

Draft Issued for Ecology Review

**APPENDIX G
ANALYTICAL RESULTS**

Remedial Investigation

Yakima Railroad Area

Yakima, Washington

SECOR PN: 00378-001-02

December 31, 1998



Superior

Analytical Laboratory

SECOR
15400 30th Pl. STE 100
BELLEVUE, WA 98007

Date: December 10, 1997

Attn: CLIFF SCHMIDT

Laboratory Number : 23602

Project Number/Name : 00378-001-
Facility/Site : YRRA
YAKIMA, WA

Dear Mr. Schmidt:


Attached is Superior Analytical Laboratory report for the samples received on December 3, 1997. This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after December 6, 1997, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,

Afsaneh Salimpour
Project Manager


QA/QC
Approval



Superior

Analytical Laboratory

CASE NARRATIVE

SECOR

Project Number/Name: 00378-001-01 TASK 3
Laboratory Number: 23602

Sample Receipt

Eighteen water samples were received by
Superior Analytical Laboratory on December 3, 1997.

Cooler temperature was 5°C

No abnormalities were noted with sample receiving.

Sample Analysis

The samples were analyzed for method 8010.

8010/REGULAR

K - The surrogate recovery was low due to matrix effects. The analysis was repeated with similar effects. Sample seemed to be very soapy and foamed during analysis.

NOTE: Reproduction of this report is permitted only in its entirety.



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Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 30, 1997
Revised on January 14, 1998

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Chronology

Laboratory Number 23602

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
RI-5S-1297	12/01/97	12/03/97	12/05/97	12/05/97	DL051.08	02
RI-5D-1297	12/01/97	12/03/97	12/05/97	12/05/97	DL051.08	03
RI-6S-1297	12/01/97	12/03/97	12/06/97	12/06/97	DL061.08	04
TRIP BLANK	11/18/97	12/03/97	12/06/97	12/06/97	DL051.08	05
RI-6D-1297	12/01/97	12/03/97	12/06/97	12/06/97	DL061.08	06
RI-14S-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	07
RI-14D-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	08
RI-1S-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	09
RI-1D-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	10
CYI-MW-103S	12/01/97	12/03/97	12/06/97	12/06/97	DL061.08	11
CYI-MW-103D	12/01/97	12/03/97	12/06/97	12/06/97	DL051.08	12
A-MW-3	12/01/97	12/03/97	12/06/97	12/06/97	DL051.08	13
N-MW-2	12/01/97	12/03/97	12/06/97	12/06/97	DL051.08	14
WM-MW-2	12/02/97	12/03/97	12/06/97	12/06/97	DL051.08	15
G-MW-2	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	16
RI-2S-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	17
RI-2D-1297	12/02/97	12/03/97	12/06/97	12/06/97	DL061.08	18

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
DL051.08-01	Method Blank	MB	Water	12/05/97	12/05/97
DL051.08-02	Laboratory Spike	LS	Water	12/05/97	12/05/97
DL051.08-03	DEV1-1297	MS 23619-12	Water	12/05/97	12/05/97
DL051.08-04	DEV1-1297	MSD 23619-12	Water	12/05/97	12/05/97
DL061.08-01	Method Blank	MB	Water	12/06/97	12/06/97
DL061.08-02	Laboratory Spike	LS	Water	12/06/97	12/06/97
DL061.08-03	RI-6D-1297	MS 23602-06	Water	12/06/97	12/06/97
DL061.08-04	RI-6D-1297	MSD 23602-06	Water	12/06/97	12/06/97



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Analytical Laboratory

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Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 30, 1997
Revised on January 14, 1998

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include samples 23602-02 to 23602-05.

RESULTS OF ANALYSIS

Main results table with columns for Compound, 23602-02, 23602-03, 23602-04, and 23602-05. Lists various compounds like Chloromethane, Vinyl Chloride, etc. Includes a section for Surrogate Recoveries (%) at the bottom.



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Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23602-06	RI-6D-1297	Water	1.0	-
23602-07	RI-14S-1297	Water	1.0	-
23602-08	RI-14D-1297	Water	1.0	-
23602-09	RI-1S-1297	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23602-06		23602-07		23602-08		23602-09	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroform	ND	0.5	1.8	0.5	ND	0.5	0.5	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5

>> Surrogate Recoveries (%) <<

Bromochloromethane	98	103	102	101
4-Bromofluorobenzene	95	99	90	91

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Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23602-10	RI-1D-1297	Water	1.0	-
23602-11	CYI-MW-103S	Water	1.0	-
23602-12	CYI-MW-103D	Water	1.0	-
23602-13	A-MW-3	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23602-10		23602-11		23602-12		23602-13	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	2.4	0.5	ND	0.5	ND	0.5
Chloroform	ND	0.5	3.3	0.5	1.9	0.5	1.6	0.5
1,1,1-Trichloroethane	ND	0.5	0.7	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	0.9	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	38	0.5	2.9	0.5	4.9	0.5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Bromochloromethane	100		92		95		98	
4-Bromofluorobenzene	90		86		94		94	

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LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23602-14	N-MW-2	Water	1.0	-
23602-15	WM-MW-2	Water	1.0	-
23602-16	G-MW-2	Water	1.0	-
23602-17	RI-2S-1297	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23602-14		23602-15		23602-16		23602-17	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroform	1.3	0.5	4.5	0.5	11	0.5	0.6	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	2.2	0.5	2.5	0.5	12	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5

>> Surrogate Recoveries (%) <<

Bromochloromethane	106	102	99	98
4-Bromofluorobenzene	93	100	89	85

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Project 00378-001-01 TASK 3
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Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23602-18	RI-2D-1297	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound 23602-18
 Conc. RL
 ug/L

Chloromethane	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Chloroethane	ND	0.5
Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Dichloromethane	ND	2.5
t-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
c-1,2-Dichloroethene	ND	0.5
Chloroform	0.9	0.5
1,1,1-Trichloroethane	ND	0.5
Carbon tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
c-1,3-Dichloropropene	ND	0.5
1,2-Dichloropropane	ND	0.5
t-1,3-Dichloropropene	ND	0.5
Bromodichloromethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5

>> Surrogate Recoveries (%) <<

Bromochloromethane	82
4-Bromofluorobenzene	71

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Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23602
Method Blank(s)

	DL051.08-01		DL061.08-01	
	Conc.	RL	Conc.	RL
	ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5
Chloroform	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Bromochloromethane		104		93
4-Bromofluorobenzene		101		81



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Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23602

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
DL051.08 02 / - Laboratory Control Spikes						
1,1-Dichloroethene		20	20	100	70-130	
Trichloroethene		20	19	95	60-130	
Chlorobenzene		20	19	95	75-130	
>> Surrogate Recoveries (%) <<						
Bromochloromethane				101	70-120	
4-Bromofluorobenzene				101	60-125	
For Water Matrix (ug/L)						
DL061.08 02 / - Laboratory Control Spikes						
1,1-Dichloroethene		20	19	95	70-130	
Trichloroethene		20	17	85	60-130	
Chlorobenzene		20	19	95	75-130	
>> Surrogate Recoveries (%) <<						
Bromochloromethane				104	70-120	
4-Bromofluorobenzene				94	60-125	
For Water Matrix (ug/L)						
DL051.08 03 / 04 - Sample Spiked: 23619 - 12						
1,1-Dichloroethene	ND	20	21/22	105/110	70-130	5
Trichloroethene	ND	20	17/17	85/85	60-130	0
Chlorobenzene	ND	20	21/18	105/90	75-130	15
>> Surrogate Recoveries (%) <<						
Bromochloromethane				100/99	70-120	
4-Bromofluorobenzene				97/91	60-125	
For Water Matrix (ug/L)						
DL061.08 03 / 04 - Sample Spiked: 23602 - 06						
1,1-Dichloroethene	ND	20	22/22	110/110	70-130	0

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Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23602

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
Trichloroethene	ND	20	16/16	80/80	60-130	0
Chlorobenzene	ND	20	20/22	100/110	75-130	10
>> Surrogate Recoveries (%) <<						
Bromochloromethane				105/105	70-120	
4-Bromofluorobenzene				98/105	60-125	

K - The surrogate recovery was low due to matrix effects. The analysis was repeated with similar effects. Sample seemed to be very soapy and foamed during analysis.

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)

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23602

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleve
 Address: 15400 SE 30th Pl., Ste 100
Belleve, WA 98007

Additional documents are attached, and are a part of this Record.
 Job Name: YRRA
 Location: Yakima, WA

Project # 00378-001-01 Task # 3
 Project Manager: Cliff Schmidt
 Laboratory: Superior
 Turnaround Time: SAME DAY/STANDARD

Sampler's Name: Holly Corner / Ken Scott
 Sampler's Signature: Holly Corner / Ken Scott

Sample ID	Date	Time	Matrix	HCID	TPH/BTEX/TPH-G 8015 (modified)/8020	TPH/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/CBS 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Analysis Request	Please Initialed	Samples Stored in ice	Appropriate containers	Samples preserved	VQA's without headspace	Comments:	Number of Containers
DEV-2-120197	12/1/97	1330	water							X													3
RI-5B-1297		1100								X													2
RI-5d-1297		1110								X													2
RI-6S-1297		1315								X													2
Trip Blank	11/18/97	-								X													1
RI-6d-1297	12/1/97	1710								X													2
RI-14S-1297	12/2/97	0930								X													1
RI-14d-1297		1035								X													2
RI-14-15-1297		1300								X													3
RI-1d-1297		1315								X													3

Special Instructions/Comments:
 Please fax results to Cliff Schmidt at (425) 641-9092
 and
 SAME DAY results to Holly Corner at (509) 575-1694 (Yakima)
 * SAME DAY RESULTS

Relinquished by: Holly Corner
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1600 Date 12/2/97

Relinquished by: Holly Corner
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1600 Date 12/2/97

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date 12/3/97

Client: YRRA
 Client Contact: _____
 Client Phone: _____

Total no. of containers: _____
 Chain of custody seals: _____
 Recd. in good condition/cold: _____
 Conforms to record: _____

23602

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Bellvue
 Address: 1540 SE 30th Pl., Ste 100
Bellvue, WA 98007

Additional documents are attached, and are a part of this Record.
 Job Name: YRRA
 Location: Yakima, WA

Project # 00378-001-01 Task # 3
 Project Manager: Cliff Schmidt
 Laboratory: Superior
 Turnaround Time: Standard for these samples (page 2)

Sampler's Name: Holly Corner / Ken Scott
 Sampler's Signature: Holly Corner

Sample ID	Date	Time	Matrix	Analysis Request										Please Initial:	Number of Containers			
				TPH/BTEX/TPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/CBS 608/8080	Total Lead 7421	Priority Pollutant Metals (13)			TCLP Metals		
CYE-MW-103s	12/1/97	1145	water															
CYE-MW-103d		1230																
A-MW-3		1450																
N-MW-2		1610																
WM-MW-2	12/2/97	0915																
Q-MW-2	12/2/97	1105																
RI-2s-1297	12/2/97	1540	water															
RI-2d-1297	12/2/97	1550	water															

Comments/Instructions:
 Note Containers marked "Use Last"
 Standard TAT
 Standard TAT
 Standard TAT
 Standard TAT
 Standard TAT

Special Instructions/Comments:
 Please fax ^{results} to Cliff Schmidt at (425) 641-9092
 Standard TAT for samples on page 2.

Relinquished by: Holly Corner
 Sign: Holly Corner
 Print: Holly Corner
 Company: SELOR
 Time: 1600 Date: 12/2/97

Received by: _____
 Sign: _____
 Print: _____
 Company: _____
 Time: _____ Date: _____

Client: YRRA
 Client Contact: _____
 Client Phone: _____



Superior

Analytical Laboratory

62
Samples

SECOR
15400 30th Pl. STE 100
BELLEVUE, WA 98007

Date: December 17, 1997

Attn: CLIFF SCHMIDT

Laboratory Number : 23637

Project Number/Name : 00378-001-
Facility/Site : YRRA
YAKAMA, WA

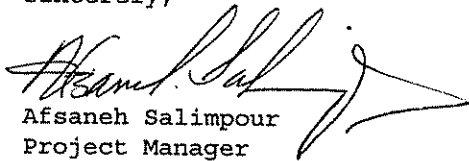
Dear CLIFF SCHMIDT:

Attached is Superior Analytical Laboratory report for the samples received on December 9, 1997. This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after December 12, 1997, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,


Afsaneh Salimpour
Project Manager


QA/QC
Approval



Superior

Analytical Laboratory

CASE NARRATIVE

SECOR

Project Number/Name: 00378-001-01 TASK 03

Laboratory Number: 23637

Sample Receipt

Sixteen water samples were received by
Superior Analytical Laboratory on December 9, 1997.

Cooler temperature was 5.1°C

No abnormalities were noted with sample receiving.

Sample Analysis

The samples were analyzed for method 8010.

NOTE: Reproduction of this report is permitted only in its entirety.



Superior Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
Reported on December 15, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Chronology

Laboratory Number 23637

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
RI-15s-1297	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	01
RINSATE-4s	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	02
RINSATE-4d	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	03
RI-15d-1297	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	04
FW-MW-1	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	05
RI-13s-1297	12/05/97	12/09/97	12/10/97	12/10/97	DL101.08	06
RI-13d-1297	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	07
RI-13i-1297	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	08
P-MW-3	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	09
RI-16s-1297	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	10
BOTTLE LOT - 1	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	11
BOTTLE LOT - 2	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	12
TRIP BLANK	11/18/97	12/09/97	12/12/97	12/12/97	DL121.08	13
RINSATE-13s	12/05/97	12/09/97	12/12/97	12/12/97	DL121.08	14
H-MW-2	12/04/97	12/09/97	12/12/97	12/12/97	DL121.08	15
DEV-2-120697	12/06/97	12/09/97	12/12/97	12/12/97	DL121.08	16

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
DL101.08-01	Method Blank	MB	Water	12/10/97	12/10/97
DL101.08-02	Laboratory Spike	LS	Water	12/10/97	12/10/97
DL101.08-03	Laboratory Spike Duplicate	LSD	Water	12/10/97	12/10/97
DL101.08-04	RI-10D-1297	MS 23619-06	Water	12/11/97	12/11/97
DL101.08-05	RI-10D-1297	MSD 23619-06	Water	12/10/97	12/10/97
DL121.08-01	Method Blank	MB	Water	12/12/97	12/12/97
DL121.08-02	Laboratory Spike	LS	Water	12/12/97	12/12/97
DL121.08-03	Laboratory Spike Duplicate	LSD	Water	12/12/97	12/12/97
DL121.08-04	RI-15s-1297	MS 23637-01	Water	12/13/97	12/13/97
DL121.08-05	RI-15s-1297	MSD 23637-01	Water	12/13/97	12/13/97



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
Reported on December 15, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include 23637-01 to 23637-04.

RESULTS OF ANALYSIS

Main results table with 9 columns: Compound, 23637-01 Conc./RL, 23637-02 Conc./RL, 23637-03 Conc./RL, 23637-04 Conc./RL. Lists various organic compounds and their concentrations.

>> Surrogate Recoveries (%) <<

Table showing surrogate recoveries for Bromochloromethane and 4-Bromofluorobenzene across the four sample IDs.



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
Reported on December 15, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
23637-05	FW-MW-1	Water	50.0	-
23637-06	RI-13s-1297	Water	1.0	-
23637-07	RI-13d-1297	Water	1.0	-
23637-08	RI-13i-1297	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23637-05		23637-06		23637-07		23637-08	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	25	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	25	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	25	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	130	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	25	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	25	ND	0.5	ND	0.5	ND	0.5
Chloroform	ND	25	0.7	0.5	1.0	0.5	1.3	0.5
1,1,1-Trichloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	25	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	25	ND	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	25	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	25	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	25	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	25	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	310	25	ND	0.5	ND	0.5	ND	0.5
Dibromochloromethane	ND	25	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	25	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	25	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	25	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	25	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	25	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	25	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Bromochloromethane	113		88		100		108	
4-Bromofluorobenzene	95		79		89		91	

Reproduction of this report is permitted only in its entirety.



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
Reported on December 15, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include samples 23637-09 through 23637-12.

RESULTS OF ANALYSIS

Main results table with 9 columns: Compound, 23637-09 Conc./RL, 23637-10 Conc./RL, 23637-11 Conc./RL, 23637-12 Conc./RL. Lists various organic compounds and their concentrations.

>> Surrogate Recoveries (%) <<

Table showing surrogate recoveries for Bromochloromethane (99%) and 4-Bromofluorobenzene (88%).



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 03
Reported on December 15, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include 23637-13 (TRIP BLANK), 23637-14 (RINSATE-13s), 23637-15 (H-MW-2), and 23637-16 (DEV-2-120697).

RESULTS OF ANALYSIS

Main results table with 10 columns: Compound, 23637-13 (Conc., RL), 23637-14 (Conc., RL), 23637-15 (Conc., RL), 23637-16 (Conc., RL). Lists various compounds like Chloromethane, Vinyl Chloride, etc., with their respective concentrations and recovery percentages.



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23637

Method Blank(s)

DL101.08-01		DL121.08-01	
Conc.	RL	Conc.	RL
ug/L		ug/L	

Chloromethane	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5
Chloroform	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Bromochloromethane	96		90	
4-Bromofluorobenzene	83		86	



Superior Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23637

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
DL101.08 02 / 03 - Laboratory Control Spikes						
1,1-Dichloroethene		20	21/22	105/110	70-130	5
Trichloroethene		20	19/19	95/95	60-130	0
Chlorobenzene		20	20/21	100/105	75-130	5
>> Surrogate Recoveries (%) <<						
Bromochloromethane				103/103	70-120	
4-Bromofluorobenzene				92/95	60-125	
For Water Matrix (ug/L)						
DL121.08 02 / 03 - Laboratory Control Spikes						
1,1-Dichloroethene		20	20/19	100/95	70-130	5
Trichloroethene		20	17/16	85/80	60-130	6
Chlorobenzene		20	18/18	90/90	75-130	0
>> Surrogate Recoveries (%) <<						
Bromochloromethane				98/100	70-120	
4-Bromofluorobenzene				89/92	60-125	
For Water Matrix (ug/L)						
DL101.08 04 / 05 - Sample Spiked: 23619 - 06						
1,1-Dichloroethene	ND	20	22/21	110/105	70-130	5
Trichloroethene	ND	20	16/18	80/90	60-130	12
Chlorobenzene	ND	20	19/19	95/95	75-130	0
>> Surrogate Recoveries (%) <<						
Bromochloromethane				90/105	70-120	
4-Bromofluorobenzene				86/91	60-125	
For Water Matrix (ug/L)						
DL121.08 04 / 05 - Sample Spiked: 23637 - 01						
1,1-Dichloroethene	ND	20	18/20	90/100	70-130	11

Reproduction of this report is permitted only in its entirety.



