

APPENDIX C

King County Environmental Lab

Analytical Reports:

Metals and BNA Organics

King County Environmental Lab Analytical Report																			
PROJECT: 421055AA					B430 NE 178TH STREET AN					Locator: B430 Descrip: NE 178TH STREET AN Client Loc: Sampled: Jun 24, 1999 Lab ID: L15538-2 Matrix: STORM WTR % Solids:			Locator: C446 Descrip: JUANITA CREEK/BRI Client Loc: Sampled: Jun 24, 1999 Lab ID: L15538-3 Matrix: STORM WTR % Solids:						
Jun 24, 1999 L15538-1 STORM WTR																			
Parameters					Qual	MDL	RDL	Units		Value	Qual	MDL	RDL	Units		Value	Qual	MDL	RDL
					-Wet Weight Basis										-Wet Weight Basis				
COMBINED LABS																			
M=CV SM2540-D (03-01-009-001)																			
Total Suspended Solids					0.5	1	mg/L		156	0.5	1	mg/L		312	0.5	1			
M=ES NONE																			
Discharge Rate of Stream					cfs				54.9	cfs				110					
Sample Depth					m				0.3	m				0.45					
Sample Function									FREP@L15538-1	none									
Sample Start Time					hr				715	hr				750					
Sampling Method					none				65021	none									
M=MT EPA 200.8 (06-03-004&004A-001)																			
Antimony, Total, ICP-MS					<RDL	0.0005	0.0025	mg/L		0.00051	<RDL	0.0005	0.0025	mg/L		0.00076	<RDL	0.0005	0.0025
Arsenic, Total, ICP-MS						0.0005	0.0025	mg/L		0.00512		0.0005	0.0025	mg/L		0.0082		0.0005	0.0025
Barium, Total, ICP-MS						0.0002	0.001	mg/L		0.0545		0.0002	0.001	mg/L		0.111		0.0002	0.001
Beryllium, Total, ICP-MS					<MDL	0.0002	0.001	mg/L			<MDL	0.0002	0.001	mg/L		0.00021	<RDL	0.0002	0.001
Cadmium, Total, ICP-MS					<RDL	0.0001	0.0005	mg/L		0.00029	<RDL	0.0001	0.0005	mg/L		0.00047	<RDL	0.0001	0.0005
Chromium, Total, ICP-MS						0.0004	0.002	mg/L		0.0138		0.0004	0.002	mg/L		0.0252		0.0004	0.002
Cobalt, Total, ICP-MS						0.0002	0.001	mg/L		0.00316		0.0002	0.001	mg/L		0.00773		0.0002	0.001
Copper, Total, ICP-MS						0.0004	0.002	mg/L		0.0125		0.0004	0.002	mg/L		0.0244		0.0004	0.002
Lead, Total, ICP-MS						0.0002	0.001	mg/L		0.0217		0.0002	0.001	mg/L		0.0283		0.0002	0.001
Molybdenum, Total, ICP-MS					<MDL	0.0005	0.0025	mg/L			<MDL	0.0005	0.0025	mg/L		0.00056	<RDL	0.0005	0.0025
Nickel, Total, ICP-MS						0.0003	0.0015	mg/L		0.0132		0.0003	0.0015	mg/L		0.0298		0.0003	0.0015
Selenium, Total, ICP-MS					<MDL	0.0015	0.0075	mg/L			<MDL	0.0015	0.0075	mg/L			<MDL	0.0015	0.0075
Silver, Total, ICP-MS					<MDL	0.0002	0.001	mg/L			<MDL	0.0002	0.001	mg/L			<MDL	0.0002	0.001
Thallium, Total, ICP-MS					<MDL	0.0002	0.001	mg/L			<MDL	0.0002	0.001	mg/L			<MDL	0.0002	0.001
Vanadium, Total, ICP-MS						0.0003	0.0015	mg/L		0.0159		0.0003	0.0015	mg/L		0.0313		0.0003	0.0015
Zinc, Total, ICP-MS						0.0005	0.0025	mg/L		0.0648		0.0005	0.0025	mg/L		0.106		0.0005	0.0025
M=MT EPA 245.2 (06-01-004-001)																			
Mercury, Total, CVAA					<MDL	0.0002	0.0006	mg/L			<MDL	0.0002	0.0006	mg/L			<MDL	0.0002	0.0006
M=MT SM2340B.ED19 (06-02-004-002)																			
Hardness, Calc					0.2	1.25	mg CaCO3/L		34.4	0.2	1.25	mg CaCO3/L		50	0.2	1.25			
M=OR EPA 3520C/625 (7-3-01-004)																			
1,2,4-Trichlorobenzene					<MDL	0.15	0.245	ug/L											
1,2-Dichlorobenzene					<MDL	0.15	0.245	ug/L											
1,2-Diphenylhydrazine					<MDL	0.49	0.98	ug/L											
1,3-Dichlorobenzene					<MDL	0.15	0.245	ug/L											
1,4-Dichlorobenzene					<MDL	0.15	0.245	ug/L											
2,4,5-Trichlorophenol					<MDL	0.98	1.96	ug/L											
2,4,6-Trichlorophenol					<MDL	0.98	1.96	ug/L											
