylenes (total)	"	"	"		8.00	ND	"	1
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		NR	%	2
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		151	"	2
<b>MW-2</b>				<b>B812364-02</b>			<b>Water</b>	
Gasoline Range Hydrocarbons	1280560	12/18/98	12/18/98		50.0	712	ug/l	
Benzene	"	"	"		2.00	ND	"	1
Toluene	"	"	"		1.00	ND	"	1
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		3.00	ND	"	1
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		138	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		111	"	
<b>MW-3</b>				<b>B812364-03</b>			<b>Water</b>	
Gasoline Range Hydrocarbons	1280560	12/18/98	12/18/98		50.0	79.9	ug/l	
Benzene	"	"	"		0.500	34.4	"	
Toluene	"	"	"		0.500	1.20	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	3.04	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		97.9	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		98.5	"	



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4104 148th Ave NE  
Redmond, WA 98052

Project: INTERBANK/GW/WA  
Project Number: 973-1162  
Project Manager: Karen Ramirez

Sampled: 12/17/98  
Received: 12/17/98  
Reported: 12/23/98 11:10

## Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 1280560</b>										
<b>Date Prepared: 12/18/98</b>										
<b>Extraction Method: EPA 5030B (P/T)</b>										
<b>Blank</b>										
<b>1280560-BLK1</b>										
Gasoline Range Hydrocarbons	12/18/98			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	1.00				
Surrogate: 4-BFB (FID)	"	48.0		43.9	"	50.0-150	91.5			
Surrogate: 4-BFB (PID)	"	48.0		45.9	"	50.0-150	95.6			
<b>LCS</b>										
<b>1280560-BS1</b>										
Gasoline Range Hydrocarbons	12/19/98	500		463	ug/l	70.0-130	92.6			
Surrogate: 4-BFB (FID)	"	48.0		48.4	"	50.0-150	101			
<b>Duplicate</b>										
<b>1280560-DUP1 B812364-02</b>										
Gasoline Range Hydrocarbons	12/19/98		712	684	ug/l			25.0	4.01	
Surrogate: 4-BFB (FID)	"	48.0		64.8	"	50.0-150	135			
<b>Matrix Spike</b>										
<b>1280560-MS1 B812364-03</b>										
Benzene	12/18/98	10.0	34.4	42.6	ug/l	70.0-130	82.0			
Toluene	"	10.0	1.20	11.0	"	70.0-130	98.0			
Ethylbenzene	"	10.0	ND	10.3	"	70.0-130	103			
Xylenes (total)	"	30.0	3.04	31.7	"	70.0-130	95.5			
Surrogate: 4-BFB (PID)	"	48.0		48.6	"	50.0-150	101			
<b>Matrix Spike Dup</b>										
<b>1280560-MSD1 B812364-03</b>										
Benzene	12/18/98	10.0	34.4	41.9	ug/l	70.0-130	75.0	15.0	8.92	
Toluene	"	10.0	1.20	10.4	"	70.0-130	92.0	15.0	6.32	
Ethylbenzene	"	10.0	ND	10.4	"	70.0-130	104	15.0	0.966	
Xylenes (total)	"	30.0	3.04	31.8	"	70.0-130	95.9	15.0	0.418	
Surrogate: 4-BFB (PID)	"	48.0		49.6	"	50.0-150	103			



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## Notes and Definitions

#	Note
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- |        |  |
|--------|--|
| 1      | The reporting limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.           |
| 2      | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample. |
| DET    | Analyte DETECTED   |
| ND     | Analyte NOT DETECTED at or above the reporting limit   |
| NR     | Not Reported   |
| dry    | Sample results reported on a dry weight basis  |
| Recov. | Recovery   |
| RPD    | Relative Percent Difference  |

North Creek Analytical - Bothell

  
Kirk Gendron, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4779  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

(425) 420-9200 FAX 420-9210  
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(503) 906-9200 FAX 906-9210



# CHAIN OF CUSTODY REPORT

**Work Order #**

B812364

REPORT TO: <b>GOLDER ASSOCIATES</b>			INVOICE TO: <b>GOLDER ASSOCIATES</b>			TURNAROUND REQUEST in Business Days *			
ATTENTION: <b>DOUG DUNSTON</b>			ATTENTION: <b>KAREN RAMIREZ</b>			Organic & Inorganic Analyses			
ADDRESS: <b>4104 148th AVE NE</b>			ADDRESS: <b>4104 148th AVE NE</b>			10 7 5 4 3 2 1 Same Day			
<b>REDMOND, WA 98052</b>			<b>REDMOND WA</b>			Fuels & Hydrocarbon Analyses			
PHONE: <b>425-893-0777</b> FAX: <b>892-5498</b>			P.O. NUMBER: <b>20923</b> NCA QUOTE #:			5 3-4 2 1 Same Day			
PROJECT NAME: <b>INTERBANK/132 KIRKLAND/WA</b>			Analysis Request: <b>WTPH-G EPA 8020K</b>			OTHER Specify:			
PROJECT NUMBER: <b>973-1162</b>						* Turnaround Requests less than standard may incur Rush Charges.			
SAMPLED BY:									
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)			MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS	
1. <b>MW-1</b>		<b>12/17/98 8:15</b>	<b>6812364-01</b>	<input checked="" type="checkbox"/>		<b>W</b>	<b>2</b>		
2. <b>MW-2</b>		<b>12/17/98 10:00</b>	<b>6812364-02</b>	<input checked="" type="checkbox"/>		<b>↓</b>	<b>↓</b>		
3. <b>MW-3</b>		<b>12/17/98 11:40</b>	<b>6812364-03</b>	<input checked="" type="checkbox"/>		<b>↓</b>	<b>↓</b>		
4. <b>TRIP BLANK</b>			<b>6812364-04</b>	<input checked="" type="checkbox"/>		<b>W</b>	<b>2</b>	<b>HOCO</b>	
5. <b>3</b>				<input checked="" type="checkbox"/>					
6. <b>3</b>				<input checked="" type="checkbox"/>					
7. <b>3</b>				<input checked="" type="checkbox"/>					
8. <b>3</b>				<input checked="" type="checkbox"/>					
9. <b>3</b>				<input checked="" type="checkbox"/>					
10. <b>3</b>				<input checked="" type="checkbox"/>					
RELINQUISHED BY (Signature): <b>Dgt hwr</b>			DATE: <b>12/17/98</b>	RECEIVED BY (Signature): <b>Dane</b>			DATE: <b>12/17/98</b>		
PRINT NAME: <b>DANIEL WILSON</b>			FIRM: <b>GOLDER</b>	TIME: <b>12:30</b>	PRINT NAME: <b>D. HEINE</b>			FIRM: <b>NCA B</b>	TIME: <b>12:30</b>
RELINQUISHED BY (Signature):			DATE:	RECEIVED BY (Signature):			DATE:		
PRINT NAME:			FIRM:	TIME:	PRINT NAME:			FIRM:	TIME:
ADDITIONAL REMARKS:						14.6° W/O			
						PAGE OF			