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23637

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
Trichloroethene	ND	20	16/17	80/85	60-130	6
Chlorobenzene	ND	20	18/19	90/95	75-130	5
>> Surrogate Recoveries (%) <<						
Bromochloromethane				102/105	70-120	
4-Bromofluorobenzene				91/92	60-125	

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)

Reproduction of this report is permitted only in its entirety.

23637

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleury
 Address: 15400 SE 30th Place, Ste 100
Belleury, WA 98007

Additional documents are attached, and are a part of this Record.
 Job Name: YRPA
 Location: Yakima, WA

Project # 00378-001-01 Task # 03
 Project Manager Cliff Schmidt
 Laboratory Supriach
 Turnaround Time Standard

Sampler's Name _____
 Sampler's Signature _____

Sample ID	Date	Time	Matrix
RI-15s-1297	12/15/97	0900	Water
Rinsate - 4s		1315	
Rinsate - 4d		1320	
RI-15d-1297		1000	
RI-4s-1297		1325	
RI-4d-1297		1340	
FW-MW-1		0915	
RI-13s-1297		1640	
RI-13d-1297		1700	
RI-13i-1297		1715	

Special Instructions/Comments:
Fax results to Cliff Schmidt
at
(425) 641-9092

Analysis Request													
HCID	TPH-G/BTEX/TPH-G 8015 (modified)/8020	TPH-D/TPH-D 8015 (modified)	TPH 418.1/MTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead Z421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
						X						Sample stored in ice.	3
						X						Appropriate containers	3
						X						Samples preserved	3
						X						Containers without headspace	3
						X						Containers	3
						X							3
						X							3
						X							3
						X							3

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Relinquished by: HC
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1400 Date 12/18/97

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cold: _____
 Conforms to record: _____

Client: YRPA
 Client Contact: _____
 Client Phone: _____

23637

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Bellevue
 Address: 15400 SE 30th Pl., Ste 100
Bellevue, WA 98007

Additional documents are attached, and are a part of this Record.
 Job Name: YRRA
 Location: Yakima

Project #	Task #	Sample ID	Date	Time	Matrix
00378-007-01	3	P-MW-3	12/15/97	1515	Water
		RI-165-1297		1030	
		Bottle Lot - 1		1445	
		Bottle Lot - 2		1705	
		Trip Blank	11/18/97		
		RINSTATE - 135	12/19/97	1635	
		H-MW-2	12/19/97	1500	
		DEV-2-120597	12/15/97	0900	

Analysis Request	Number of Containers
HCID	
TPH-G/BTEX/WTPH-G 8015 (modified)/8020	
TPH-D/WTPH-D 8015 (modified)	
TPH 418.1/WTPH 418.1	
Aromatic Volatiles 602/8020	
Volatile Organics 624/8240 (GC/MS)	
Halogenated Volatiles 607/8010	
Semi-volatile Organics 625/8270 (GC/MS)	
Pesticides/P/CBS 608/8080	
Total Lead 7421	
Priority Pollutant Metals (13)	
TCLP Metals	

Comments/Instructions: Placed in coolers. Samples stored in ice. Appropriate containers. Samples preserved. All in a without headspace. Seals:

Special Instructions/Comments: _____

Relinquished by: Holly Corner
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1400 Date 12/18/97

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Recd. in good condition/cold: _____
 Conforms to record: _____

Client: _____
 Client Contact: _____
 Client Phone: _____

Relinquished by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____



Superior Analytical Laboratory

SECOR
15400 30th Pl. STE 100
BELLEVUE, WA 98007

Date: December 12, 1997

Attn: CLIFF SCHMIDT

Laboratory Number : 23619

Project Number/Name : YRRA
Facility/Site : YAKIMA

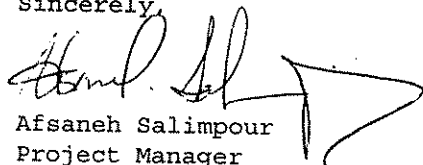
Dear CLIFF SCHMIDT:

Attached is Superior Analytical Laboratory report for the samples received on December 5, 1997. This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after January 4, 1998, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,


Afsaneh Salimpour
Project Manager


QA/QC
Approval



Superior

Analytical Laboratory

CASE NARRATIVE

SECOR

Project Number/Name: YRRA
Laboratory Number: 23619

Sample Receipt

Twelve water samples were received by
Superior Analytical Laboratory on December 5, 1997.

Cooler temperature was 5.1°C

No abnormalities were noted with sample receiving.

Sample Analysis

The samples were analyzed for method 8010.

NOTE: Reproduction of this report is permitted only in its entirety.



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project YRRA
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Chronology

Laboratory Number 23619

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
Bnrr-D-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	01
Bnrr-S-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	02
RI-11S-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	03
RI-11D-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	04
RI-10S-1297	12/03/97	12/05/97	12/10/97	12/10/97	DL101.08	05
RI-10D-1297	12/03/97	12/05/97	12/11/97	12/11/97	DL101.08	06
WI-W-8	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	07
U-YS-2	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	08
RI-12S-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	09
RI-12D-1297	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	10
Trip Blank	12/04/97	12/05/97	12/10/97	12/10/97	DL101.08	11
DEV1-1297	12/04/97	12/05/97	12/05/97	12/05/97	DL051.08	12

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
DL051.08-01	Method Blank	MB		Water	12/05/97	12/05/97
DL051.08-02	Laboratory Spike	LS		Water	12/05/97	12/05/97
DL051.08-03	DEV1-1297	MS	23619-12	Water	12/05/97	12/05/97
DL051.08-04	DEV1-1297	MSD	23619-12	Water	12/05/97	12/05/97
DL101.08-01	Method Blank	MB		Water	12/10/97	12/10/97
DL101.08-02	Laboratory Spike	LS		Water	12/10/97	12/10/97
DL101.08-03	Laboratory Spike Duplicate	LSD		Water	12/10/97	12/10/97
DL101.08-04	RI-10D-1297	MS	23619-06	Water	12/11/97	12/11/97
DL101.08-05	RI-10D-1297	MSD	23619-06	Water	12/10/97	12/10/97



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project YRRA
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include samples 23619-01 through 23619-04.

RESULTS OF ANALYSIS

Main results table with 10 columns: Compound, 23619-01 Conc./RL, 23619-02 Conc./RL, 23619-03 Conc./RL, 23619-04 Conc./RL. Lists various organic compounds and their concentrations.

>> Surrogate Recoveries (%) <<

Table showing surrogate recoveries for Bromochloromethane and 4-Bromofluorobenzene across the four samples.



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Attn: CLIFF SCHMIDT

Project YRRA
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
23619-05	RI-10S-1297	Water	1.0	-
23619-06	RI-10D-1297	Water	1.0	-
23619-07	WI-W-8	Water	1.0	-
23619-08	U-YS-2	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23619-05		23619-06		23619-07		23619-08	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroform	1.0	0.5	ND	0.5	0.6	0.5	ND	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	1.3	0.5	ND	0.5	2.7	0.5	0.6	0.5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Bromochloromethane	107		74		98		86	
4-Bromofluorobenzene	95		72		82		71	



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Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project YRRA
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include samples 23619-09 through 23619-12.

RESULTS OF ANALYSIS

Main results table with 10 columns: Compound, 23619-09 Conc. RL ug/L, 23619-10 Conc. RL ug/L, 23619-11 Conc. RL ug/L, 23619-12 Conc. RL ug/L. Lists various compounds like Chloromethane, Vinyl Chloride, etc.

>> Surrogate Recoveries (%) <<

Table with 5 columns: Compound, 23619-09, 23619-10, 23619-11, 23619-12. Rows for Bromochloromethane and 4-Bromofluorobenzene.



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23619

Method Blank(s)

	DL051.08-01		DL101.08-01	
	Conc.	RL	Conc.	RL
	ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5
Chloroform	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Bromochloromethane	104		96	
4-Bromofluorobenzene	101		83	



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23619

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
DL051.08 02 / - Laboratory Control Spikes						
1,1-Dichloroethene		20	20	100	70-130	
Trichloroethene		20	19	95	60-130	
Chlorobenzene		20	19	95	75-130	
>> Surrogate Recoveries (%) <<						
Bromochloromethane				101	70-120	
4-Bromofluorobenzene				101	60-125	
For Water Matrix (ug/L)						
DL101.08 02 / 03 - Laboratory Control Spikes						
1,1-Dichloroethene		20	21/22	105/110	70-130	5
Trichloroethene		20	19/19	95/95	60-130	0
Chlorobenzene		20	20/21	100/105	75-130	5
>> Surrogate Recoveries (%) <<						
Bromochloromethane				103/103	70-120	
4-Bromofluorobenzene				92/95	60-125	
For Water Matrix (ug/L)						
DL051.08 03 / 04 - Sample Spiked: 23619 - 12						
1,1-Dichloroethene	ND	20	21/22	105/110	70-130	5
Trichloroethene	ND	20	17/17	85/85	60-130	0
Chlorobenzene	ND	20	21/18	105/90	75-130	15
>> Surrogate Recoveries (%) <<						
Bromochloromethane				100/99	70-120	
4-Bromofluorobenzene				97/91	60-125	
For Water Matrix (ug/L)						
DL101.08 04 / 05 - Sample Spiked: 23619 - 06						
1,1-Dichloroethene	ND	20	22/21	110/105	70-130	5

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Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23619

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
Trichloroethene	ND	20	16/18	80/90	60-130	12
Chlorobenzene	ND	20	19/19	95/95	75-130	0
>> Surrogate Recoveries (%) <<						
Bromochloromethane				90/105	70-120	
4-Bromofluorobenzene				86/91	60-125	

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)

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Page 7 of 7

Chain-of Custody Number: 23619

SECOR Chain-of Custody Record

Field Office: Bellevue
 Address: 15400 SE 30th Place Ste 100
 Bellevue, WA 98007

Additional documents are attached, and are a part of this Record.

Job Name: YRRA
 Location: Yakima, WA

Project #	Task #	Task #	Matrix	Sample ID	Date	Time	Matrix
00378	001	01	3	BRR-0-1297	12/4/97	1600	water
				BRR-5-1297		1550	
				RI-115-1297		1135	
				RI-11d-1297		1145	
				RI-105-1297	12/3/97	1640	
				RI-10d-1297	12/3/97	1645	
				WI-W-8	12/4/97	1115	
				UL-75-2		1045	
				RI-125-1297		0910	
				RI-12d-1297		0920	

Project Manager: Cliff Schmidt
 Laboratory Supervisor: Holly Corner
 Turnaround Time: SAME DAY for
 DEY-1-1297, standard for
 Sampler's Name: Holly Corner
 Sampler's Signature: Holly Corner

Analysis Request	Comments/Instructions	Number of Containers
TPH/BTEX/PH-G 8015 (modified)/8020		3
TPH/WTPH-D 8015 (modified)		3
TPH 418, 1M/TPH 418.1		3
Aromatic Volatiles 602/8020		3
Volatile Organics 624/8240 (GC/MS)		3
Halogenated Volatiles 604/8010		3
Semi-volatile Organics 825/8270 (GC/MS)		3
Pesticides/PCBs 608/8080		3
Total Lead 7421		3
Priority Pollutant Metals (13)		3
TCLP Metals		3

Received by: [Signature] Date: 12/15/97
 Sign: [Signature] Company: Superior
 Print: [Signature] Time: 12:15

Relinquished by: [Signature] Date: 12/14/97
 Sign: Holly Corner Company: SECOR
 Print: Holly Corner Time: 1620

Special Instructions/Comments:
 Fax SAME DAY Results to Holly Corner at (509) 575-1694
 Fax all results to Cliff Schmidt at (425) 641-9092

Chain-of Custody Number: 23619

SECOR Chain-of Custody Record

Field Office: Belleve
 Address: 1540 SE 30th Place Ste. 100
Belleve, WA 98007
 Job Name: YRCA
 Location: Yakima, WA

Additional documents are attached, and are a part of this Record.

Project # 00378-001-01 Task # 3
 Project Manager Cliff Schmidt
 Laboratory Superior
 Turnaround Time Standard except SAME DAY for DEV-1
 Sampler's Name Holly Cornay/Ken Scott
 Sampler's Signature Holly Cornay/Ken Scott

Analysis Request	Number of Containers	Comments/Instructions
HCD TPHg/BTEX/TPH-G 8015 (modified)/8020 TPHd/WTPH-D 8015 (modified) TPH 418.1MTPH 418.1 Aromatic Volatiles 602/8020 Volatile Organics 624/8240 (GC/MS) Halogenated Volatiles 601/8010 Semi-volatile Organics 625/8270 (GC/MS) Pesticides/CBS 608/8080 Total Lead 7421 Priority Pollutant Metals (13) TCLP Metals	1	please Initial: Samples Stored in ice. Appropriate containers Samples preserved VOA's without headspace Comments: (X) SAME DAY RESULTS

Sample ID	Date	Time	Matrix
Trip Blank	11/18/97	—	Water
DEV-1-1297	12/14/97	1610	Water

Special Instructions/Comments:
 (* Same Day results to Holly in Yakima Fax: (509) 575-1694
 Fax all results to Cliff at (425) 641-9092

Relinquished by: HC
 Sign: Holly Cornay
 Print: Holly Cornay
 Company: SECOR
 Time: 1620 Date: 12/14/97
 Received by: Stacy
 Sign: [Signature]
 Print: Elavous
 Company: Superior
 Time: 1215 Date: 12/15/97
 Total no. of containers:
 Chain of custody seals:
 Recd. in good condition/cold:
 Conforms to record:
 Client:
 Client Contact:
 Client Phone:



Superior

Analytical Laboratory

SECOR
15400 30th Pl. STE 100
BELLEVUE, WA 98007

Date: December 15, 1997

Attn: CLIFF SCHMIDT

Laboratory Number : 23617

Project Number/Name : 00378-001-
Facility/Site : YRRA
YAKIMA, WA

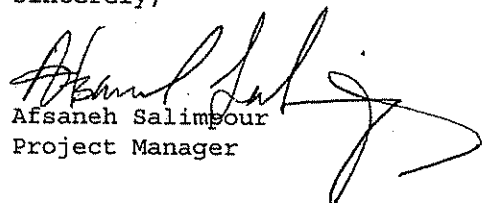
Dear CLIFF SCHMIDT:

Attached is Superior Analytical Laboratory report for the samples received on December 4, 1997. This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after January 3, 1998, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,


Afsaneh Salimpour
Project Manager


QA/QC
Approval



Superior

Analytical Laboratory

CASE NARRATIVE

SECOR

Project Number/Name: 00378-001-01 TASK 3
Laboratory Number: 23617

Sample Receipt

Eleven water samples were received by
Superior Analytical Laboratory on December 4, 1997.

Cooler temperature was 5.9°C

No abnormalities were noted with sample receiving.

Sample Analysis

The samples were analyzed for method 8010.

NOTE: Reproduction of this report is permitted only in its entirety.



Superior Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Chronology

Laboratory Number 23617

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TRIP BLANK	11/18/97	12/04/97	12/08/97	12/08/97	DL081.07	01
RI-3S-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	02
RI-3D-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	03
RI-7S-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	04
RI-7D-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	05
RI-9S-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	06
SG-MW-3	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	07
RI-9D-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	08
RI-8S-1297	12/03/97	12/04/97	12/08/97	12/08/97	DL081.07	09
RI-8D-1297	12/03/97	12/04/97	12/09/97	12/09/97	DL081.07	10
AG-MW-4	12/03/97	12/04/97	12/09/97	12/09/97	DL081.07	11

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
DL081.07-01	Method Blank	MB	Water	12/08/97	12/08/97
DL081.07-02	Laboratory Spike	LS	Water	12/08/97	12/08/97
DL081.07-03	RI-3S-1297	MS 23617-02	Water	12/08/97	12/08/97
DL081.07-04	RI-3S-1297	MSD 23617-02	Water	12/08/97	12/08/97



Superior

Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include 23617-01 (TRIP BLANK), 23617-02 (RI-3S-1297), 23617-03 (RI-3D-1297), and 23617-04 (RI-7S-1297).

RESULTS OF ANALYSIS

Main results table with 10 columns: Compound, 23617-01 (Conc., RL), 23617-02 (Conc., RL), 23617-03 (Conc., RL), 23617-04 (Conc., RL). Lists various compounds like Chloromethane, Vinyl Chloride, etc., with their respective concentrations and recovery percentages.

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Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
23617-05	RI-7D-1297	Water	1.0	-
23617-06	RI-9S-1297	Water	1.0	-
23617-07	SG-MW-3	Water	1.0	-
23617-08	RI-9D-1297	Water	1.0	-

RESULTS OF ANALYSIS

Compound	23617-05		23617-06		23617-07		23617-08	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Vinyl Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dichloromethane	ND	2.5	ND	2.5	ND	2.5	ND	2.5
t-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chloroform	ND	0.5	ND	0.5	1.0	0.5	ND	0.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Carbon tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
c-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
t-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Tetrachloroethene	ND	0.5	1.5	0.5	4.2	0.5	ND	0.5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Bromochloromethane	94		88		94		94	
4-Bromofluorobenzene	91		85		91		92	



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Analytical Laboratory

SECOR
Attn: CLIFF SCHMIDT

Project 00378-001-01 TASK 3
Reported on December 12, 1997

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Table with 5 columns: LAB ID, Sample ID, Matrix, Dil. Factor, Moisture. Rows include samples 23617-09, 23617-10, and 23617-11.

RESULTS OF ANALYSIS

Main results table with 7 columns: Compound, 23617-09 Conc. ug/L, 23617-09 RL, 23617-10 Conc. ug/L, 23617-10 RL, 23617-11 Conc. ug/L, 23617-11 RL. Lists various compounds like Chloromethane, Vinyl Chloride, etc.