2,4-Dichlorophenol					<MDL	0.25	0.49	ug/L											
2,4-Dimethylphenol					<MDL	0.25	0.49	ug/L											
2,4-Dinitrophenol					<MDL	0.49	0.98	ug/L											
2,4-Dinitrotoluene					<MDL	0.098	0.196	ug/L											
2,6-Dinitrotoluene					<MDL	0.098	0.196	ug/L											
2-Chloronaphthalene					<MDL	0.15	0.245	ug/L											
2-Chlorophenol					<MDL	0.49	0.98	ug/L											
2-Methylnaphthalene					<MDL	0.39	0.735	ug/L											
2-Methylphenol					<MDL	0.25	0.49	ug/L											
2-Nitroaniline					<MDL	0.98	1.47	ug/L											
2-Nitrophenol					<MDL	0.25	0.49	ug/L											
3,3'-Dichlorobenzidine					<MDL	0.25	0.49	ug/L											
3-Nitroaniline					<MDL	0.98	1.47	ug/L											
4,6-Dinitro-O-Cresol					<MDL	0.49	0.98	ug/L											
4-Bromophenyl Phenyl Ether					<MDL	0.098	0.147	ug/L											
4-Chloro-3-Methylphenol					<MDL	0.49	0.98	ug/L											
4-Chloroaniline					<MDL	0.49	0.98	ug/L											
4-Chlorophenyl Phenyl Ether					<MDL	0.15	0.245	ug/L											
4-Methylphenol					<MDL	0.25	0.49	ug/L											
4-Nitroaniline					<MDL	0.98	1.47	ug/L											
4-Nitrophenol					<MDL	0.49	0.98	ug/L											
Acenaphthene					<MDL	0.098	0.196	ug/L											
Acenaphthylene					<MDL	0.15	0.245	ug/L											
Aniline					<MDL	0.49	0.98	ug/L											
Anthracene					<MDL	0.15	0.245	ug/L											
Benzidine					<MDL	5.9	11.8	ug/L											
Benzo(a)anthracene					<MDL	0.15	0.245	ug/L											
Benzo(a)pyrene					<MDL	0.25	0.49	ug/L											
Benzo(b)fluoranthene					<MDL	0.39	0.735	ug/L											
Benzo(g,h,i)perylene					<MDL	0.25	0.49	ug/L											
Benzo(k)fluoranthene					<MDL	0.39	0.735	ug/L											
Benzoic Acid						0.98	1.47	ug/L											
Benzyl Alcohol					<MDL	0.25	0.49	ug/L											
Benzyl Butyl Phthalate					<MDL	0.15	0.245	ug/L											
Bis(2-Chloroethoxy)Methane					<MDL	0.25	0.49	ug/L											
Bis(2-Chloroethyl)Ether					<MDL	0.15	0.245	ug/L											
Bis(2-Chloroisopropyl)Ether					<MDL	0.49	0.98	ug/L											
Bis(2-Ethylhexyl)Phthalate					B	0.15	0.245	ug/L											
Caffeine					<RDL	0.049	0.245	ug/L											
Carbazole					<MDL	0.25	0.49	ug/L											
Chrysene					<MDL	0.15	0.245	ug/L											
Coprostanol					<MDL	2.5	4.9	ug/L											
Dibenzo(a,h)anthracene					<MDL	0.39	0.735	ug/L											
Dibenzofuran					<MDL	0.25	0.49	ug/L											
Diethyl Phthalate					<MDL	0.25	0.49	ug/L											
Dimethyl Phthalate					<MDL	0.098	0.147	ug/L											
Di-N-Butyl Phthalate					<MDL	0.25	0.49	ug/L											
Di-N-Octyl Phthalate					<MDL	0.15	0.245	ug/L											
Fluoranthene					<MDL	0.15	0.294	ug/L											
Fluorene					<MDL	0.15	0.245	ug/L											
Hexachlorobenzene					<MDL	0.15	0.245	ug/L											
Hexachlorobutadiene					<MDL	0.25	0.49	ug/L											
Hexachlorocyclopentadiene					<MDL	0.25	0.49	ug/L											
Hexachloroethane					<MDL	0.25	0.49	ug/L											
Indeno(1,2,3-Cd)Pyrene					<MDL	0.25	0.49	ug/L											
Isophorone					<MDL	0.25	0.49	ug/L											
Naphthalene					<MDL	0.39	0.735	ug/L											
Nitrobenzene					<MDL	0.25	0.49	ug/L											
N-Nitrosodimethylamine					<MDL	0.98	1.47	ug/L											
N-Nitrosodi-N-Propylamine					<MDL	0.25	0.49	ug/L											
N-Nitrosodiphenylamine					<MDL	0.25	0.49	ug/L											
Pentachlorophenol					<MDL	0.25	0.49	ug/L											
Phenanthrene					<MDL	0.15	0.245	ug/L											
Phenol					<MDL	0.98	1.47	ug/L											
Pyrene					<MDL	0.15	0.245	ug/L											

King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: B430
 Descrip: NE 178TH STREET AN
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-1
 Matrix: FRESH WTR
 % Solids:

Locator: C446
 Descrip: JUANITA CREEK//BRI
 Client Loc: Juanita Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-2
 Matrix: FRESH WTR
 % Solids:

Locator: BLANK1
 Descrip: Blank1
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-3
 Matrix: BLANK WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units

COMBINED LABS

M=CV SM2540-D (03-01-009-001)

Total Suspended Solids	2.1		0.5	1	mg/L
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M=ES NONE

Discharge Rate of Stream	1.6				cfs
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Sample Depth	0.1				m
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Sample Function					
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Sample Start Time	1225				hr
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Sampling Method	65021				none
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M=MT EPA 200.8 (06-03-004&004A-001)

Antimony, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Arsenic, Total, ICP-MS	0.0015	<RDL	0.0005	0.0025	mg/L
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Barium, Total, ICP-MS	0.0119		0.0002	0.001	mg/L
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Beryllium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Cadmium, Total, ICP-MS	<MDL	0.0001	0.0005		mg/L
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Chromium, Total, ICP-MS	0.00069	<RDL	0.0004	0.002	mg/L
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Copper, Total, ICP-MS	0.0012	<RDL	0.0004	0.002	mg/L
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Lead, Total, ICP-MS	0.00035	<RDL	0.0002	0.001	mg/L
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Molybdenum, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Nickel, Total, ICP-MS	0.0013	<RDL	0.0003	0.0015	mg/L
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Selenium, Total, ICP-MS	<MDL	0.0015	0.0075		mg/L
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Silver, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Thallium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Zinc, Total, ICP-MS	0.0024	<RDL	0.0005	0.0025	mg/L
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M=MT EPA 245.2 (06-01-004-001)