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23617

Method Blank(s)

DL081.07-01

Conc. RL

ug/L

Chloromethane	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Chloroethane	ND	0.5
Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Dichloromethane	ND	2.5
t-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
c-1,2-Dichloroethene	ND	0.5
Chloroform	ND	0.5
1,1,1-Trichloroethane	ND	0.5
Carbon tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
c-1,3-Dichloropropene	ND	0.5
1,2-Dichloropropane	ND	0.5
t-1,3-Dichloropropene	ND	0.5
Bromodichloromethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
>> Surrogate Recoveries (%) <<		
Bromochloromethane	97	
4-Bromofluorobenzene	95	



Superior

Analytical Laboratory

Halogenated Volatile Organics by EPA SW-846 Methods 5030/8010

Quality Assurance and Control Data

Laboratory Number: 23617

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
DL081.07 02 / - Laboratory Control Spikes						
1,1-Dichloroethene		20	20	100	70-130	
Trichloroethene		20	18	90	60-130	
Chlorobenzene		20	21	105	75-130	
>> Surrogate Recoveries (%) <<						
Bromochloromethane				100	70-120	
4-Bromofluorobenzene				102	60-125	
For Water Matrix (ug/L)						
DL081.07 03 / 04 - Sample Spiked: 23617 - 02						
1,1-Dichloroethene	ND	20	23/22	115/110	70-130	4
Trichloroethene	ND	20	19/18	95/90	60-130	5
Chlorobenzene	ND	20	22/21	110/105	75-130	5
>> Surrogate Recoveries (%) <<						
Bromochloromethane				111/108	70-120	
4-Bromofluorobenzene				109/107	60-125	

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)

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23617

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleve
 Address: 15400 SE 30th Pl. Ste 100
Belleve, WA 98007
 Job Name: YRRA
 Location: Yakima, WA

Additional documents are attached, and are a part of this Record.

Project # 00378-001-01 Task # 3
 Project Manager Cliff Schmidt
 Laboratory supplied
 Turnaround Time Standard 5-day

Sampler's Name Holly Corner/Ken Scott
 Sampler's Signature Holly Corner/Ken Scott

Sample ID	Date	Time	Matrix
1 Trip Blank	11/18/97	-	water
2 RI-3s-1297	12/19/97	0855	
3 RI-3d-1297		0910	
4 RI-7s-1297		1045	
5 RI-7d-1297		1105	
6 RI-9s-1297		1255	
7 SG-MW-3		0900	
8 RI-9d-1297		1315	
9 RI-8s-1297		1430	
10 AI-8d-1297		1500	

Analysis Request													
HCID	TPHq/BTEX/TPH-G 8015 (modified)/8020	TPHd/TPH-D 8015 (modified)	TPH 418.1/MTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
						X							1
						X							3
						X							3
						X							3
						X						note "use first" vial	3
						X							3
						X							3
						X							3
						X							3

Special Instructions/Comments:
 Relinquished by: HC
 Sign Holly Corner
 Print Holly Corner
 Company Holly Corner
 Time 1000 Date 12/13/97
 Relinquished by:
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____
 Received by:
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____
 Total no. of containers:
 Chain of custody seals:
 Recd. in good condition/cold:
 Conforms to record:
 Client: YRRA
 Client Contact: _____
 Date 12/13/97 Client Phone: _____

Standard 5-day TAT

23617

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleveue
 Address: 15400 SE 30th Pl. Ste 100
Belleveue, WA 98007

Additional documents are attached, and are a part of this Record.

Job Name: YRRA
 Location: Yekima, WA

Project # 00378-001-01 Task # 3
 Project Manager Cliff Schmidt
 Laboratory Superior
 Turnaround Time standard 5-day

Sampler's Name Ken Scott
 Sampler's Signature [Signature]

Analysis Request		Comments/Instructions	Number of Containers
Sample ID	Matrix		
AG-MW-4	water	Please Initial: Samples stored in ice. Appropriate containers samples preserved VOA's without headspace Comments:	3

Special Instructions/Comments:
 Fax results to Cliff Schmidt
 at (425) 641-9092

Standard 5-day TAT

HCID	TPHg/BTEX/WTPH-G 8015 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/MTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals
						X					

Relinquished by: HEC
 Sign Holly Cornish
 Print Holly Cornish
 Company SECOR
 Time 1600 Date 12/13/97

Received by:
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Client: YRRA
 Client Contact: _____
 Client Phone: _____

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cool: _____
 Conforms to record: _____



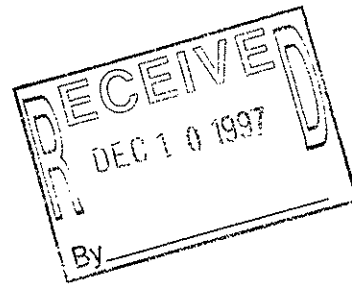
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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
RI-4s-1297	B712157-01	Water	12/5/97
RI-4d-1297	B712157-02	Water	12/5/97



North Creek Analytical, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
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Halogenated Volatile Organics by EPA Method 8010B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-4s-1297</u>				<u>B712157-01</u>			<u>Water</u>	
Bromodichloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
Chloroform	"	"	"		1.00	1.46	"	
Chloromethane	"	"	"		1.00	ND	"	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	10.4	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>92.0</i>	<i>%</i>	

<u>RI-4d-1297</u>				<u>B712157-02</u>			<u>Water</u>	
Bromodichloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
Chloroform	"	"	"		1.00	ND	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
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Halogenated Volatile Organics by EPA Method 8010B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-4d-1297 (continued)				B712157-02			Water	
Chloromethane	1270210	12/8/97	12/8/97		1.00	ND	ug/l	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	1.73	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>79.8</i>	<i>%</i>	


Matthew Essig, Project Manager



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Secor-Bellevue
 15400 SE 30th Place, Ste. 100
 Bellevue, WA 98007

Project: YRRA, Yakima, WA
 Project Number: 00378-001-01
 Project Manager: Cliff Schmitt

Sampled: 12/5/97
 Received: 12/8/97
 Reported: 12/9/97 12:57

Halogenated Volatile Organics by EPA Method 8010B (modified)/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*
Batch: 1270210		Date Prepared: 12/8/97		Extraction Method: EPA 5030 [P/T]						
Blank		1270210-BLK1								
Bromodichloromethane	12/8/97			ND	ug/l	1.00				
Bromoform	"			ND	"	1.00				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	1.00				
Chlorobenzene	"			ND	"	1.00				
Chloroethane	"			ND	"	1.00				
Chloroform	"			ND	"	1.00				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	1.00				
1,2-Dichlorobenzene	"			ND	"	1.00				
1,3-Dichlorobenzene	"			ND	"	1.00				
1,4-Dichlorobenzene	"			ND	"	1.00				
1,1-Dichloroethane	"			ND	"	1.00				
1,2-Dichloroethane	"			ND	"	1.00				
1,1-Dichloroethene	"			ND	"	1.00				
cis-1,2-Dichloroethene	"			ND	"	1.00				
trans-1,2-Dichloroethene	"			ND	"	1.00				
1,2-Dichloropropane	"			ND	"	1.00				
cis-1,3-Dichloropropene	"			ND	"	1.00				
trans-1,3-Dichloropropene	"			ND	"	1.00				
Methylene chloride	"			ND	"	5.00				
1,1,1,2-Tetrachloroethane	"			ND	"	1.00				
Tetrachloroethene	"			ND	"	1.00				
1,1,1-Trichloroethane	"			ND	"	1.00				
1,1,2-Trichloroethane	"			ND	"	1.00				
Trichloroethene	"			ND	"	1.00				
Trichlorofluoromethane	"			ND	"	1.00				
Vinyl chloride	"			ND	"	1.00				
Surrogate: 4-BFB (ELCD)	"	4.00		4.96	"	50.0-150	124			
LCS		1270210-BS1								
Chlorobenzene	12/8/97	10.0		9.40	-ug/l	70.0-130	94.0			
1,1-Dichloroethene	"	10.0		9.34	"	70.0-130	93.4			
Trichloroethene	"	10.0		10.8	"	70.0-130	108			
Surrogate: 4-BFB (ELCD)	"	4.00		4.53	"	50.0-150	113			

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*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

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PORTLAND ■ (503) 643-9200 ■ FAX 644-2202

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
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Halogenated Volatile Organics by EPA Method 8010B (modified)/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*
Matrix Spike		1270210-MS1	B712149-01							
Chlorobenzene	12/8/97	10.0	ND	9.38	ug/l	70.0-130	93.8			
1,1-Dichloroethene	"	10.0	ND	9.30	"	70.0-130	93.0			
Trichloroethene	"	10.0	ND	10.5	"	70.0-130	105			
Surrogate: 4-BFB (ELCD)	"	4.00		3.59	"	50.0-150	89.7			
Matrix Spike Dup		1270210-MSD1	B712149-01							
Chlorobenzene	12/8/97	10.0	ND	9.65	ug/l	70.0-130	96.5	20.0	2.84	
1,1-Dichloroethene	"	10.0	ND	10.2	"	70.0-130	102	20.0	9.23	
Trichloroethene	"	10.0	ND	11.1	"	70.0-130	111	20.0	5.56	
Surrogate: 4-BFB (ELCD)	"	4.00		3.74	"	50.0-150	93.5			

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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 12/5/97 Received: 12/8/97 Reported: 12/9/97 12:57
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Notes and Definitions

#	Note
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- 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, Inc.


 Matthew Essig, Project Manager

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Chain-of Custody Number: **B712157**

SECOR Chain-of Custody Record

Field Office: Bellaire
Address: 15700 SE 30th Pl., Ste 100
Bellaire, WA 98007
Job Name: YKRA
Location: Yakima, WA

Additional documents are attached, and are a part of this Record.

Project # 00378-ED1-01 Task # 3
Project Manager Cliff Schmidt
Laboratory Supends
Turnaround Time 24 hours

Sampler's Name Holly Corner
Sampler's Signature Holly Corner

Sample ID	Date	Time	Matrix
<u>RI-45-1297</u>	<u>1325</u>	<u>1925</u>	<u>water</u>
<u>RI-44-1297</u>	<u>1340</u>	<u>1740</u>	<u>water</u>

HCID	TPH/BTEX/TPH-G 8015 (modified)/8020	TPH/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
						<u>XX</u>			<u>B712157-01</u>			<u>Results ASAP -</u> <u>by 3pm Friday 12/18/97</u> <u>Tuesday 12/19/97</u> <u>for RI-45-1297</u> <u>only. Standard</u> <u>TAT for RI-44-1297</u>	<u>3</u>

Special Instructions/Comments:
Please fax results to
Cliff Schmidt at
(425) 641-9092
for RI-45-1297 only
Results needed by
3pm on Tues. 12/19/97

Relinquished by: He
Sign Holly Corner
Print Holly Corner
Company SDAC
Time 1507 Date 12/18/97

Relinquished by: _____
Sign _____
Print _____
Company _____
Time _____ Date _____

Relinquished by: D. HERR
Sign D. HERR
Print D. HERR
Company NLA B
Time 15:07 Date 12/18/97

Relinquished by: _____
Sign _____
Print _____
Company _____
Time _____ Date _____

Sample Receipt
Total no. of containers: _____
Chain of custody seals: _____
Rec'd. in good condition/cold: _____
Conforms to record: _____

Client: YKRA
Client Contact: _____
Client Phone: _____



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
CYI-103d-0398	B803089-01	Water	3/2/98
CYI-103s-0398	B803089-02	Water	3/2/98
RI-1s-0398	B803089-03	Water	3/2/98
RI-1d-0398	B803089-04	Water	3/2/98
A-MW-3-0398	B803089-05	Water	3/2/98
RI-2s-0398	B803089-06	Water	3/2/98
RI-2d-0398	B803089-07	Water	3/2/98
RI-3s-0398	B803089-08	Water	3/2/98
RI-3d-0398	B803089-09	Water	3/2/98
N-MW-2-0398	B803089-10	Water	3/2/98
Trip Blank	B803089-11	Water	2/26/98
U-YS-2-0398	B803089-12	Water	3/3/98
RI-5d-0398	B803089-13	Water	3/3/98
RI-5s-0398	B803089-14	Water	3/3/98
G-MW-2-0398	B803089-15	Water	3/3/98
AG-MW-4-0398	B803089-16	Water	3/3/98
RI-13s-0398	B803089-17	Water	3/3/98
RI-13d-0398	B803089-18	Water	3/3/98
RI-14s-0398	B803167-01	Water	3/3/98
RI-14d-0398	B803167-02	Water	3/3/98

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
P-MW-3-0398	B803167-03	Water	3/4/98
FW-MW-1-0398	B803167-04	Water	3/4/98
RI-7s-0398	B803167-05	Water	3/4/98
RI-7d-0398	B803167-06	Water	3/4/98
RI-12s-0398	B803167-07	Water	3/4/98
RI-12d-0398	B803167-08	Water	3/4/98
Trip Blank	B803167-09	Water	2/26/98
BOTTLE-LOT-1-0398	B803167-10	Water	3/4/98
SG-MW-3-0398	B803167-11	Water	3/5/98
RI-6s-0398	B803167-12	Water	3/5/98
RI-6d-0398	B803167-13	Water	3/5/98
RINSATE-RI-6d-0398	B803167-14	Water	3/5/98
BOTTLE-LOT-2-0398	B803167-15	Water	3/5/98
WI-W-8-0398	B803167-16	Water	3/5/98
RI-4s-0398	B803167-17	Water	3/5/98
RI-4d-0398-0398	B803167-18	Water	3/5/98
RI-15s-0398	B803167-19	Water	3/5/98
RI-15d-0398	B803167-20	Water	3/5/98
RINSATE-RI8-0398	B803167-21	Water	3/4/98
RI-8s-0398	B803167-22	Water	3/4/98

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

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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
RI-8d-0398	B803167-23	Water	3/4/98
RI-9s-0398	B803167-24	Water	3/4/98
RI-9d-0398	B803167-25	Water	3/4/98
RI-10s-0398	B803167-26	Water	3/4/98
RI-10d-0398	B803167-27	Water	3/4/98
WM-MW-2-0398	B803167-28	Water	3/5/98
RI-11s-0398	B803167-29	Water	3/5/98
RI-11d-0398	B803167-30	Water	3/5/98
H-MW-2-0398	B803167-31	Water	3/5/98
RI-16s-0398	B803167-32	Water	3/5/98
BNRR-S-0398	B803167-33	Water	3/5/98
BNRR-d-0398	B803167-34	Water	3/5/98

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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>CYI-103d-0398</u>				<u>B803089-01</u>		<u>Water</u>		
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.86	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.08	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>94.4</i>	<i>%</i>	
<u>CYI-103s-0398</u>				<u>B803089-02</u>		<u>Water</u>		
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.75	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>CYI-103s-0398 (continued)</u>				<u>B803089-02</u>			<u>Water</u>	
Chloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	11.1	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	3/10/98		5.00	94.9	"	
1,1,1-Trichloroethane	"	"	3/9/98		0.500	0.879	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	3.50	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		80.2	%	
<u>RI-1s-0398</u>				<u>B803089-03</u>			<u>Water</u>	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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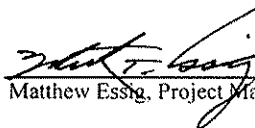
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1s-0398 (continued)				B803089-03			Water	
1,1-Dichloroethene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-FFB (ELCD)	"	"	"	50.0-150		98.9	%	
RI-1d-0398				B803089-04			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S W Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1d-0398 (continued)				B803089-04			Water	
1,1,2,2-Tetrachloroethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		98.7	%	
A-MW-3-0398				B803089-05			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	4.07	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	15.6	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
A-MW-3-0398 (continued)		B803089-05			Water			
Surrogate: 4-BFB (ELCD)	0380221	3/9/98	3/9/98	50.0-150		85.4	%	
RI-2s-0398		B803089-06			Water			
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.577	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.584	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		91.5	%	
RI-2d-0398		B803089-07			Water			
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-2d-0398 (continued)				B803089-07			Water	
Chlorobenzene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.9	%	
RI-3s-0398				B803089-08			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	1.19	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	16.8	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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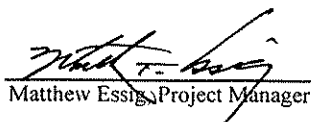
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-3s-0398 (continued)				B803089-08			Water	
1,4-Dichlorobenzene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		95.9	%	
RI-3d-0398				B803089-09			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.84	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-3d-0398 (continued)				B803089-09			Water	
cis-1,3-Dichloropropene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		94.3	%	
N-MW-2-0398				B803089-10			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.759	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.38	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	7.56	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.86	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue
 15400 SE 30th Place, Ste. 100
 Bellevue, WA 98007

Project: YRRA, Yakima, WA
 Project Number: 00378-001-01
 Project Manager: Cliff Schmitt

Sampled: 3/2/98 to 3/5/98
 Received: 3/4/98 to 3/6/98
 Reported: 3/18/98 16:20

Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>N-MW-2-0398 (continued)</u>				<u>B803089-10</u>			<u>Water</u>	
Trichloroethene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		92.6	%	
<u>Trip Blank</u>				<u>B803089-11</u>			<u>Water</u>	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	1.51	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		106	%	
<u>U-YS-2-0398</u>				<u>B803089-12</u>			<u>Water</u>	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-YS-2-0398 (continued)				B803089-12			Water	
Bromoform	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		84.8	%	
RI-5d-0398				B803089-13			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.524	"	
Chloromethane	"	"	"		0.500	ND	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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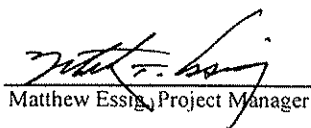
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-5d-0398 (continued)				B803089-13			Water	
Dibromochloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.5	%	
RI-5s-0398				B803089-14			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.696	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-5s-0398 (continued)				B803089-14			Water	
cis-1,2-Dichloroethene	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.555	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		78.7	%	
G-MW-2-0398				B803089-15			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	13.4	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
G-MW-2-0398 (continued)				B803089-15			Water	
Tetrachloroethene	0380221	3/9/98	3/9/98		0.500	11.9	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		73.1	%	
AG-MW-4-0398				B803089-16			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.742	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.759	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	1.71	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	4.70	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	0.975	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		84.5	%	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13s-0398				B803089-17			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.519	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>99.9</i>	<i>%</i>	
RI-13d-0398				B803089-18			Water	
Bromodichloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.872	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13d-0398 (continued)				B803089-18			Water	
Chloromethane	0380221	3/9/98	3/9/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		112	%	
RI-14s-0398				B803167-01			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.49	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-14s-0398 (continued)				B803167-01			Water	
1,1-Dichloroethene	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		71.4	%	
RI-14d-0398				B803167-02			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.75	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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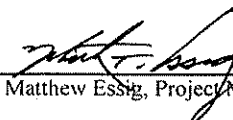
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-14d-0398 (continued)				B803167-02			Water	
1,1,2,2-Tetrachloroethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.0	%	
P-MW-3-0398				B803167-03			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.13	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	2.51	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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Matthew Essig, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

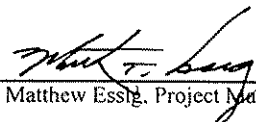
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
P-MW-3-0398 (continued)				B803167-03		Water		
Surrogate: 4-BFB (ELCD)	0380354	3/12/98	3/12/98	50.0-150		71.2	%	
FW-MW-1-0398				B803167-04		Water		
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.11	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	5.00	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	3/13/98		50.0	927	"	
1,1,1-Trichloroethane	"	"	3/12/98		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	3/13/98		50.0	ND	"	
Trichlorofluoromethane	"	"	3/12/98		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		84.7	%	
RI-7s-0398				B803167-05		Water		
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7s-0398 (continued)				B803167-05			Water	
Chlorobenzene	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.5	%	

RI-7d-0398				B803167-06			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7d-0398 (continued)				B803167-06	Water			
1,4-Dichlorobenzene	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		77.8	%	
RI-12s-0398				B803167-07	Water			
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.43	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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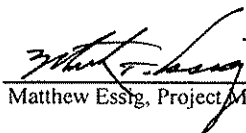
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-12s-0398 (continued)				B803167-07		Water		
cis-1,3-Dichloropropene	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		87.8	%	
RI-12d-0398				B803167-08		Water		
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S W Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-12d-0398 (continued)				B803167-08			Water	
Trichloroethene	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.7	%	
Trip Blank				B803167-09			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	1.10	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	6.96	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		77.0	%	
BOTTLE-LOT-1-0398				B803167-10			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BOTTLE-LOT-1-0398 (continued)				B803167-10			Water	
Bromoform	0380354	3/12/98	3/12/98		0.500	0.574	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.21	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	5.92	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		86.7	%	
SG-MW-3-0398				B803167-11			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.37	"	
Chloromethane	"	"	"		0.500	ND	"	

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*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SG-MW-3-0398 (continued)				B803167-11			Water	
Dibromochloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	5.03	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>73.9</i>	<i>%</i>	
RI-6s-0398				B803167-12			Water	
Bromodichloromethane	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.38	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.