Mercury, Total, CVAA	<MDL	0.0002	0.0006		mg/L
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M=MT SM2340B.ED19 (06-02-004-002)

Hardness, Calc	102		0.2	1.25	mg CaCO3/L
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M=OR EPA 3520C/625 (7-3-01-004)

1,2,4-Trichlorobenzene	<MDL	0.14	0.236		ug/L
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1,2-Dichlorobenzene	<MDL	0.14	0.236		ug/L
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1,2-Diphenylhydrazine	<MDL	0.47	0.943		ug/L
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1,3-Dichlorobenzene	<MDL	0.14	0.236		ug/L
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1,4-Dichlorobenzene	<MDL	0.14	0.236		ug/L
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2,4,5-Trichlorophenol	<MDL	0.94	1.89		ug/L
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Value	Qual	MDL	RDL	Units

-Wet Weight Basis

1.1		0.5	1	mg/L
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3.9				cfs
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0.28				m
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1010				hr
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65021				none
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<MDL	0.0005	0.0025		mg/L
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0.0011	<RDL	0.0005	0.0025	mg/L
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0.00979		0.0002	0.001	mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0001	0.0005		mg/L
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0.0006	<RDL	0.0004	0.002	mg/L
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0.0011	<RDL	0.0004	0.002	mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0005	0.0025		mg/L
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0.0011	<RDL	0.0003	0.0015	mg/L
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<MDL	0.0015	0.0075		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0002	0.001		mg/L
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0.0017	<RDL	0.0005	0.0025	mg/L
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<MDL	0.0002	0.0006		mg/L
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89.1		0.2	1.25	mg CaCO3/L
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Value	Qual	MDL	RDL	Units

-Wet Weight Basis

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FB@L16099				none
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1224				hr
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0001	0.0005		mg/L
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<MDL	0.0004	0.002		mg/L
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<MDL	0.0004	0.002		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0003	0.0015		mg/L
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<MDL	0.0015	0.0075		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.2	1.25	mg CaCO3/L	
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King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: B430
 Descrip: NE 178TH STREET AN
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-1
 Matrix: FRESH WTR
 % Solids:

Locator: C446
 Descrip: JUANITA CREEK//BRI
 Client Loc: Juanita Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-2
 Matrix: FRESH WTR
 % Solids:

Locator: BLANK1
 Descrip: Blank1
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-3
 Matrix: BLANK WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units
			-Wet Weight Basis		

COMBINED LABS

2,4,6-Trichlorophenol	<MDL	0.94	1.89	ug/L
2,4-Dichlorophenol	<MDL	0.24	0.472	ug/L
2,4-Dimethylphenol	<MDL	0.24	0.472	ug/L
2,4-Dinitrophenol	<MDL	0.47	0.943	ug/L
2,4-Dinitrotoluene	<MDL	0.094	0.189	ug/L
2,6-Dinitrotoluene	<MDL	0.094	0.189	ug/L
2-Chloronaphthalene	<MDL	0.14	0.236	ug/L
2-Chlorophenol	<MDL	0.47	0.943	ug/L
2-Methylnaphthalene	<MDL	0.38	0.708	ug/L
2-Methylphenol	<MDL	0.24	0.472	ug/L
2-Nitroaniline	<MDL	0.94	1.42	ug/L
2-Nitrophenol	<MDL	0.24	0.472	ug/L
3,3'-Dichlorobenzidine	<MDL	0.24	0.472	ug/L
3-Nitroaniline	<MDL	0.94	1.42	ug/L
4,6-Dinitro-O-Cresol	<MDL	0.47	0.943	ug/L
4-Bromophenyl Phenyl Ether	<MDL	0.094	0.142	ug/L
4-Chloro-3-Methylphenol	<MDL	0.47	0.943	ug/L
4-Chloroaniline	<MDL	0.47	0.943	ug/L
4-Chlorophenyl Phenyl Ether	<MDL	0.14	0.236	ug/L
4-Methylphenol	<MDL	0.24	0.472	ug/L
4-Nitroaniline	<MDL	0.94	1.42	ug/L
4-Nitrophenol	<MDL	0.47	0.943	ug/L
Acenaphthene	<MDL	0.094	0.189	ug/L
Acenaphthylene	<MDL	0.14	0.236	ug/L
Aniline	<MDL	0.47	0.943	ug/L
Anthracene	<MDL	0.14	0.236	ug/L
Benzidine	<MDL	5.7	11.3	ug/L
Benzo(a)anthracene	<MDL	0.14	0.236	ug/L
Benzo(a)pyrene	<MDL	0.24	0.472	ug/L
Benzo(b)fluoranthene	<MDL	0.38	0.708	ug/L
Benzo(g,h,i)perylene	<MDL	0.24	0.472	ug/L
Benzo(k)fluoranthene	<MDL	0.38	0.708	ug/L
Benzoic Acid	<MDL	0.94	1.42	ug/L
Benzyl Alcohol	<MDL	0.24	0.472	ug/L

Value	Qual	MDL	RDL	Units
		-Wet Weight Basis		

Value	Qual	MDL	RDL	Units
		-Wet Weight Basis		

King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: B430
 Descrip: NE 178TH STREET AN
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-1
 Matrix: FRESH WTR
 % Solids:

Locator: C446
 Descrip: JUANITA CREEK//BRI
 Client Loc: Juanita Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-2
 Matrix: FRESH WTR
 % Solids:

Locator: BLANK1
 Descrip: Blank1
 Client Loc: Lyon Creek
 Sampled: Aug 17, 1999
 Lab ID: L16099-3
 Matrix: BLANK WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units
			-Wet Weight Basis		

COMBINED LABS

Benzyl Butyl Phthalate	<MDL	0.14	0.236	ug/L
Bis(2-Chloroethoxy)Methane	<MDL	0.24	0.472	ug/L
Bis(2-Chloroethyl)Ether	<MDL	0.14	0.236	ug/L
Bis(2-Chloroisopropyl)Ether	<MDL	0.47	0.943	ug/L
Bis(2-Ethylhexyl)Phthalate	1.11	B	0.14	0.236
Caffeine	0.052	<RDL	0.047	0.236
Carbazole	<MDL	0.24	0.472	ug/L
Chrysene	<MDL	0.14	0.236	ug/L
Coprostanol	<MDL	2.4	4.72	ug/L
Dibenzo(a,h)anthracene	<MDL	0.38	0.708	ug/L
Dibenzofuran	<MDL	0.24	0.472	ug/L
Diethyl Phthalate	<MDL	0.24	0.472	ug/L
Dimethyl Phthalate	<MDL	0.094	0.142	ug/L
Di-N-Butyl Phthalate	<MDL	0.24	0.472	ug/L
Di-N-Octyl Phthalate	<MDL	0.14	0.236	ug/L
Fluoranthene	<MDL	0.14	0.283	ug/L
Fluorene	<MDL	0.14	0.236	ug/L
Hexachlorobenzene	<MDL	0.14	0.236	ug/L
Hexachlorobutadiene	<MDL	0.24	0.472	ug/L
Hexachlorocyclopentadiene	<MDL	0.24	0.472	ug/L
Hexachloroethane	<MDL	0.24	0.472	ug/L
Indeno(1,2,3-Cd)Pyrene	<MDL	0.24	0.472	ug/L
Isophorone	<MDL	0.24	0.472	ug/L
Naphthalene	<MDL	0.38	0.708	ug/L
Nitrobenzene	<MDL	0.24	0.472	ug/L
N-Nitrosodimethylamine	<MDL	0.94	1.42	ug/L
N-Nitrosodi-N-Propylamine	<MDL	0.24	0.472	ug/L
N-Nitrosodiphenylamine	<MDL	0.24	0.472	ug/L
Pentachlorophenol	<MDL	0.24	0.472	ug/L
Phenanthrene	<MDL	0.14	0.236	ug/L
Phenol	<MDL	0.94	1.42	ug/L
Pyrene	<MDL	0.14	0.236	ug/L