Matthew Esstg, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-6s-0398 (continued)				B803167-12			Water	
cis-1,2-Dichloroethene	0380354	3/12/98	3/12/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.604	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>84.3</i>	<i>%</i>	
RI-6d-0398				B803167-13			Water	
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	7.86	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

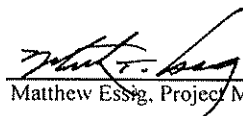
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-6d-0398 (continued)				B803167-13			Water	
Tetrachloroethene	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		77.6	%	
RINSATE-RI-6d-0398				B803167-14			Water	
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.631	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	8.14	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		103	%	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>BOTTLE-LOT-2-0398</u>				<u>B803167-15</u>			<u>Water</u>	
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.684	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		76.1	%	
<u>WI-W-8-0398</u>				<u>B803167-16</u>			<u>Water</u>	
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.679	"	

North Creek Analytical, Inc.

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
WI-W-8-0398 (continued)				B803167-16			Water	
Chloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.53	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		71.0	%	
RI-4s-0398				B803167-17			Water	
Bromodichloromethane	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-4s-0398 (continued)				B803167-17			Water	
1,1-Dichloroethene	0380354	3/12/98	3/13/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	13.2	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		74.2	%	
RI-4d-0398-0398				B803167-18			Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.693	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	

North Creek Analytical, Inc.

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-4d-0398-0398 (continued)				B803167-18			Water	
1,1,2,2-Tetrachloroethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		121	%	
RI-15s-0398				B803167-19			Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.502	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	13.4	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-15s-0398 (continued)		B803167-19					Water	
Surrogate: 4-BFB (ELCD)	0380398	3/14/98	3/14/98	50.0-150		109	%	
RI-15d-0398		B803167-20					Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.763	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	5.10	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		122	%	
RINSATE-RIS-0398		B803167-21					Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.691	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RINSATE-RI8-0398 (continued)				B803167-21			Water	
Chlorobenzene	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.94	"	
Chloromethane	"	"	"		0.500	0.608	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		106	%	
RI-8s-0398				B803167-22			Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.580	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.51	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8s-0398 (continued)				B803167-22			Water	
1,4-Dichlorobenzene	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.753	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.5	%	
RI-8d-0398				B803167-23			Water	
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S W Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
CREEK
ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8d-0398 (continued)				B803167-23		Water		
cis-1,3-Dichloropropene	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		98.8	%	
RI-9s-0398				B803167-24		Water		
Bromodichloromethane	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.784	"	
Chloromethane	"	"	"		0.500	0.864	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.25	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Reaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-9s-0398 (continued)				B803167-24			Water	
Trichloroethene	0380398	3/14/98	3/14/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.7	%	
RI-9d-0398				B803167-25			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		84.3	%	
RI-10s-0398				B803167-26			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-10s-0398 (continued)				B803167-26			Water	
Bromoform	0380398	3/14/98	3/15/98		0.500	0.665	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.20	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	2.04	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		101	%	
RI-10d-0398				B803167-27			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.540	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA; Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-10d-0398 (continued)				B803167-27			Water	
Dibromochloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		80.3	%	
WM-MW-2-0398				B803167-28			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	1.04	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.47	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
WM-MW-2-0398 (continued)				B803167-28			Water	
cis-1,2-Dichloroethene	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.20	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		119	%	
RI-11s-0398				B803167-29			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.586	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.34	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-11s-0398 (continued)				B803167-29			Water	
Tetrachloroethene	0380398	3/14/98	3/15/98		0.500	1.03	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		105	%	
RI-11d-0398				B803167-30			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.500	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.531	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		105	%	

North Creek Analytical, Inc.

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
H-MW-2-0398				B803167-31		Water		
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.02	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	6.49	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	

RI-16s-0398				B803167-32		Water		
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	7.58	"	

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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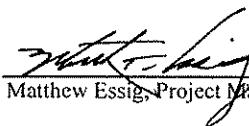
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-16s-0398 (continued)</u>				<u>B803167-32</u>			<u>Water</u>	
Chloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	1.75	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	21.3	"	
1,1,1-Trichloroethane	"	"	"		0.500	6.36	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	0.852	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		105	%	
<u>BNRR-S-0398</u>				<u>B803167-33</u>			<u>Water</u>	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	6.85	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	1.49	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S W Nimbus Avenue, Beaverton, OR 97008-7132



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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BNRR-S-0398 (continued)				B803167-33			Water	
1,1-Dichloroethene	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	19.3	"	
1,1,1-Trichloroethane	"	"	"		0.500	5.62	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	0.753	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
BNRR-d-0398				B803167-34			Water	
Bromodichloromethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	0.771	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	7.02	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	0.547	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	

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Matthew Essig, Project Manager

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue Beaverton, OR 97008-7132



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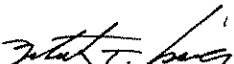
Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>BNRR-d-0398 (continued)</u>				<u>B803167-34</u>			<u>Water</u>	
1,1,2,2-Tetrachloroethane	0380398	3/14/98	3/15/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	0.771	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.35	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		99.7	%	


 Matthew Essig, Project Manager



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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Batch: 0380221		Date Prepared: 3/9/98		Extraction Method: EPA 5030B [P/T]						
Blank		0380221-BLK1								
Bromodichloromethane	3/9/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		12.4	"	50.0-150	124			
LCS		0380221-BS1								
Chlorobenzene	3/9/98	10.0		9.32	ug/l	70.0-130	93.2			
1,1-Dichloroethene	"	10.0		10.9	"	70.0-130	109			
Trichloroethene	"	10.0		10.7	"	70.0-130	107			
Surrogate: 4-BFB (ELCD)	"	10.0		11.0	"	50.0-150	110			

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimhus Avenue, Beaverton, OR 97008-7132



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Matrix Spike	0380221-MS1	B803089-01								
Chlorobenzene	3/9/98	10.0	ND	9.11	ug/l	70.0-130	91.1			
1,1-Dichloroethene	"	10.0	ND	11.1	"	70.0-130	111			
Trichloroethene	"	10.0	ND	10.2	"	70.0-130	102			
Surrogate: 4-BFB (ELCD)	"	10.0		9.45	"	50.0-150	94.5			
Matrix Spike Dup	0380221-MSD1	B803089-01								
Chlorobenzene	3/9/98	10.0	ND	9.47	ug/l	70.0-130	94.7	20.0	3.88	
1,1-Dichloroethene	"	10.0	ND	12.4	"	70.0-130	124	20.0	11.1	
Trichloroethene	"	10.0	ND	9.12	"	70.0-130	91.2	20.0	11.2	
Surrogate: 4-BFB (ELCD)	"	10.0		7.12	"	50.0-150	71.2			

Batch: 0380354

Date Prepared: 3/12/98

Extraction Method: EPA 5030B [P/T]

Blank

0380354-BLK1

Analyte	Date Analyzed	QC Result	Units	Reporting Limit
Bromodichloromethane	3/12/98	ND	ug/l	0.500
Bromoform	"	ND	"	0.500
Bromomethane	"	ND	"	0.500
Carbon tetrachloride	"	ND	"	0.500
Chlorobenzene	"	ND	"	0.500
Chloroethane	"	ND	"	0.500
Chloroform	"	ND	"	0.500
Chloromethane	"	ND	"	0.500
Dibromochloromethane	"	ND	"	0.500
1,2-Dichlorobenzene	"	ND	"	0.500
1,3-Dichlorobenzene	"	ND	"	0.500
1,4-Dichlorobenzene	"	ND	"	0.500
1,1-Dichloroethane	"	ND	"	0.500
1,2-Dichloroethane	"	ND	"	0.500
1,1-Dichloroethene	"	ND	"	0.500
cis-1,2-Dichloroethene	"	ND	"	0.500
trans-1,2-Dichloroethene	"	ND	"	0.500
1,2-Dichloropropane	"	ND	"	0.500
cis-1,3-Dichloropropene	"	ND	"	0.500
trans-1,3-Dichloropropene	"	ND	"	0.500
Methylene chloride	"	ND	"	5.00
1,1,2,2-Tetrachloroethane	"	ND	"	0.500
Tetrachloroethene	"	ND	"	0.500
1,1,1-Trichloroethane	"	ND	"	0.500
1,1,2-Trichloroethane	"	ND	"	0.500

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)		0380354-BLK1								
Trichloroethene	3/12/98			ND	ug/l	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		10.3	"	50.0-150	103			
LCS		0380354-BS1								
Chlorobenzene	3/12/98	10.0		9.48	ug/l	70.0-130	94.8			
1,1-Dichloroethene	"	10.0		11.1	"	70.0-130	111			
Trichloroethene	"	10.0		10.4	"	70.0-130	104			
Surrogate: 4-BFB (ELCD)	"	10.0		7.28	"	50.0-150	72.8			
Matrix Spike		0380354-MS1		B803167-01						
Chlorobenzene	3/12/98	10.0	ND	8.67	ug/l	70.0-130	86.7			
1,1-Dichloroethene	"	10.0	ND	11.6	"	70.0-130	116			
Trichloroethene	"	10.0	ND	9.62	"	70.0-130	96.2			
Surrogate: 4-BFB (ELCD)	"	10.0		7.49	"	50.0-150	74.9			
Matrix Spike Dup		0380354-MSD1		B803167-01						
Chlorobenzene	3/12/98	10.0	ND	10.5	ug/l	70.0-130	105	20.0	19.1	
1,1-Dichloroethene	"	10.0	ND	10.8	"	70.0-130	108	20.0	7.14	
Trichloroethene	"	10.0	ND	11.3	"	70.0-130	113	20.0	16.1	
Surrogate: 4-BFB (ELCD)	"	10.0		9.13	"	50.0-150	91.3			

Batch: 0380398

Date Prepared: 3/14/98

Extraction Method: EPA 5030B [P/T]

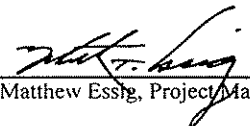
Blank

0380398-BLK1

Bromodichloromethane	3/14/98			ND	ug/l	0.500			
Bromoform	"			ND	"	0.500			
Bromomethane	"			ND	"	0.500			
Carbon tetrachloride	"			ND	"	0.500			
Chlorobenzene	"			ND	"	0.500			
Chloroethane	"			ND	"	0.500			
Chloroform	"			ND	"	0.500			
Chloromethane	"			ND	"	0.500			
Dibromochloromethane	"			ND	"	0.500			
1,2-Dichlorobenzene	"			ND	"	0.500			
1,3-Dichlorobenzene	"			ND	"	0.500			
1,4-Dichlorobenzene	"			ND	"	0.500			
1,1-Dichloroethane	"			ND	"	0.500			

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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Page 49 of 51

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)										
0380398-BLK1										
1,2-Dichloroethane	3/14/98			ND	ug/l	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		8.71	"	50.0-150	87.1			
LCS										
0380398-BS1										
Chlorobenzene	3/14/98	10.0		8.72	ug/l	70.0-130	87.2			
1,1-Dichloroethene	"	10.0		11.9	"	70.0-130	119			
Trichloroethene	"	10.0		9.21	"	70.0-130	92.1			
Surrogate: 4-BFB (ELCD)	"	10.0		10.4	"	50.0-150	104			
Matrix Spike										
0380398-MS1 B803167-18										
Chlorobenzene	3/14/98	10.0	ND	8.93	ug/l	70.0-130	89.3			
1,1-Dichloroethene	"	10.0	ND	8.60	"	70.0-130	86.0			
Trichloroethene	"	10.0	ND	8.10	"	70.0-130	81.0			
Surrogate: 4-BFB (ELCD)	"	10.0		11.3	"	50.0-150	113			
Matrix Spike Dup										
0380398-MSD1 B803167-18										
Chlorobenzene	3/14/98	10.0	ND	9.26	ug/l	70.0-130	92.6	20.0	3.63	
1,1-Dichloroethene	"	10.0	ND	9.32	"	70.0-130	93.2	20.0	8.04	
Trichloroethene	"	10.0	ND	8.90	"	70.0-130	89.0	20.0	9.41	
Surrogate: 4-BFB (ELCD)	"	10.0		10.2	"	50.0-150	102			



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PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 3/2/98 to 3/5/98 Received: 3/4/98 to 3/6/98 Reported: 3/18/98 16:20
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Notes and Definitions

#	Note
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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, Inc.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

CHAIN OF CUSTODY REPORT

Work Order # B803089

REPORT TO: SECOR ATTENTION: Holly Corner ADDRESS: 15400 SE 30th Pl., Ste. 100 Bellevue, WA 98007 PHONE: (425) 641-4900 FAX: (425) 641-9092 PROJECT NAME: YRRA PROJECT NUMBER: 00378-001-01 SAMPLED BY: Jason Ebert Holly Corner CLIENT SAMPLE ID: (Laboratory Use Only)		INVOICE TO: ATTENTION: (Same) ADDRESS: P.O. NUMBER: Analysis Request: BGR halo spe BGR halo spe																				
TURNAROUND REQUEST in Business Days * <input checked="" type="checkbox"/> 0 Same Day <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 7		Organic & Inorganic Analyses <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5																				
OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.		Fuels & Hydrocarbon Analyses <input type="checkbox"/> 1 Same Day <input type="checkbox"/> 2 <input type="checkbox"/> 3-4 <input type="checkbox"/> 5 Standard																				
MATRIX (W, S, A, O) water		# OF CONTAINERS 3																				
COMMENTS		COMMENTS																				
1	6YI-105d-0398	9/14/98 1015	B803089-01	X																		
2	6YI-103s-0398	1040		X																		
3	RI-1s-0398	1140		X																		
4	RI-1d-0398	1145		X																		
5	A-MW-3-0398	1250		X																		
6	RI-2s-0398	1400		X																		
7	RI-2d-0398	1415		X																		
8	RI-3s-0398	1615		X																		
9	RI-3d-0398	1720		X																		
10	N-MW-2-0398	1700		X																		
RELINQUISHED BY (Signature): Holly Corner		DATE: 9/24/98		RECEIVED BY (Signature): Lisa Hawley		DATE: 9/4/98		FIRM: SECOR		TIME: 1615		FIRM: NCA		TIME: 1030								
RELINQUISHED BY (Signature): Holly Corner		DATE:		RECEIVED BY (Signature):		DATE:		FIRM:		TIME:		FIRM:		TIME:								
PRINT NAME: Holly Corner		DATE:		PRINT NAME:		DATE:		FIRM:		TIME:		FIRM:		TIME:								
ADDITIONAL REMARKS: Attn: Matt Essig - special detection limits Fax results to C. Schmit at SECOR		PRINT NAME:		DATE:		PRINT NAME:		FIRM:		TIME:		FIRM:		TIME:								



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

18919 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

CHAIN OF CUSTODY REPORT

Work Order # 6803089

REPORT TO:		INVOICE TO:	
SECOR		(Same)	
ATTENTION: Holly Corner			
ADDRESS: 15400 SE 30th Pl, Ste 100			
PHONE: (425) 644-0900 (425) 644-9092			
PROJECT NAME: YRRA		NCA QUOTE #:	
PROJECT NUMBER: CC578-001-01			
SAMPLED BY: Holly Corner / K. Smith			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	
1. Trip Blank	3/16/98	6803089-11	X
2. 4-Y5-2-0398	3/16/98, 0935	12	X
3. RI-5d-0398	1020	13	X
4. RI-5s-0398	1010	14	X
5. G-MW-2-0398	1215	15	X
6. AG-MW-4-0398	1550	16	X
7. RI-13s-0398	1550	17	X
8. RI-13d-0398	1600	18	X
9.			
10.			

RELINQUISHED BY (Signature): Holly Corner	DATE: 3/16/98	RECEIVED BY (Signature): Lisa Hurlay	DATE: 3/16/98
PRINT NAME: Holly Corner	FIRM: SECOR	PRINT NAME: Lisa Hurlay	FIRM: N/A
RELINQUISHED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:
ADDITIONAL REMARKS: Affn: Matt Essig Special Detection Limits			

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 7 Standard, 5, 4, 3, 2, 1 Same Day

Fuels & Hydrocarbon Analyses: 5 Standard, 3-4, 2, 1 Same Day

OTHER Specify: _____

* Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W.S.A.O)	# OF CONTAINERS	COMMENTS
water	2	
	3	
	3	
	3	
	3	
	3	
	3	

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Bellevue
 Address: 15400 SE 30th Pl. St. 100
Bellevue, WA 98007
 Additional documents are attached, and are a part of this Record.
 Job Name: YRFA
 Location: Yakima, WA

Project # 10378-00101 Task # 08
 Project Manager C. Schmitt
 Laboratory NCA
 Turnaround Time Standard

Sampler's Name Holly Garner / Ken Scott
 Sampler's Signature Holly Garner / Ken Scott

Sample ID	Date	Time	Matrix
RI-14s-0398	3/3/98	1715	water
RI-14d-0398	3/3/98	1750	
P-11W-3-0398	3/4/98	0730	
FW-MW-1-0398		0950	
RI-7s-0398		1005	
RI-7d-0398		1010	
RI-12s-0398	4/1/98	1145	
RI-12d-0398		1150	
TRIP Blank	2/26/98	-	
BOTTLE-LDT-1-0398	3/4/98	1345	

Special Instructions/Comments:
With: Matt Essig
project - specific detection limits.