Value	Qual	MDL	RDL	Units
			-Wet Weight Basis	

Value	Qual	MDL	RDL	Units
			-Wet Weight Basis	

King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: M438
 Descrip: ROCK CREEK//ON 244
 Client Loc: Reference site
 Sampled: Aug 17, 1999
 Lab ID: L16099-4
 Matrix: FRESH WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units
					-Wet Weight Basis

COMBINED LABS

M=CV SM2540-D (03-01-009-001)

Total Suspended Solids	4.9		0.5	1	mg/L
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M=ES NONE

Discharge Rate of Stream	9				cfs
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Sample Depth	0.33				m
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Sample Function					
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Sample Start Time	1052				hr
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Sampling Method	65021				none
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M=MT EPA 200.8 (06-03-004&004A-001)

Antimony, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Arsenic, Total, ICP-MS	0.00081	<RDL	0.0005	0.0025	mg/L
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Barium, Total, ICP-MS	0.0055		0.0002	0.001	mg/L
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Beryllium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Cadmium, Total, ICP-MS	<MDL	0.0001	0.0005		mg/L
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Chromium, Total, ICP-MS	0.00041	<RDL	0.0004	0.002	mg/L
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Copper, Total, ICP-MS	0.00053	<RDL	0.0004	0.002	mg/L
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Lead, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Molybdenum, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Nickel, Total, ICP-MS	0.00037	<RDL	0.0003	0.0015	mg/L
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Selenium, Total, ICP-MS	<MDL	0.0015	0.0075		mg/L
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Silver, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Thallium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Zinc, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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M=MT EPA 245.2 (06-01-004-001)

Mercury, Total, CVAA	<MDL	0.0002	0.0006		mg/L
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M=MT SM2340B.ED19 (06-02-004-002)

Hardness, Calc	24.7		0.2	1.25	mg CaCO3/L
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M=OR EPA 3520C/625 (7-3-01-004)

1,2,4-Trichlorobenzene					
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1,2-Dichlorobenzene					
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1,2-Diphenylhydrazine					
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1,3-Dichlorobenzene					
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1,4-Dichlorobenzene					
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2,4,5-Trichlorophenol					
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King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: M438
 Descrip: ROCK CREEK//ON 244
 Client Loc: Reference site
 Sampled: Aug 17, 1999
 Lab ID: L16099-4
 Matrix: FRESH WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units
					-Wet Weight Basis

COMBINED LABS

2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-O-Cresol
4-Bromophenyl Phenyl Ether
4-Chloro-3-Methylphenol
4-Chloroaniline
4-Chlorophenyl Phenyl Ether
4-Methylphenol
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Aniline
Anthracene
Benzidine
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Benzoic Acid
Benzyl Alcohol

King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: M438
Descrip: ROCK CREEK//ON 244
Client Loc: Reference site
Sampled: Aug 17, 1999
Lab ID: L16099-4
Matrix: FRESH WTR
% Solids:

Parameters	Value	Qual	MDL	RDL	Units
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-Wet Weight Basis

COMBINED LABS

Benzyl Butyl Phthalate
Bis(2-Chloroethoxy)Methane
Bis(2-Chloroethyl)Ether
Bis(2-Chloroisopropyl)Ether
Bis(2-Ethylhexyl)Phthalate
Caffeine
Carbazole
Chrysene
Coprostanol
Dibenzo(a,h)anthracene
Dibenzofuran
Diethyl Phthalate
Dimethyl Phthalate
Di-N-Butyl Phthalate
Di-N-Octyl Phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-Cd)Pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-N-Propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene

PROJECT: 421055		Locator: B430 Descrip: NE 178TH STREET AN Client Loc: Sampled: Oct 08, 1999 Lab ID: L16490-1 Matrix: STORM WTR % Solids:					Locator: C446 Descrip: JUANITA CREEK//BRI Client Loc: Sampled: Oct 08, 1999 Lab ID: L16490-2 Matrix: STORM WTR % Solids:					Locator: BLANK1 Descrip: Blank1 Client Loc: B430 Sampled: Oct 08, 1999 Lab ID: L16490-3 Matrix: BLANK WTR % Solids:					Locator: M438 Descrip: ROCK CREEK//ON 244 Client Loc: Sampled: Oct 08, 1999 Lab ID: L16490-4 Matrix: STORM WTR % Solids:				
Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	
COMBINED LABS																					
M=CV SM2540-D (03-01-009-001)																					
Total Suspended Solids	102		0.5	1	mg/L	49.2		0.5	1	mg/L						35.2		0.5	1	mg/L	
M=ES NONE																					
Discharge Rate of Stream	12				cfs	30				cfs						16				cfs	
Sample Function											FB@L16490				none						
Sample Start Time	925				hr	930				hr	931				hr	1133				hr	
Sample Temperature	12.5				deg C											11.5				deg C	
Sampling Method	62021				none											62021, 80011				none	
Staff Height																1.7				ft	
M=MT EPA 200.8 (06-03-004&004A-001)																					
Antimony, Total, ICP-MS	0.00059	<RDL	0.0005	0.0025	mg/L	0.00079	<RDL	0.0005	0.0025	mg/L	<MDL	0.0005	0.0025	mg/L		<MDL	0.0005	0.0025	mg/L		
Arsenic, Total, ICP-MS	0.00508		0.0005	0.0025	mg/L	0.00263		0.0005	0.0025	mg/L	<MDL	0.0005	0.0025	mg/L		0.0014	<RDL	0.0005	0.0025	mg/L	
Barium, Total, ICP-MS	0.0469		0.0002	0.001	mg/L	0.0225		0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		0.0126		0.0002	0.001	mg/L	
Beryllium, Total, ICP-MS		<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L		
Cadmium, Total, ICP-MS	0.00021	<RDL	0.0001	0.0005	mg/L		<MDL	0.0001	0.0005	mg/L	<MDL	0.0001	0.0005	mg/L		<MDL	0.0001	0.0005	mg/L		
Chromium, Total, ICP-MS	0.00972		0.0004	0.002	mg/L	0.00381		0.0004	0.002	mg/L	<MDL	0.0004	0.002	mg/L		0.0012	<RDL	0.0004	0.002	mg/L	
Cobalt, Total, ICP-MS	0.00208		0.0002	0.001	mg/L	0.00099	<RDL	0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		0.00076	<RDL	0.0002	0.001	mg/L	
Copper, Total, ICP-MS	0.0109		0.0004	0.002	mg/L	0.00693		0.0004	0.002	mg/L	<MDL	0.0004	0.002	mg/L		0.00218		0.0004	0.002	mg/L	
Lead, Total, ICP-MS	0.0158		0.0002	0.001	mg/L	0.00543		0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		0.0007	<RDL	0.0002	0.001	mg/L	
Molybdenum, Total, ICP-MS	0.00065	<RDL	0.0005	0.0025	mg/L	0.00053	<RDL	0.0005	0.0025	mg/L	<MDL	0.0005	0.0025	mg/L		<MDL	0.0005	0.0025	mg/L		
Nickel, Total, ICP-MS	0.00896		0.0003	0.0015	mg/L	0.0044		0.0003	0.0015	mg/L	<MDL	0.0003	0.0015	mg/L		0.0012	<RDL	0.0003	0.0015	mg/L	
Selenium, Total, ICP-MS		<MDL	0.0015	0.0075	mg/L		<MDL	0.0015	0.0075	mg/L	<MDL	0.0015	0.0075	mg/L		<MDL	0.0015	0.0075	mg/L		
Silver, Total, ICP-MS		<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L		
Thallium, Total, ICP-MS		<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L	<MDL	0.0002	0.001	mg/L		<MDL	0.0002	0.001	mg/L		
Vanadium, Total, ICP-MS	0.0117		0.0003	0.0015	mg/L	0.0052		0.0003	0.0015	mg/L	<MDL	0.0003	0.0015	mg/L		0.00226		0.0003	0.0015	mg/L	
Zinc, Total, ICP-MS	0.0548		0.0005	0.0025	mg/L	0.0256		0.0005	0.0025	mg/L	<MDL	0.0005	0.0025	mg/L		0.00286		0.0005	0.0025	mg/L	
M=MT EPA 245.2 (06-01-004-001)																					
Mercury, Total, CVAA		<MDL	0.0002	0.0006	mg/L		<MDL	0.0002	0.0006	mg/L	<MDL	0.0002	0.0006	mg/L		<MDL	0.0002	0.0006	mg/L		
M=MT SM2340B.ED19 (06-02-004-002)																					
Hardness, Calc	67.6		0.2	1.25	mg CaCO3/L	37.9		0.2	1.25	mg CaCO3/L	<MDL	0.2	1.25	mg CaCO3/L		23.5		0.2	1.25	mg CaCO3/L	