Analysis Request																						
HClD	TPH-g/BTEX/TPH-g	8015 (modified)/8020	TPH-d/TPH-D	8016 (modified)	TPH 418.1/MTPH 418.1	Aromatic Volatiles	602/8020	Volatile Organics	624/8240 (GC/MS)	Halogenated Volatiles	601/8010	Semi-volatile Organics	625/8270 (GC/MS)	Pesticides/PCBs	608/8080	Total Lead	7421	Priority Pollutant	Metals (13)	TCLP Metals	Comments/Instructions	Number of Containers
										X											B803167-01	3
										X											-02	3
										X											-03	3
										X											-04	3
										X											-05	3
										X											-06	3
										X											-07	3
										X											-08	3
										X											-09	3
										X											-10	2

Relinquished by: SECOR
 Sign Holly Garner
 Print Holly Garner
 Company SECOR
 Time 1200 Date 3/6/98

Received by: K Barker
 Sign _____
 Print K Barker
 Company NCA
 Time 1410 Date 3/6/98

Client: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Chain-of Custody Number:

SECOR Chain-of Custody Record

Field Office: Belleme
 Address: 15100 SE 30th Pl, Ste 100
Belleme, WA 98007

Additional documents are attached, and are a part of this Record.
 Job Name: YRRA
 Location: Yakima, WA

Project # 00718-001-01 Task # 08
 Project Manager C. Schmitt
 Laboratory NCA
 Turnaround Time Standard

Sampler's Name Holly Corner / Ken Scott
 Sampler's Signature Holly Corner

Sample ID	Date	Time	Matrix
SG-MW-3-0398	7/5/98	1030	Water
RI-6s-0398		1115	
RI-6d-0398		1120	
RINSTATE-RI-6t-0398		1118	
BOTTLE-LOT-2-0398		1135	
WI-W-8-0398		1200	
RI-4s-0398		1520	
RI-4d-0398		1510	
RI-15s-0398		0800	
RI-15d-0398		0815	

Special Instructions/Comments: See page 1 of 4

Analysis Request											Number of Containers	
TPH-g/BTEX/WTPH-g 8015 (modified)/8020	TPH-d/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 604/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals		Comments/ Instructions
X	X	X	X	X	X						B803167-11	3
X	X	X	X	X	X						-12	3
X	X	X	X	X	X						-13	3
X	X	X	X	X	X						-14	3
X	X	X	X	X	X						-15	2
X	X	X	X	X	X						-16	3
X	X	X	X	X	X						-17	3
X	X	X	X	X	X						-18	3
X	X	X	X	X	X						-19	3
X	X	X	X	X	X						-20	3

Relinquished by: SECOR
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1200 Date 3/6/98

Received by: Aboulan
 Sign K. Krawker
 Print K. Krawker
 Company NCA
 Time 1610 Date 3/6/98

Relinquished by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Client: _____
 Client Contact: _____
 Client Phone: _____

Chain-of Custody Number:

SECOR Chain-of Custody Record

Additional documents are attached, and are a part of this Record.

Field Office: Belleve
 Address: 15400 SE 30th Pl., Ste 100
Belleve, WA 98007

Job Name: YRA
 Location: Yakima, WA

Project # 00378-001-01 Task # 08
 Project Manager C Schmitt
 Laboratory NCA
 Turnaround Time Standard

Sampler's Name Holly Corner/Ken Scott
 Sampler's Signature Holly Corner

Sample ID	Date	Time	Matrix
<u>RINSTATE-RI-0398</u>	<u>3/4/98</u>	<u>1325</u>	<u>water</u>
<u>RI-85-0398</u>		<u>1330</u>	
<u>RI-8d-0398</u>		<u>1335</u>	
<u>RI-9B-0398</u>		<u>1525</u>	
<u>RI-9d-0398</u>		<u>1520</u>	
<u>RI-10s-0398</u>		<u>1650</u>	
<u>RI-10B-0398</u>		<u>1655</u>	
<u>WM-MW-2-0398</u>	<u>3/5/98</u>	<u>0915</u>	
<u>RI-11B-0398</u>		<u>0915</u>	
<u>RI-11d-0398</u>		<u>0925</u>	

Analysis Request													
HCD	TPH/BTEX/TPH-G 8015 (modified)/8020	TPHd/TPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 604/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
						X						<u>B803167-21</u>	<u>2</u>
						X						<u>-22</u>	<u>3</u>
						X						<u>-23</u>	<u>3</u>
						X						<u>-24</u>	<u>3</u>
						X						<u>-25</u>	<u>3</u>
						X						<u>-26</u>	<u>3</u>
						X						<u>-27</u>	<u>3</u>
						X						<u>-28</u>	<u>3</u>
						X						<u>-29</u>	<u>3</u>
						X						<u>-30</u>	<u>3</u>

Special Instructions/Comments: See pg 1 of 4

Relinquished by: SECOR
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1200 Date 3/6/98

Received by: SECOR
 Sign K Barker
 Print K Barker
 Company NCA
 Time 1610 Date 3/6/98

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cold: _____
 Conforms to record: _____

Relinquished by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Client: _____
 Client Contact: _____
 Client Phone: _____

Chain-of Custody Number:

SECOR Chain-of Custody Record

Additional documents are attached, and are a part of this Record.

Field Office: Bellevue
 Address: 15400 SE 30th Place
Bellevue, WA 98007

Job Name: YRRA
 Location: Yakima, WA

Project # 00578-001-01 Task # 08
 Project Manager C. Schmitt
 Laboratory NCA
 Turnaround Time Standard

Sampler's Name Holly Corner / Ken Scott
 Sampler's Signature Holly Corner / Ken Scott

Analysis Request													
HC#	TPH-B/TEX/MT/PH-G 8015 (modified)/8020	TPHd/MT/PH-D 8015 (modified)	TPH 418.1/MT/PH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 607/8010	Semi-Volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
						X						B803167-31	3
						X						-32	3
						X						-33	3
						X						-34	3

Special Instructions/Comments:
See pg 1 of 4

Relinquished by: Holly Corner
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 3/6/98 Date 1200

Received by: Holly Corner
 Sign Holly Corner
 Print Holly Corner
 Company SECOR
 Time 1610 Date 3/6/98

Client: _____
 Client Contact: _____
 Client Phone: _____



**NORTH
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ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
CYI-103s-0698	B806049-00	Water	6/1/98
CYI-103d-0698	B806049-01	Water	6/1/98
SG-MW-3-0698	B806049-02	Water	6/1/98
GW-MW-2-0698	B806049-03	Water	6/1/98
A-MW-3-0698	B806049-04	Water	6/1/98
P-MW-3-0698	B806049-05	Water	6/1/98
RI-1s-0698	B806049-06	Water	6/1/98
RI-1d-0698	B806049-07	Water	6/1/98
RI-2s-0698	B806049-08	Water	6/1/98
RI-2d-0698	B806049-09	Water	6/1/98
RI-3s-0698	B806049-10	Water	6/1/98
RI-3d-0698	B806049-11	Water	6/1/98
RI-5s-0698	B806049-12	Water	6/1/98
RI-5d-0698	B806049-13	Water	6/1/98
RI-6s-0698	B806049-14	Water	6/2/98
RI-6d-0698	B806049-15	Water	6/2/98
RI-7s-0698	B806049-16	Water	6/2/98
RI-7d-0698	B806049-17	Water	6/2/98
RI-8s-0698	B806049-18	Water	6/2/98
RI-8d-0698	B806049-19	Water	6/2/98

North Creek Analytical, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.
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Matthew Essig, Project Manager

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

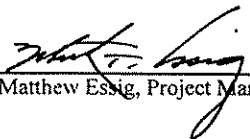
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
WM-MW-2-0698	B806049-20	Water	6/2/98
U-YS-2-0698	B806049-21	Water	6/2/98
H-MW-2-0698	B806049-22	Water	6/2/98
N-MW-2-0698	B806049-23	Water	6/2/98
RI-9s-0698	B806049-24	Water	6/2/98
RI-9d-0698	B806049-25	Water	6/2/98
RINSATE-1-0698	B806049-26	Water	6/2/98
RI-13S-0698	B806124-00	Water	6/2/98
RI-13D-0698	B806124-01	Water	6/2/98
RI-14S-0698	B806124-02	Water	6/3/98
RI-14D-0698	B806124-03	Water	6/3/98
RI-12S-0698	B806124-04	Water	6/3/98
RI-12D-0698	B806124-05	Water	6/3/98
RI-11S-0698	B806124-06	Water	6/3/98
RI-11D-0698	B806124-07	Water	6/3/98
RI-10S-0698	B806124-08	Water	6/3/98
RI-10D-0698	B806124-09	Water	6/3/98
RI-4S-0698	B806124-10	Water	6/3/98
RI-4D-0698	B806124-11	Water	6/3/98
BNRR-S-0698	B806124-12	Water	6/4/98

North Creek Analytical, Inc.

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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

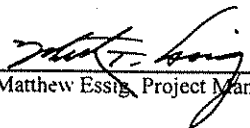
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
BNRR-D-0698	B806124-13	Water	6/4/98
BOTTLE LOT-1-0698	B806124-14	Water	6/2/98
BOTTLE LOT-2-0698	B806124-15	Water	6/3/98
TRIP BLANK	B806124-16	Water	6/1/98
RINSATE-4D-0698	B806124-17	Water	6/3/98
RINSATE-4S-0698	B806124-18	Water	6/4/98
RI-17D-0698	B806124-19	Water	6/3/98
RI-16S-0698	B806124-20	Water	6/4/98
RI-15S-0698	B806124-21	Water	6/3/98
FW-MW-1-0698	B806124-22	Water	6/4/98
AG-MW-4-0698	B806124-23	Water	6/3/98

North Creek Analytical, Inc.

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Matthew Essig, Project Manager

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NORTH CREEK ANALYTICAL

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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CYI-103s-0698				B806049-00			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.22	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	50.3	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	51.8	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	4.03	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		92.8	%	
CYI-103d-0698				B806049-01			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.18	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>CYI-103d-0698 (continued)</u>				<u>B806049-01</u>			<u>Water</u>	
Chloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	4.72	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		96.7	%	
<u>SG-MW-3-0698</u>				<u>B806049-02</u>			<u>Water</u>	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.380	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
 North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>SG-MW-3-0698 (continued)</u>				<u>B806049-02</u>			<u>Water</u>	
1,1-Dichloroethene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	34.0	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		90.3	%	
<u>GW-MW-2-0698</u>				<u>B806049-03</u>			<u>Water</u>	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	14.8	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GW-MW-2-0698 (continued)				B806049-03			Water	
1,1,2,2-Tetrachloroethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	5.78	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		90.3	%	
A-MW-3-0698				B806049-04			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.75	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	2.01	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>A-MW-3-0698 (continued)</u>				<u>B806049-04</u>			<u>Water</u>	
Surrogate: 4-BFB (ELCD)	0680210	6/6/98	6/6/98	50.0-150		95.6	%	
<u>P-MW-3-0698</u>				<u>B806049-05</u>			<u>Water</u>	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.05	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.54	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	2.07	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.3	%	
<u>RI-1s-0698</u>				<u>B806049-06</u>			<u>Water</u>	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue
15400 SE 30th Place, Ste. 100
Bellevue, WA 98007

Project: YRRA, Yakima, WA
Project Number: 00378-001-01
Project Manager: Cliff Schmitt

Sampled: 6/1/98 to 6/4/98
Received: 6/3/98 to 6/5/98
Reported: 6/17/98 13:04

Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1s-0698 (continued)				B806049-06			Water	
Chlorobenzene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.587	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.2	%	
RI-1d-0698				B806049-07			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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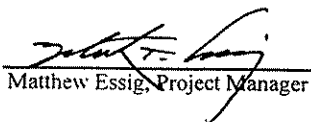
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1d-0698 (continued)				B806049-07			Water	
1,4-Dichlorobenzene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.98	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		101	%	
RI-2s-0698				B806049-08			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-2s-0698 (continued)				B806049-08			Water	
cis-1,3-Dichloropropene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	
RI-2d-0698				B806049-09			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-2d-0698 (continued)				B806049-09			Water	
Trichloroethene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.9	%	
RI-3s-0698				B806049-10			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	0.678	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	23.0	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.500	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.7	%	
RI-3d-0698				B806049-11			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue
 15400 SE 30th Place, Ste. 100
 Bellevue, WA 98007

Project: YRRA, Yakima, WA
 Project Number: 00378-001-01
 Project Manager: Cliff Schmitt


Sampled: 6/1/98 to 6/4/98
 Received: 6/3/98 to 6/5/98
 Reported: 6/17/98 13:04

Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-3d-0698 (continued)				B806049-11			Water	
Bromoform	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.75	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.3	%	
RI-5s-0698				B806049-12			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.946	"	
Chloromethane	"	"	"		0.500	ND	"	

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 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
CREEK
ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-5s-0698 (continued)				B806049-12			Water	
Dibromochloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.732	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>95.7</i>	<i>%</i>	
RI-5d-0698				B806049-13			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-5d-0698 (continued)</u>				<u>B806049-13</u>			<u>Water</u>	
cis-1,2-Dichloroethene	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	
<u>RI-6s-0698</u>				<u>B806049-14</u>			<u>Water</u>	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.85	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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CREEK
ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-6s-0698 (continued)				B806049-14			Water	
Tetrachloroethene	0680210	6/6/98	6/6/98		0.500	1.04	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.3	%	
RI-6d-0698				B806049-15			Water	
Bromodichloromethane	0680210	6/6/98	6/6/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	

North Creek Analytical, Inc.

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Matthew Essig, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7s-0698				B806049-16			Water	
Bromodichloromethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.1	%	
RI-7d-0698				B806049-17			Water	
Bromodichloromethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7d-0698 (continued)				B806049-17			Water	
Chloromethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.71	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		101	%	
RI-8s-0698				B806049-18			Water	
Bromodichloromethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.62	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
CREEK
ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPokane ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8s-0698 (continued)				B806049-18			Water	
1,1-Dichloroethene	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.99	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.6	%	
RI-8d-0698				B806049-19			Water	
Bromodichloromethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.31	"	1

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8d-0698 (continued)				B806049-19			Water	
1,1,2,2-Tetrachloroethane	0680210	6/6/98	6/7/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.1	%	
WM-MW-2-0698				B806049-20			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.58	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	31.1	"	
trans-1,2-Dichloroethene	"	"	"		0.500	0.911	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	6/8/98		1.00	66.8	"	
1,1,1-Trichloroethane	"	"	6/7/98		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	25.5	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>WM-MW-2-0698 (continued)</u>				<u>B806049-20</u>			<u>Water</u>	
Surrogate: 4-BFB (ELCD)	0680212	6/7/98	6/7/98	50.0-150		93.5	%	
<u>U-YS-2-0698</u>				<u>B806049-21</u>			<u>Water</u>	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	6/9/98		0.500	ND	"	
Trichlorofluoromethane	"	"	6/7/98		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		95.9	%	
<u>H-MW-2-0698</u>				<u>B806049-22</u>			<u>Water</u>	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
H-MW-2-0698 (continued)				B806049-22			Water	
Chlorobenzene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.62	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	5.20	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.3	%	
N-MW-2-0698				B806049-23			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>N-MW-2-0698 (continued)</u>		<u>B806049-23</u>					<u>Water</u>	
1,4-Dichlorobenzene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.4	%	
<u>RI-9s-0698</u>		<u>B806049-24</u>					<u>Water</u>	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.958	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-9s-0698 (continued)				B806049-24			Water	
cis-1,3-Dichloropropene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.41	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		94.5	%	
RI-9d-0698				B806049-25			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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ANALYTICAL**
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-9d-0698 (continued)				B806049-25			Water	
Trichloroethene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.9	%	
RINSATE-1-0698				B806049-26			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.27	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
RI-13S-0698				B806124-00			Water	
Bromodichloromethane	0680212	6/7/98	6/8/98		0.500	ND	ug/l	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13S-0698 (continued)				B806124-00			Water	
Bromoform	0680212	6/7/98	6/8/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.52	"	1
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.2	%	
RI-13D-0698				B806124-01			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13D-0698 (continued)				B806124-01			Water	
Dibromochloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.1	%	
RI-14S-0698				B806124-02			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.89	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-14S-0698 (continued)				B806124-02			Water	
cis-1,2-Dichloroethene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.7	%	
RI-14D-0698				B806124-03			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.711	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.22	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.91	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	1

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-14D-0698 (continued)				B806124-03			Water	
Tetrachloroethene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.6	%	
RI-12S-0698				B806124-04			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.97	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.59	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-12D-0698				B806124-05			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	
RI-11S-0698				B806124-06			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.61	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-11S-0698 (continued)				B806124-06			Water	
Chloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.3	%	
RI-11D-0698				B806124-07			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

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 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

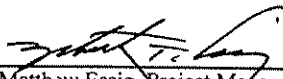
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-11D-0698 (continued)				B806124-07			Water	
1,1-Dichloroethene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.3	%	
RI-10S-0698				B806124-08			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.54	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-10S-0698 (continued)				B806124-08			Water	
1,1,2,2-Tetrachloroethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	1.90	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		95.4	%	
RI-10D-0698				B806124-09			Water	
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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 Matthew Essig, Project Manager

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-10D-0698 (continued)				B806124-09		Water		
Surrogate: 4-BFB (ELCD)	0680212	6/7/98	6/7/98	50.0-150		98.1	%	
RI-4S-0698				B806124-10		Water		
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	11.6	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		92.2	%	
RI-4D-0698				B806124-11		Water		
Bromodichloromethane	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-4D-0698 (continued)				B806124-11			Water	
Chlorobenzene	0680212	6/7/98	6/7/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		101	%	
BNRR-S-0698				B806124-12			Water	
Bromodichloromethane	0680212	6/7/98	6/8/98		0.500	0.557	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	12.8	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BNRR-S-0698 (continued)				B806124-12			Water	
1,4-Dichlorobenzene	0680212	6/7/98	6/8/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.62	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	23.2	"	
1,1,1-Trichloroethane	"	"	"		0.500	1.15	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.3	%	
BNRR-D-0698				B806124-13			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	5.97	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

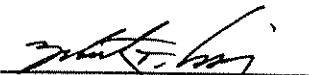
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BNRR-D-0698 (continued)				B806124-13			Water	
cis-1,3-Dichloropropene	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.634	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.53	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		91.2	%	
BOTTLE LOT-1-0698				B806124-14			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.60	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	5.83	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>BOTTLE LOT-1-0698 (continued)</u>				<u>B806124-14</u>			<u>Water</u>	
Trichloroethene	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		90.8	%	
<u>BOTTLE LOT-2-0698</u>				<u>B806124-15</u>			<u>Water</u>	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.14	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		97.0	%	
<u>TRIP BLANK</u>				<u>B806124-16</u>			<u>Water</u>	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TRIP BLANK (continued)				B806124-16			Water	
Bromoform	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.4	%	
RINSATE-4D-0698				B806124-17			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.32	"	
Chloromethane	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RINSATE-4D-0698 (continued)				B806124-17			Water	
Dibromochloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	6.71	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		96.1	%	

RINSATE-4S-0698				B806124-18			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.34	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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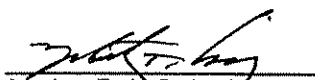
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RINSATE-4S-0698 (continued)				B806124-18			Water	
cis-1,2-Dichloroethene	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.1	%	
RI-17D-0698				B806124-19			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

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*Refer to end of report for text of notes and definitions.


 Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-17D-0698 (continued)				B806124-19			Water	
Tetrachloroethene	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		95.1	%	
RI-16S-0698				B806124-20			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	0.554	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	12.1	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	23.3	"	
1,1,1-Trichloroethane	"	"	"		0.500	1.16	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		92.6	%	

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue
 15400 SE 30th Place, Ste. 100
 Bellevue, WA 98007

Project: YRRA, Yakima, WA
 Project Number: 00378-001-01
 Project Manager: Cliff Schmitt

Sampled: 6/1/98 to 6/4/98
 Received: 6/3/98 to 6/5/98
 Reported: 6/17/98 13:04

Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-15S-0698				B806124-21			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	0.804	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	11.9	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		93.3	%	
FW-MW-1-0698				B806124-22			Water	
Bromodichloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.42	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
FW-MW-1-0698 (continued)				B806124-22			Water	
Chloromethane	0680439	6/13/98	6/13/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	10.7	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	6/15/98		10.0	768	"	
1,1,1-Trichloroethane	"	"	6/13/98		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	13.1	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		84.0	%	
AG-MW-4-0698				B806124-23			Water	
Bromodichloromethane	0680439	6/13/98	6/15/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.818	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical, Inc.

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



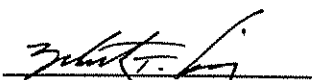
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BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>AG-MW-4-0698 (continued)</u>				<u>B806124-23</u>			<u>Water</u>	
1,1-Dichloroethene	0680439	6/13/98	6/15/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	2.81	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	6/13/98		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	6/15/98		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.26	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	0.722	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		92.2	%	


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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Batch: 0680210			Date Prepared: 6/6/98		Extraction Method: EPA 5030B [P/T]					
Blank			0680210-BLK1							
Bromodichloromethane	6/6/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	2.50				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		10.3	"	50.0-150	103			
LCS			0680210-BS1							
Chlorobenzene	6/6/98	10.0		9.09	ug/l	70.0-130	90.9			
1,1-Dichloroethene	"	10.0		12.4	"	70.0-130	124			
Trichloroethene	"	10.0		9.99	"	70.0-130	99.9			
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		9.41	"	50.0-150	94.1			

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Matrix Spike		0680210-MS1	B806049-01							
Chlorobenzene	6/6/98	10.0	ND	8.87	ug/l	70.0-130	88.7			
1,1-Dichloroethene	"	10.0	ND	11.6	"	70.0-130	116			
Trichloroethene	"	10.0	ND	10.1	"	70.0-130	101			
Surrogate: 4-BFB (ELCD)	"	10.0		9.10	"	50.0-150	91.0			
Matrix Spike Dup		0680210-MSD1	B806049-01							
Chlorobenzene	6/6/98	10.0	ND	9.00	ug/l	70.0-130	90.0	20.0	1.45	
1,1-Dichloroethene	"	10.0	ND	12.0	"	70.0-130	120	20.0	3.39	
Trichloroethene	"	10.0	ND	10.4	"	70.0-130	104	20.0	2.93	
Surrogate: 4-BFB (ELCD)	"	10.0		9.17	"	50.0-150	91.7			

Batch: 0680212

Date Prepared: 6/7/98

Extraction Method: EPA 5030B [P/T]

Blank

0680212-BLK1

Analyte	Date Analyzed	QC Result	Units	Reporting Limit
Bromodichloromethane	6/7/98	ND	ug/l	0.500
Bromoform	"	ND	"	0.500
Bromomethane	"	ND	"	0.500
Carbon tetrachloride	"	ND	"	0.500
Chlorobenzene	"	ND	"	0.500
Chloroethane	"	ND	"	0.500
Chloroform	"	ND	"	0.500
Chloromethane	"	ND	"	0.500
Dibromochloromethane	"	ND	"	0.500
1,2-Dichlorobenzene	"	ND	"	0.500
1,3-Dichlorobenzene	"	ND	"	0.500
1,4-Dichlorobenzene	"	ND	"	0.500
1,1-Dichloroethane	"	ND	"	0.500
1,2-Dichloroethane	"	ND	"	0.500
1,1-Dichloroethene	"	ND	"	0.500
cis-1,2-Dichloroethene	"	ND	"	0.500
trans-1,2-Dichloroethene	"	ND	"	0.500
1,2-Dichloropropane	"	ND	"	0.500
cis-1,3-Dichloropropene	"	ND	"	0.500
trans-1,3-Dichloropropene	"	ND	"	0.500
Methylene chloride	"	ND	"	2.50
1,1,2,2-Tetrachloroethane	"	ND	"	0.500
Tetrachloroethene	"	ND	"	0.500
1,1,1-Trichloroethane	"	ND	"	0.500
1,1,2-Trichloroethane	"	ND	"	0.500

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ■ (425) 481-9200 ■ FAX 485-2992
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)										
0680212-BLK1										
Trichloroethene	6/7/98			ND	ug/l	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		9.92	"	50.0-150	99.2			
LCS										
0680212-BS1										
Chlorobenzene	6/7/98	10.0		8.27	ug/l	70.0-130	82.7			
1,1-Dichloroethene	"	10.0		10.3	"	70.0-130	103			
Trichloroethene	"	10.0		9.12	"	70.0-130	91.2			
Surrogate: 4-BFB (ELCD)	"	10.0		9.19	"	50.0-150	91.9			
Matrix Spike										
0680212-MS1 B806124-01										
Chlorobenzene	6/7/98	10.0	ND	8.43	ug/l	70.0-130	84.3			
1,1-Dichloroethene	"	10.0	ND	11.4	"	70.0-130	114			
Trichloroethene	"	10.0	ND	9.45	"	70.0-130	94.5			
Surrogate: 4-BFB (ELCD)	"	10.0		9.11	"	50.0-150	91.1			
Matrix Spike Dup										
0680212-MSD1 B806124-01										
Chlorobenzene	6/7/98	10.0	ND	8.86	ug/l	70.0-130	88.6	20.0	4.97	
1,1-Dichloroethene	"	10.0	ND	10.6	"	70.0-130	106	20.0	7.27	
Trichloroethene	"	10.0	ND	9.51	"	70.0-130	95.1	20.0	0.633	
Surrogate: 4-BFB (ELCD)	"	10.0		9.26	"	50.0-150	92.6			
Batch: 0680439										
Date Prepared: 6/13/98										
Extraction Method: EPA 5030B (P/T)										
Blank										
0680439-BLK1										
Bromodichloromethane	6/13/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

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

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


Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)	0680439-BLK1									
1,2-Dichloroethane	6/13/98			ND	ug/l	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			6.27	"	5.00				1
1,1,1,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		9.74	"	50.0-150	97.4			
Blank	0680439-BLK2									
Bromodichloromethane	6/13/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				

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Matthew Essig, Project Manager

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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)		0680439-BLK2								
Methylene chloride	6/13/98			ND	ug/l	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		9.51	"	50.0-150	95.1			
LCS		0680439-BS1								
Chlorobenzene	6/13/98	10.0		8.36	ug/l	70.0-130	83.6			
1,1-Dichloroethene	"	10.0		11.2	"	70.0-130	112			
Trichloroethene	"	10.0		9.36	"	70.0-130	93.6			
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		8.80	"	50.0-150	88.0			
Matrix Spike		0680439-MS1		B806124-13						
Chlorobenzene	6/13/98	10.0	ND	8.60	ug/l	70.0-130	86.0			
1,1-Dichloroethene	"	10.0	ND	11.4	"	70.0-130	114			
Trichloroethene	"	10.0	1.53	11.0	"	70.0-130	94.7			
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		8.77	"	50.0-150	87.7			
Matrix Spike Dup		0680439-MSD1		B806124-13						
Chlorobenzene	6/13/98	10.0	ND	9.02	ug/l	70.0-130	90.2	20.0	4.77	
1,1-Dichloroethene	"	10.0	ND	11.9	"	70.0-130	119	20.0	4.29	
Trichloroethene	"	10.0	1.53	11.5	"	70.0-130	99.7	20.0	5.14	
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		9.04	"	50.0-150	90.4			

North Creek Analytical, Inc.

*Refer to end of report for text of notes and definitions.


Matthew Essig, Project Manager

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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA, Yakima, WA Project Number: 00378-001-01 Project Manager: Cliff Schmitt	Sampled: 6/1/98 to 6/4/98 Received: 6/3/98 to 6/5/98 Reported: 6/17/98 13:04
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Notes and Definitions

#	Note
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- 1 Methylene Chloride is a suspected laboratory contaminant. Please refer to the Method Blank.
- 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, Inc.


Matthew Essig, Project Manager

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CHAIN OF CUSTODY REPORT

Work Order # B 8010049

REPORT TO: SECOR Cliff Schmitt	INVOICE TO: (Same)	TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses: 7, 5, 4, 3, 2, 1 (Same Day) Fuels & Hydrocarbon Analyses: 5, 3-4, 2, 1 (Same Day)	
ATTENTION:	ADDRESS:	OTHER Specify: * Turnaround Requests less than standard may incur Rush Charges.	
ADDRESS: 15400 SE 30th Place, Suite 100 Bellevue WA 98007	PO NUMBER: 0108010	MATRIX (W, S, A, O)	# OF CONTAINERS
PHONE: (425) 641-9900 FAX: (425) 641-9092	Analysis Request: EPA 8210	water	3
PROJECT NAME: YRFA	NCA QUOTE #:		3
PROJECT NUMBER: 00378-001-01 (06)			3
SAMPLED BY: Holly Corner / Ken Scott			3
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME		3
1. CYI-1035-0698	8/1/98, 10:34		3
2. CYI-103d-0698	10:42		3
3. SG-MW-3-0698	10:55		3
4. GW-MW-2-0698	11:55		3
5. A-MW-3-0698	14:50		3
6. P-MW-3-0698	17:15		3
7. RI-1s-0698	11:55		3
8. RI-1d-0698	12:10		3
9. RI-2s-0698	13:40		3
10. RI-2d-0698	13:50		3
REQUISITIONED BY: Holly Corner	DATE: 6/2/98	RECEIVED BY (Signature): Cathy Nichols	DATE: 6-3-98
PRINT NAME: Holly Corner	TIME: 1545	PRINT NAME: Cathy Nichols	TIME: 10:15
REQUISITIONED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
ADDITIONAL REMARKS:	FIRM: SECOR	FIRM: NCA-B	FIRM: NCA-B
	FIRM:	FIRM:	FIRM:
	FIRM:	FIRM:	FIRM:
	FIRM:	FIRM:	FIRM:



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(503) 906-9200 FAX 906-9210

CHAIN OF CUSTODY REPORT

Work Order # B 806049

REPORT TO: SECOR		INVOICE TO: (Same)	
ATTENTION: Schmitt, Cliff T.		ATTENTION:	
ADDRESS: 15400 SE 30th Place, Suite 100 Bellevue, WA 98007		ADDRESS:	
PHONE: (425) 641-9900 FAX (425) 641-9072		ADDRESS:	
PROJECT NAME: YRRA		NCA QUOTE #:	
PROJECT NUMBER: 00378-001-01 (06)		Analysis Request:	
SAMPLED BY: Holly Corner / Ken Scott		Analysis Request:	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	Analysis Request
1. RI-3s-0698	6/1/98 15:10	6200049-10	X
2. RI-3d-0698	15:15	-11	X
3. RI-5s-0698	16:30	-12	X
4. RI-5d-0698	16:40	-13	X
5. RI-6s-0698	6/2/98 09:10	-14	X
6. RI-6d-0698	09:15	-15	X
7. RI-7s-0698	10:50	-16	X
8. RI-7d-0698	10:55	M	X
9. RI-8s-0698	12:30	-18	X
10. RI-8d-0698	12:25	-19	X

RELINQUISHED BY (Customer): Holly Corner	DATE: 6/2/98	TIME: 15:45	DATE: 10-3-98	TIME: 10:15
PRINT NAME: Holly Corner	FIRM: SECOR	PRINT NAME: Cathy Nichols	FIRM: AIRB	
RELINQUISHED BY (Laboratory):	DATE:	TIME:	DATE:	TIME:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:	
ADDITIONAL REMARKS:				
15. W/O				



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(509) 924-9200 FAX 924-9290
(503) 906-9200 FAX 906-9210



CHAIN OF CUSTODY REPORT

Work Order #

8906049

REPORT TO: SECOR ATTENTION: Cliff Schmitt ADDRESS: 13766 SE 30th Place, Suite 100 Bellevue, WA 98007 PHONE: (425) 641-9100 FAX: (425) 641-9092 PROJECT NAME: YRRA PROJECT NUMBER: 00378-001-01 (06) SAMPLED BY: Holly Corner / Ken Scott - Holly Corner		INVOICE TO: (same) ATTENTION: ADDRESS: P.O. NUMBER: Analyst Request: DRX acid		NCA QUOTE #: TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses: <input checked="" type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day Fuels & Hydrocarbon Analyses: <input type="checkbox"/> 5 <input type="checkbox"/> 3-4 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day OTHER: Specify:	
CLIENT SAMPLE IDENTIFICATION 1. WM-MW-2-0698 2. U-75-2-0698 3. H-MW-2-0698 4. N-MW-2-0698 5. RI-9s-0698 6. RI-9d-0698 7. RINSATE-1-0698		SAMPLING DATE/TIME 6/29/98 08:10 09:10 09:45 10:35 14:05 14:10 13:50		NCA SAMPLE ID (Laboratory Use Only) 8906049-20 -21 -22 -23 -24 -25 -26	
RELINQUISHED BY: Holly Corner PRINT NAME: Holly Corner RECEIVED BY: Cathy Nichols PRINT NAME: Cathy Nichols		DATE: 6/29/98 TIME: 1545 DATE: 6-3-98 TIME: 10:15		FIRM: SECOR FIRM: Nichols	
ADDITIONAL REMARKS: 13.9" dia		RECEIVED BY: (signature) PRINT NAME: DATE: TIME:		RECEIVED BY: (signature) PRINT NAME: DATE: TIME:	



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(509) 924-9200 FAX 924-9290
(503) 906-9200 FAX 906-9210

CHAIN OF CUSTODY REPORT

Work Order # B806124

REPORT TO: SECOR ATTENTION: Cliff Schwartz ADDRESS: 15400 SE 30th Place, Suite 100 Bellevue, WA 98007 PHONE: (425) 641-9900 FAX: (425) 641-9092 PROJECT NAME: YRRA		INVOICE TO: (Same) ATTENTION: ADDRESS: P.O. NUMBER: Analysis Request: EPA 810		NCA QUOTE #: TURNAROUND REQUEST in Business Days * <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Same Day Organic & Inorganic Analyses Fuels & Hydrocarbon Analyses OTHER Specify:	
PROJECT NUMBER: 00378-001-01 (06) SAMPLED BY: Holly Cornish / Ken Scott		DATE/TIME: 6/2/98, 16:45 6/2/98, 16:55 6/3/98, 01:05 09:15 10:45 10:55 12:30 12:40 14:35 14:45		Matrix (W.S.A.O): WOODY # OF CONTAINERS: 3 COMMENTS:	
IDENTIFICATION: RI-135-0698 RI-13A-0698 RI-145-0698 RI-14A-0698 RI-125-0698 RI-12A-0698 RI-115-0698 RI-105-0698 RI-10A-0698		NCA SAMPLE ID (Laboratory Use Only): B806124-00 -01 -02 -03 -04 -05 -06 -07 -08 -09		TURNAROUND REQUEST in Business Days * (continued): <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 3-4 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> Same Day	
RELINQUISHED BY: Holly Cornish PRINT NAME: Holly Cornish DATE: 6/5/98 TIME: 8:00		RECEIVED BY: Cathy Nichols PRINT NAME: Cathy Nichols DATE: 6-5-98 TIME: 9:00		FIRM: SECOR FIRM: NCA B	
ADDITIONAL REMARKS: with: Matt Essig Please provide electronic deliverables		PRINT NAME: DATE: TIME:		PRINT NAME: DATE: TIME:	



NORTH CREEK ANALYTICAL
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CHAIN OF CUSTODY REPORT

Work Order #

B806124

REPORT TO: SECOR
ATTENTION: *Cliff Schmitt*
ADDRESS: 15400 NE 30th Place, Suite 100
Bellevue, WA 98007
PHONE: (425) 641-9400 FAX: (425) 641-9097
PROJECT NAME: YRRA
PROJECT NUMBER: 00378-001-01 (06)
SAMPLED BY: Holly Cornish/Ken Scott
NCA SAMPLE ID: *Holly Cornish*

IDENTIFICATION	SAMPLING DATE/TIME	ANALYSIS REQUEST	NCA QUOTE #	INVOICE TO:
1. RI-4s-0698	6/3/98 18:25	X	B806124-10	(Same)
2. RI-4d-0698	17:55	X		
3. BNR-5-0698	6/4/98 08:45	X		
4. BNR-01-0698	6/4/98 10:05	X		
5. BOTTLE LOT-1-0698	6/2/98, 16:35	X		
6. BOTTLE LOT-2-0698	6/3/98, 14:50	X		
7. Trip Blank	6/1/98, -	X		
8. RINSATE-7d-0698	6/3/98, 17:30	X		
9. RINSATE-4s-0698	6/4/98, 08:35	X		
10. AI-17d-0698	6/3/98, 18:00	X		

Analysis Request: *ERM 0010*

TURNAROUND REQUEST IN BUSINESS DAYS *
 Standard
 Organic & Inorganic Analyses
 Fuels & Hydrocarbon Analyses
 OTHER Specify: _____
 * Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
water	3	
	3	
	3	
	3	
	2	
	2	
	1	
	3	
	2	
	3	

RELINQUISHED BY (Signature): *Holly Cornish* DATE: 6/5/98
 RECEIVED BY (Signature): *Cathy Nichols* DATE: 6-5-98
 PRINT NAME: *Holly Cornish* FIRM: SECOR
 RECEIVED BY (Signature): *Cathy Nichols* FIRM: NCA-B
 PRINT NAME: *Cathy Nichols* TIME: 9:00
 RECEIVED BY (Signature): _____ DATE: _____
 PRINT NAME: _____ FIRM: _____
 RECEIVED BY (Signature): _____ DATE: _____
 PRINT NAME: _____ FIRM: _____

ADDITIONAL REMARKS: *Attn: Matt Essig*
Please provide electronic deliverables

PAGE 2 OF 3

CHAIN OF CUSTODY REPORT

Work Order # **B806124**

REPORT TO: **SECO**

ATTENTION: **Cliff Schmitt**

ADDRESS: **15460 SE 30th Place, Suite 100
Bellevue, WA 98007**

PHONE: **(425) 641-9900** FAX: **(425) 611-9092**

PROJECT NAME: **YRRA**

PROJECT NUMBER: **00378-001-01 (06)**

SAMPLED BY: **Holly Corner / Ken Scott**

CLIENT SAMPLE IDENTIFICATION: **Holly Corner**

NCA SAMPLE ID (Laboratory Use Only): **B806124-20**

IDENTIFICATION	SAMPLING DATE/TIME	ANALYSIS REQUEST	NCA QUOTE #
1. RI-16s -- 0698	6/4/98, 09:55	X	
2. RI-15s -- 0698	6/3/98, 07:30	X	
3. FW-MW-1-0698	6/4/98, 11:25	X	
4. AG-MW-4-0698	6/3/98, 14:30	X	
5.			
6.			
7.			
8.			
9.			
10.			

INVOICE TO: **(same)**

ATTENTION:

ADDRESS:

P.O. NUMBER:

Analysis Request: **TPA BOLD**

NCA QUOTE #:

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 7, 5, 4, 3, 2, 1

Fuels & Hydrocarbon Analyses: 5, 3-4, 2, 1

OTHER Specify: **Standard**

* Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W.S.A.O)	# OF CONTAINERS	COMMENTS
water	3	
	3	
	3	
	3	

RELINQUISHED BY (Signature): **Holly Corner** DATE: **6/5/98**

PRINT NAME: **Holly Corner** FIRM: **SECO** TIME: **0900**

RECEIVED BY (Signature): **Cathy Nichols** DATE: **6-5-98**

PRINT NAME: **Cathy Nichols** FIRM: **NCA B** TIME: **9:00**

RELINQUISHED BY (Signature):

PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: **attn: Matt Essig**

Please provide electronic deliverables

PAGE 3 OF 3



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
RI-1s-0898	B809054-01	Water	8/31/98
RI-1d-0898	B809054-02	Water	8/31/98
RI-2s-0898	B809054-03	Water	8/31/98
RI-2d-0898	B809054-04	Water	8/31/98
RI-3s-0898	B809054-05	Water	8/31/98
RI-3d-0898	B809054-06	Water	8/31/98
RI-5s-0898	B809054-07	Water	8/31/98
RI-5d-0898	B809054-08	Water	8/31/98
RI-13s-0998	B809054-09	Water	9/1/98
RI-13d-0998	B809054-10	Water	9/1/98
RI-14S-0998	B809054-12	Water	9/1/98
RI-14d-0998	B809054-13	Water	9/1/98
RI-7s-0998	B809054-14	Water	9/1/98
RI-7d-0998	B809054-15	Water	9/1/98
RI-12s-0998	B809054-16	Water	9/1/98
RI-12d-0998	B809054-17	Water	9/1/98
RI-8s-0998	B809054-18	Water	9/1/98
RI-8d-0998	B809054-19	Water	9/1/98
RI-9s-0998	B809054-20	Water	9/1/98
RI-9d-0998	B809054-21	Water	9/1/98

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document.
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Matthew Essig, Project Manager

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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Trip Blank #1	B809054-22	Water	9/1/98
FW-MW-1-0898	B809054-23	Water	8/31/98
AMW-3-0898	B809054-24	Water	8/31/98
CYI-MW-103S-0898	B809054-25	Water	8/31/98
CYI-MW-103D-0898	B809054-26	Water	8/31/98
N-MW-2-0898	B809054-27	Water	8/31/98
SG-MW-3-0998	B809054-28	Water	9/1/98
H-MW-2-0998	B809054-29	Water	9/1/98
BOTTLE-LOT-1-0998	B809054-30	Water	9/1/98
Rinsate-1-0998	B809054-31	Water	9/1/98
P-MW-3-0998	B809054-32	Water	9/1/98
RI-4s-0998	B809054-34	Water	9/2/98
RI-4d-0998	B809054-35	Water	9/2/98
RI-6s-0998	B809054-36	Water	9/2/98
RI-6d-0998	B809054-37	Water	9/2/98
RI-10s-0998	B809054-38	Water	9/1/98
RI-10d-0998	B809054-39	Water	9/1/98
RI-11s-0998	B809054-40	Water	9/2/98
RI-11d-0998	B809054-41	Water	9/2/98
RI-15s-0998	B809054-42	Water	9/2/98

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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
RI-15d-0998	B809054-43	Water	9/2/98
RI-16s-0998	B809054-44	Water	9/2/98
BNNR-s-0998	B809054-46	Water	9/2/98
BNNR-d-0998	B809054-47	Water	9/2/98
WM-MW-2-0998	B809054-48	Water	9/2/98
Rinsate-4s-0998	B809054-49	Water	9/2/98
Bottle-lot-2-0998	B809054-50	Water	9/2/98
W-8-090298	B809054-51	Water	9/2/98
Bottle-lot-3-0998	B809054-52	Water	9/2/98
Rinsate-3-0998	B809054-53	Water	9/2/98
YSF-MW-4-0998	B809054-54	Water	9/2/98
U-YS-2-0998	B809054-55	Water	9/3/98
Trip Blank #2	B809054-56	Water	9/3/98

North Creek Analytical - Bothell

Matthew Essig, Project Manager

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1s-0898				B809054-01			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.756	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.21	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		101	%	
RI-1d-0898				B809054-02			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-1d-0898 (continued)				B809054-02			Water	
Chloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	
RI-2s-0898				B809054-03			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-2s-0898 (continued)				B809054-03			Water	
1,1-Dichloroethene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	
RI-2d-0898				B809054-04			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

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Page 6 of 52



NORTH CREEK ANALYTICAL

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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-2d-0898 (continued)				B809054-04			Water	
1,1,2,2-Tetrachloroethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
RI-3s-0898				B809054-05			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	17.7	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.03	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.603	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-3s-0898 (continued)		B809054-05			Water			
<i>Surrogate: 4-BFB (ELCD)</i>	0980324	9/10/98	9/10/98	50.0-150		102	%	
RI-3d-0898		B809054-06			Water			
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.33	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		104	%	
RI-5s-0898		B809054-07			Water			
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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Matthew Essig, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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Page 8 of 52



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-5s-0898 (continued)				B809054-07			Water	
Chlorobenzene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.822	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.06	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>102</i>	<i>%</i>	
RI-5d-0898				B809054-08			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-5d-0898 (continued)				B809054-08			Water	
1,4-Dichlorobenzene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.29	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		102	%	
RI-13s-0998				B809054-09			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.36	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 10 of 52



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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13s-0998 (continued)				B809054-09			Water	
cis-1,3-Dichloropropene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.93	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		103	%	
RI-13d-0998				B809054-10			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.713	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.04	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-13d-0998 (continued)				B809054-10			Water	
Trichloroethene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	
RI-14S-0998				B809054-12			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.52	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.05	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.8	%	
RI-14d-0998				B809054-13			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	

North Creek Analytical - Bothell

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-14d-0998 (continued)				B809054-13			Water	
Bromoform	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.74	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.14	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		103	%	
RI-7s-0998				B809054-14			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7s-0998 (continued)				B809054-14			Water	
Dibromochloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		101	%	
RI-7d-0998				B809054-15			Water	
Bromodichloromethane	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end-of report for text of notes and definitions.

Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-7d-0998 (continued)				B809054-15			Water	
cis-1,2-Dichloroethene	0980324	9/10/98	9/10/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.702	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
RI-12s-0998				B809054-16			Water	
Bromodichloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.99	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.57	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-12s-0998 (continued)				B809054-16			Water	
Tetrachloroethene	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		104	%	
RI-12d-0998				B809054-17			Water	
Bromodichloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		104	%	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 16 of 52



NORTH CREEK ANALYTICAL

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8s-0998				B809054-18			Water	
Bromodichloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.39	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	7.40	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.601	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>102</i>	<i>%</i>	
RI-8d-0998				B809054-19			Water	
Bromodichloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-8d-0998 (continued)				B809054-19			Water	
Chloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.54	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		106	%	
RI-9s-0998				B809054-20			Water	
Bromodichloromethane	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.942	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-9s-0998 (continued)</u>				<u>B809054-20</u>			<u>Water</u>	
1,1-Dichloroethene	0980324	9/10/98	9/11/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	6.26	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.924	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	
<u>RI-9d-0998</u>				<u>B809054-21</u>			<u>Water</u>	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	

North Creek Analytical - Bothell

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-9d-0998 (continued)				B809054-21			Water	
1,1,2,2-Tetrachloroethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	
Trip Blank #1				B809054-22			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.36	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210
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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank #1 (continued)		B809054-22			Water			
Surrogate: 4-BFB (ELCD)	0980367	9/11/98	9/11/98	50.0-150		106	%	
FW-MW-1-0898		B809054-23			Water			
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.18	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	1.85	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	22.4	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.30	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.9	%	
AMW-3-0898		B809054-24			Water			
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
AMW-3-0898 (continued)				B809054-24			Water	
Chlorobenzene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.18	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	2.10	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
CYI-MW-103S-0898				B809054-25			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	6.30	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CYL-MW-103S-0898 (continued)				B809054-25			Water	
1,4-Dichlorobenzene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	15.4	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	9/12/98		5.00	98.7	"	
1,1,1-Trichloroethane	"	"	9/11/98		0.500	2.36	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	3.62	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		95.4	%	
CYL-MW-103D-0898				B809054-26			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.81	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 23 of 52



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
CYI-MW-103D-0898 (continued)				B809054-26			Water	
cis-1,3-Dichloropropene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.28	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.9	%	
N-MW-2-0898				B809054-27			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.97	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.08	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.35	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>N-MW-2-0898 (continued)</u>				<u>B809054-27</u>			<u>Water</u>	
Trichloroethene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		101	%	
<u>SG-MW-3-0998</u>				<u>B809054-28</u>			<u>Water</u>	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.859	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	9/12/98		5.00	67.0	"	
1,1,1-Trichloroethane	"	"	9/11/98		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		92.5	%	
<u>H-MW-2-0998</u>				<u>B809054-29</u>			<u>Water</u>	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	

North Creek Analytical - Bothell

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 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
H-MW-2-0998 (continued)				B809054-29			Water	
Bromoform	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	6.78	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	2.53	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	9.47	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		93.8	%	
BOTTLE-LOT-1-0998				B809054-30			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	5.27	"	
Chloromethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



**NORTH
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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BOTTLE-LOT-1-0998 (continued)				B809054-30			Water	
Dibromochloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.85	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	1
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.3	%	
Rinsate-1-0998				B809054-31			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	4.73	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Rinsate-1-0998 (continued)				B809054-31			Water	
cis-1,2-Dichloroethene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.70	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		99.7	%	
P-MW-3-0998				B809054-32			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.738	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.34	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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ANALYTICAL**
Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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**Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
P-MW-3-0998 (continued)				B809054-32			Water	
Tetrachloroethene	0980367	9/11/98	9/11/98		0.500	0.637	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.3	%	
RI-4s-0998				B809054-34			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.630	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.12	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	10.1	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.7	%	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-4d-0998				B809054-35			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.05	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		99.8	%	
RI-6s-0998				B809054-36			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.02	"	

North Creek Analytical - Bothell

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9250
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-6s-0998 (continued)				B809054-36			Water	
Chloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.49	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		100	%	
RI-6d-0998				B809054-37			Water	
Bromodichloromethane	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-6d-0998 (continued)				B809054-37			Water	
1,1-Dichloroethene	0980367	9/11/98	9/11/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.712	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
RI-10s-0998				B809054-38			Water	
Bromodichloromethane	0980367	9/11/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.69	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	3.01	"	1

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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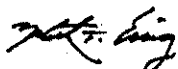
Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-10s-0998 (continued)				B809054-38			Water	
1,1,2,2-Tetrachloroethane	0980367	9/11/98	9/12/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	1.71	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	<i>50.0-150</i>		<i>102</i>	<i>%</i>	
RI-10d-0998				B809054-39			Water	
Bromodichloromethane	0980367	9/11/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.32	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	9.78	"	1
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.761	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.



Matthew Essig, Project Manager

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Page 33 of 52



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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>RI-10d-0998 (continued)</u>				<u>B809054-39</u>	<u>Water</u>			
Surrogate: 4-BFB (ELCD)	0980367	9/11/98	9/12/98	50.0-150		103	%	
<u>RI-11s-0998</u>				<u>B809054-40</u>	<u>Water</u>			
Bromodichloromethane	0980367	9/11/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.12	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	0.577	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.8	%	
<u>RI-11d-0998</u>				<u>B809054-41</u>	<u>Water</u>			
Bromodichloromethane	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-11d-0998 (continued)				B809054-41			Water	
Chlorobenzene	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.573	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	
RI-15s-0998				B809054-42			Water	
Bromodichloromethane	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-15s-0998 (continued)				B809054-42			Water	
1,4-Dichlorobenzene	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	10.1	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		96.8	%	
RI-15d-0998				B809054-43			Water	
Bromodichloromethane	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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Mathew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
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Page 36 of 52



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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-15d-0998 (continued)				B809054-43			Water	
cis-1,3-Dichloropropene	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		103	%	
RI-16s-0998				B809054-44			Water	
Bromodichloromethane	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.07	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	11.8	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
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Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
RI-16s-0998 (continued)				B809054-44			Water	
Trichloroethene	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		97.3	%	
BNNR-s-0998				B809054-46			Water	
Bromodichloromethane	0980388	9/12/98	9/12/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.03	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	10.8	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.0	%	
BNNR-d-0998				B809054-47			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	

North Creek Analytical - Bothell

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Matthew Essig, Project Manager

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 38 of 52



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Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210
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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
BNNR-d-0998 (continued)				B809054-47			Water	
Bromoform	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	4.84	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.34	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		98.3	%	
WM-MW-2-0998				B809054-48			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.24	"	
Chloromethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
WM-MW-2-0998 (continued)				B809054-48			Water	
Dibromochloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	2.46	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	6.45	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	0.944	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		94.4	%	
Rinsate-4s-0998				B809054-49			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.55	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>Rinsate-4s-0998 (continued)</u>				<u>B809054-49</u>			<u>Water</u>	
cis-1,2-Dichloroethene	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	1.03	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		100	%	
<u>Bottle-lot-2-0998</u>				<u>B809054-50</u>			<u>Water</u>	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.46	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Bottle-lot-2-0998 (continued)				B809054-50			Water	
Tetrachloroethene	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		100	%	
W-8-090298				B809054-51			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	1.34	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	0.944	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	0.648	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	0.542	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.12	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.11	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		102	%	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 42 of 52



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Bottle-lot-3-0998				B809054-52			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	2.60	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.2	%	
Rinsate-3-0998				B809054-53			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	3.10	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Environmental Laboratory Services

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

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Rinsate-3-0998 (continued)				B809054-53			Water	
Chloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethane	"	"	"		0.500	1.29	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	50.0-150		99.7	%	

YSF-MW-4-0998				B809054-54			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	1.83	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 44 of 52



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Environmental Laboratory Services

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

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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>YSF-MW-4-0998 (continued)</u>				<u>B809054-54</u>			<u>Water</u>	
1,1-Dichloroethene	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
cis-1,2-Dichloroethene	"	"	"		0.500	4.06	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	3.84	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	1.03	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		97.4	%	
<u>U-YS-2-0998</u>				<u>B809054-55</u>			<u>Water</u>	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	3.14	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	ND	"	

North Creek Analytical - Bothell

*Refer to end of report for text of notes and definitions.

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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Page 45 of 52



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PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

Secor-Bellevue 15400 SE 30th Place, Ste. 100 Bellevue, WA 98007	Project: YRRA Project Number: 00378-001.01 Project Manager: Cliff Schmitt	Sampled: 8/31/98 to 9/3/98 Received: 9/2/98 Reported: 9/16/98 11:17
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Halogenated Volatile Organics by EPA Method 8021B (modified)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-YS-2-0998 (continued)				B809054-55			Water	
1,1,2,2-Tetrachloroethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	5.01	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
<i>Surrogate: 4-BFB (ELCD)</i>	"	"	"	50.0-150		99.4	%	
Trip Blank #2				B809054-56			Water	
Bromodichloromethane	0980388	9/12/98	9/13/98		0.500	ND	ug/l	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		0.500	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		0.500	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		0.500	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		2.50	4.56	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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Page 46 of 52



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Halogenated Volatile Organics by EPA Method 8021B (modified) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank #2 (continued)				B809054-56			Water	
Surrogate: 4-BFB (ELCD)	0980388	9/12/98	9/13/98	50.0-150		103	%	

North Creek Analytical - Bothell

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 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Batch: 0980324			Date Prepared: 9/10/98		Extraction Method: EPA 5030B [P/T]					
Blank			0980324-BLK1							
Bromodichloromethane	9/10/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	2.50				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		10.3	"	50.0-150	103			
LCS			0980324-BS1							
Chlorobenzene	9/10/98	10.0		9.43	ug/l	70.0-130	94.3			
1,1-Dichloroethene	"	10.0		10.1	"	70.0-130	101			
Trichloroethene	"	10.0		9.64	"	70.0-130	96.4			
<i>Surrogate: 4-BFB (ELCD)</i>	"	10.0		9.55	"	50.0-150	95.5			

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 48 of 52



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 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Matrix Spike		0980324-MS1	B809054-01							
Chlorobenzene	9/10/98	10.0	ND	8.90	ug/l	70.0-130	89.0			
1,1-Dichloroethene	"	10.0	ND	9.27	"	70.0-130	92.7			
Trichloroethene	"	10.0	ND	9.28	"	70.0-130	92.8			
Surrogate: 4-BFB (ELCD)	"	10.0		9.52	"	50.0-150	95.2			
Matrix Spike Dup		0980324-MSD1	B809054-01							
Chlorobenzene	9/10/98	10.0	ND	9.12	ug/l	70.0-130	91.2	20.0	2.44	
1,1-Dichloroethene	"	10.0	ND	9.21	"	70.0-130	92.1	20.0	0.649	
Trichloroethene	"	10.0	ND	9.50	"	70.0-130	95.0	20.0	2.34	
Surrogate: 4-BFB (ELCD)	"	10.0		9.64	"	50.0-150	96.4			

Batch: 0980367

Date Prepared: 9/11/98

Extraction Method: EPA 5030B [P/T]

Blank

0980367-BLK1

Analyte	Date Analyzed	QC Result	Units	Reporting Limit
Bromodichloromethane	9/11/98	ND	ug/l	0.500
Bromoform	"	ND	"	0.500
Bromomethane	"	ND	"	0.500
Carbon tetrachloride	"	ND	"	0.500
Chlorobenzene	"	ND	"	0.500
Chloroethane	"	ND	"	0.500
Chloroform	"	ND	"	0.500
Chloromethane	"	ND	"	0.500
Dibromochloromethane	"	ND	"	0.500
1,2-Dichlorobenzene	"	ND	"	0.500
1,3-Dichlorobenzene	"	ND	"	0.500
1,4-Dichlorobenzene	"	ND	"	0.500
1,1-Dichloroethane	"	ND	"	0.500
1,2-Dichloroethane	"	ND	"	0.500
1,1-Dichloroethene	"	ND	"	0.500
cis-1,2-Dichloroethene	"	ND	"	0.500
trans-1,2-Dichloroethene	"	ND	"	0.500
1,2-Dichloropropane	"	ND	"	0.500
cis-1,3-Dichloropropene	"	ND	"	0.500
trans-1,3-Dichloropropene	"	ND	"	0.500
Methylene chloride	"	ND	"	2.50
1,1,1,2-Tetrachloroethane	"	ND	"	0.500
Tetrachloroethene	"	ND	"	0.500
1,1,1-Trichloroethane	"	ND	"	0.500
1,1,2-Trichloroethane	"	ND	"	0.500

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
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Page 49 of 52



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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)		0980367-BLK1								
Trichloroethene	9/11/98			ND	ug/l	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		10.7	"	50.0-150	107			
LCS		0980367-BS1								
Chlorobenzene	9/11/98	10.0		8.96	ug/l	70.0-130	89.6			
1,1-Dichloroethene	"	10.0		9.47	"	70.0-130	94.7			
Trichloroethene	"	10.0		9.26	"	70.0-130	92.6			
Surrogate: 4-BFB (ELCD)	"	10.0		9.54	"	50.0-150	95.4			
Matrix Spike		0980367-MS1	B809054-21							
Chlorobenzene	9/11/98	10.0	ND	8.79	ug/l	70.0-130	87.9			
1,1-Dichloroethene	"	10.0	ND	8.79	"	70.0-130	87.9			
Trichloroethene	"	10.0	ND	8.59	"	70.0-130	85.9			
Surrogate: 4-BFB (ELCD)	"	10.0		9.78	"	50.0-150	97.8			
Matrix Spike Dup		0980367-MSD1	B809054-21							
Chlorobenzene	9/11/98	10.0	ND	9.08	ug/l	70.0-130	90.8	20.0	3.25	
1,1-Dichloroethene	"	10.0	ND	9.20	"	70.0-130	92.0	20.0	4.56	
Trichloroethene	"	10.0	ND	9.34	"	70.0-130	93.4	20.0	8.37	
Surrogate: 4-BFB (ELCD)	"	10.0		9.56	"	50.0-150	95.6			
Batch: 0980388		Date Prepared: 9/12/98		Extraction Method: EPA 5030B [P/T]						
Blank		0980388-BLK1								
Bromodichloromethane	9/12/98			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				

North Creek Analytical - Bothell

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18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

Page 50 of 52



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Halogenated Volatile Organics by EPA Method 8021B (modified)/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*
Blank (continued)										
0980388-BLK1										
1,2-Dichloroethane	9/12/98			ND	ug/l	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	2.50				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 4-BFB (ELCD)	"	10.0		9.85	"	50.0-150	98.5			
LCS										
0980388-BS1										
Chlorobenzene	9/12/98	10.0		8.62	ug/l	70.0-130	86.2			
1,1-Dichloroethene	"	10.0		8.92	"	70.0-130	89.2			
Trichloroethene	"	10.0		8.87	"	70.0-130	88.7			
Surrogate: 4-BFB (ELCD)	"	10.0		9.59	"	50.0-150	95.9			
Matrix Spike										
0980388-MS1 B809054-41										
Chlorobenzene	9/12/98	10.0	ND	8.92	ug/l	70.0-130	89.2			
1,1-Dichloroethene	"	10.0	ND	9.03	"	70.0-130	90.3			
Trichloroethene	"	10.0	ND	9.30	"	70.0-130	93.0			
Surrogate: 4-BFB (ELCD)	"	10.0		9.52	"	50.0-150	95.2			
Matrix Spike Dup										
0980388-MSD1 B809054-41										
Chlorobenzene	9/12/98	10.0	ND	8.77	ug/l	70.0-130	87.7	20.0	1.70	
1,1-Dichloroethene	"	10.0	ND	8.74	"	70.0-130	87.4	20.0	3.26	
Trichloroethene	"	10.0	ND	9.09	"	70.0-130	90.9	20.0	2.28	
Surrogate: 4-BFB (ELCD)	"	10.0		9.32	"	50.0-150	93.2			

North Creek Analytical - Bothell

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 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



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Notes and Definitions

#	Note
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- I Methylene chloride is a suspected laboratory contaminant.
- 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

Matthew Essig, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4779
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

(425) 420-9200 FAX 420-9210
 (509) 924-9200 FAX 924-9290
 (503) 906-9200 FAX 906-9210

Work Order # 6809057

CHAIN OF CUSTODY REPORT

REPORT TO:		INVOICE TO:	
ATTENTION: <u>Cliff Schmitt</u>		ATTENTION: <u>"SAME"</u>	
ADDRESS: <u>15400 SE 30th Place, Suite 100</u>		ADDRESS:	
Bellevue, WA 98007		P.O. NUMBER:	
PHONE: <u>(425) 641-9900</u> FAX: <u>(425) 641-9092</u>		Analysis Request:	
PROJECT NAME: <u>YBARA</u>		NCA QUOTE #:	
PROJECT NUMBER: <u>00370-001-01</u>		Analysis Request:	
SAMPLED BY: <u>J Kim Scott</u>		Analysis Request:	
CLIENT SAMPLE IDENTIFICATION		NCA SAMPLE ID (Laboratory Use Only)	
SAMPLING DATE/TIME			
1. RI-15-0898	8:31-8:41/11:15	6809057-01	✓
2. RI-16-0898	11:30	-02	✓
3. RI-25-0898	12:40	-03	✓
4. RI-26-0898	12:50	-04	✓
5. RI-35-0898	14:10	-05	✓
6. RI-3d-0898	14:20	-06	✓
7. RI-55-0898	15:25	-07	✓
8. RI-5d-0898	15:35	-08	✓
9. RI-135-0898	9:08/8:25	-09	✓
10. RI-13d-0898	8:30	-10	✓

RELINQUISHED BY (Signature): <u>J Kim Scott</u>	DATE: <u>9-1-98</u>	RECEIVED BY (Signature): <u>Cathy Nichols</u>	DATE: <u>9-2-98</u>
PRINT NAME: <u>Ken Scott</u>	FIRM: <u>SECOR</u>	PRINT NAME: <u>Cathy Nichols</u>	FIRM: <u>NA</u>
RELINQUISHED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:
RELINQUISHED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:

TURNAROUND REQUEST IN BUSINESS DAYS *	OTHER Specify:
Organic & Inorganic Analyses	
1 2 3 4 5 7	
Fuels & Hydrocarbon Analyses	
1 2 3-4 5	

MATRIX (W.S.A. #)	# OF CONTAINERS	COMMENTS
W	3	HCO
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	



NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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(425) 420-9200 FAX 420-9210
(509) 924-9200 FAX 924-9290
(503) 906-9200 FAX 906-9210

CHAIN OF CUSTODY REPORT

Work Order # **6809054**

REPORT TO: **Cliff Schmitt**

ATTENTION: **"SAME"**

ADDRESS: **15400 SE 30th Place, Suite 100**

BelleVue, WA 98007

PHONE: **(425) 641-9900** FAX: **(425) 641-9992**

PROJECT NAME: **YRRA**

PROJECT NUMBER: **00378-001-01**

SAMPLED BY: **Y. Schmitt / Brian Kalab**

CLIENT SAMPLE IDENTIFICATION: **BRIAN KALAB**

NCA SAMPLE ID (Laboratory Use Only): **6809054**

IDENTIFICATION	SAMPLING DATE/TIME	ANALYSIS REQUEST	NCA QUOTE #	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1. RI-13I-0998	9-19-98/8:05	✓		W	3	HCA
2. RI-14S-0998	9:40	✓		W	3	
3. RI-14d-0998	9:35	✓		W	3	
4. RI-7S-0998	10:45	✓		W	3	
5. RI-7d-0998	10:50	✓		W	3	
6. RI-12S-0998	11:55	✓		W	3	
7. RI-12d-0998	11:50	✓		W	3	
8. RI-8S-0998	13:05	✓		W	3	
9. RI-8d-0998	13:10	✓		W	3	
10. RI-2S-0998	✓ 14:15	✓		W	3	✓

INVOICE TO:

TURNAROUND REQUEST in Business Days *
 7 5 4 3 2 1 Same Day
 5 3-4 2 1 Same Day SUNDAY

OTHER Specify: _____
 * Turnaround Requests less than standard may incur Rush Charges.

RELINQUISHED BY: **Y. Schmitt** DATE: **9-1-98** RECEIVED BY: _____ DATE: _____
 PRINT NAME: **KEN SCOTT** FIRM: **SECOR** TIME: **6:25**

RELINQUISHED BY: _____ DATE: _____ RECEIVED BY: _____ DATE: _____
 PRINT NAME: _____ FIRM: _____ TIME: _____

ADDITIONAL REMARKS:



CHAIN OF CUSTODY REPORT

Work Order # **B809057**

REPORT TO: ATTENTION: <i>Client Selma Hoff</i> ADDRESS: <i>15400 SE 30th Place, Suite 100</i> <i>Bellevue, WA. 98007</i> PHONE: <i>(425) 641-9900</i> FAX: <i>(425) 641-9092</i> PROJECT NAME: <i>YRRA</i> PROJECT NUMBER: <i>00328-001-01</i> SAMPLED BY: <i>Jean Scott / Brian Kalab</i>		INVOICE TO: ATTENTION: <i>"SAME"</i> ADDRESS: _____ P.O. NUMBER: _____ Analysis Request: _____ NCA QUOTE #: _____	
CLIENT SAMPLE IDENTIFICATION CLIENT SAMPLE IDENTIFICATION SAMPLING DATE/TIME NCA SAMPLE ID (Laboratory Use Only)		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input checked="" type="checkbox"/> 10 Standard <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day Fuels & Hydrocarbon Analyses <input type="checkbox"/> 5 Standard <input type="checkbox"/> 3-4 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day OTHER Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.	
1. <i>FW-MW-1-0098</i> <i>2-31-98/11:15</i> <i>B809057 23</i> ✓ 2. <i>AMW-3-0898</i> <i>12:40</i> <i>-24</i> ✓ 3. <i>CYI-MW-1033-0898</i> <i>13:30</i> <i>-25</i> ✓ 4. <i>CYE-MW-1034-0898</i> <i>13:25</i> <i>26</i> ✓ 5. <i>N-MW-2-0898</i> <i>15:40</i> <i>-27</i> ✓ 6. <i>SG-MW-3-0998</i> <i>11:25/11:10</i> <i>28</i> ✓ 7. <i>H-MW-2-0998</i> <i>11:55</i> <i>-29</i> ✓ 8. <i>Bottle-lot-1-0998</i> <i>14:00</i> <i>30</i> ✓ 9. <i>RINSATE-1-0998</i> <i>14:10</i> <i>31</i> ✓ 10. <i>P-MW-3-0998</i> <i>15:30</i> <i>32</i> ✓ 11. <i>11MW-2-0898</i> <i>2-10-98</i> <i>33</i> ✓		MATRIX (W, S, A, O) <i>W</i> # OF CONTAINERS <i>3</i> COMMENTS <i>HCA</i>	
RECEIVED BY (Signature): <i>Ken Scott</i> DATE: <i>2-1-98</i> FIRM: <i>SECOR</i>		RECEIVED BY (Signature): _____ DATE: _____ FIRM: _____	
PRINT NAME: <i>Ken Scott</i> TIME: <i>16:25</i> FIRM: <i>SECOR</i>		PRINT NAME: _____ DATE: _____ FIRM: _____	
ADDITIONAL REMARKS: _____		ADDITIONAL REMARKS: _____	



CHAIN OF CUSTODY REPORT

Work Order # **6909054**

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

REPORT TO: ATTENTION: "SAME" ADDRESS: 15400 SE 30th Place, Suite 100 Belleveue, WA 98007 PHONE: (425) 641-2200 FAX: (425) 641-9092 PROJECT NAME: YRBA PROJECT NUMBER: 0037H-001-01 SAMPLED BY: J Ken Scott / Brian Kalab		INVOICE TO: ATTENTION: "SAME" ADDRESS: 15400 SE 30th Place, Suite 100 Belleveue, WA 98007 PHONE: (425) 641-2200 FAX: (425) 641-9092 PROJECT NAME: YRBA PROJECT NUMBER: 0037H-001-01 SAMPLED BY: J Ken Scott / Brian Kalab		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses: <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day Fuels & Hydrocarbon Analyses: <input type="checkbox"/> 5 <input type="checkbox"/> 3-4 <input type="checkbox"/> 2 <input type="checkbox"/> 1 Same Day Standard OTHER: <input type="checkbox"/> Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.	
CLIENT SAMPLE IDENTIFICATION 1. BI-4s-0998 9/27/98/11:30 -34 ✓ 2. BI-4d-0998 11:40 -35 ✓ 3. BI-6s-0998 2:00 -36 ✓ 4. BI-6d-0998 2:05 -37 ✓ 5. BI-10s-0998 9/28/15:45 -38 ✓ 6. BI-10d-0998 15:50 -39 ✓ 7. BI-11s-0998 9/28/17:50 -40 ✓ 8. BI-11d-0998 7:55 -41 ✓ 9. BI-15s-0998 15:30 -42 ✓ 10. BI-15d-0998 15:40 -43 ✓		NCA QUOTE #: Analysis Request: 0100 for 5/5/98		MATRIX (W, S, A, O) W 3 HCL W 3 W 3 W 3 W 3 W 3 W 3 W 3 W 3 W 3	
RELIQUISHED BY (Signature): <i>J Ken Scott</i> DATE: 9-3-98 TIME: 15:45 PRINT NAME: Ken Scott FIRM: SSCOR		RECEIVED BY (Signature): <i>Cathy Nichols</i> DATE: 9/3/98 TIME: 15:45 PRINT NAME: Cathy Nichols FIRM: 1710		RELIQUISHED BY (Signature): _____ DATE: _____ TIME: _____ PRINT NAME: _____ FIRM: _____	
ADDITIONAL REMARKS: 6909054		RECEIVED BY (Signature): _____ DATE: _____ TIME: _____ PRINT NAME: _____ FIRM: _____		RECEIVED BY (Signature): _____ DATE: _____ TIME: _____ PRINT NAME: _____ FIRM: _____	



CHAIN OF CUSTODY REPORT

Work Order # **B809057**

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7112 (503) 643-9200 FAX 644-2202

REPORT TO:		INVOICE TO:	
ATTENTION: Cliff Schmitt		ATTENTION: "SAME"	
ADDRESS: 15400 SE 30th Place, Suite 100		ADDRESS:	
PROJECT NAME: YRRA		NCA QUOTE #:	
PROJECT NUMBER: 00378-001-01		Analysis Request: Analysis by Bold	
SAMPLED BY: Ken Scott / Brian Kalab		P.O. NUMBER:	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	Analysis Request
1. RI-16d-0998	9-2-98 15:00	B809057-41	<input checked="" type="checkbox"/>
2. RI-17d-0998	15:05	-45	<input checked="" type="checkbox"/>
3. BNNR-5-0998	15:10	-46	<input checked="" type="checkbox"/>
4. BNNR-1-0998	13:45	-47	<input checked="" type="checkbox"/>
5. WM-MW-2-0998	9:25	-48	<input checked="" type="checkbox"/>
6. Rinsate-4s-0998	10:45	-49	<input checked="" type="checkbox"/>
7. BeHe-lot-2-0998	11:00	-50	<input checked="" type="checkbox"/>
8. W-8-090298	11:10	-51	<input checked="" type="checkbox"/>
9. Boffs-lot-3-0998	13:00	-52	<input checked="" type="checkbox"/>
10. Rinsate-3-0998	15:50	-53	<input checked="" type="checkbox"/>
RELINQUISHED BY (Signature): Ken Scott	DATE: 9-3-98	RECEIVED BY (Signature): Cathy Nichols	DATE: 9/3/98
PRINT NAME: Ken Scott	FIRM: SECOR	PRINT NAME:	FIRM: N/A
RELINQUISHED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
ADDITIONAL REMARKS: *Please Hold Sample RI-17d-0998 until notified otherwise.			

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses

Fuels & Hydrocarbon Analyses

OTHER Specify: _____

* Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
W	3	HCL
	3	*Hold
	3	
	3	
	3	
	3	
	2	
	3	
	2	
	3	