King County Environmental Lab Analytical Report

PROJECT: 421055AA

Locator: B430
 Descrip: NE 178TH STREET AN
 Sampled: Nov 16, 1999
 Lab ID: L16753-1
 Matrix: STORM WTR
 % Solids:

Locator: C446
 Descrip: JUANITA CREEK//BRI
 Sampled: Nov 16, 1999
 Lab ID: L16753-2
 Matrix: STORM WTR
 % Solids:

Locator: BLANK1
 Descrip: Blank1
 Sampled: Nov 16, 1999
 Lab ID: L16753-3
 Matrix: BLANK WTR
 % Solids:

Locator: M438
 Descrip: ROCK CREEK//ON 244
 Sampled: Nov 16, 1999
 Lab ID: L16753-4
 Matrix: STORM WTR
 % Solids:

Parameters	Value	Qual	MDL	RDL	Units
					- Wet Weight Basis

COMBINED LABS

M=CV SM2540-D (03-01-009-001)

Total Suspended Solids	44.7		0.5	1	mg/L
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M=ES NONE

Sample Function					
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Sample Start Time	1805				hr
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Sample Temperature	10.8				
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M=MT EPA 200.8 (06-03-004&004A-001)

Aluminum, Total, ICP-MS	1.21		0.02	0.1	mg/L
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Antimony, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Arsenic, Total, ICP-MS	0.0021	<RDL	0.0005	0.0025	mg/L
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Barium, Total, ICP-MS	0.0229		0.0002	0.001	mg/L
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Beryllium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Cadmium, Total, ICP-MS	<MDL	0.0001	0.0005		mg/L
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Chromium, Total, ICP-MS	0.0043		0.0004	0.002	mg/L
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Cobalt, Total, ICP-MS	0.0009	<RDL	0.0002	0.001	mg/L
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Copper, Total, ICP-MS	0.00526		0.0004	0.002	mg/L
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Lead, Total, ICP-MS	0.0065		0.0002	0.001	mg/L
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Molybdenum, Total, ICP-MS	<MDL	0.0005	0.0025		mg/L
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Nickel, Total, ICP-MS	0.00471		0.0003	0.0015	mg/L
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Selenium, Total, ICP-MS	<MDL	0.0015	0.0075		mg/L
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Silver, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Thallium, Total, ICP-MS	<MDL	0.0002	0.001		mg/L
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Vanadium, Total, ICP-MS	0.00485		0.0003	0.0015	mg/L
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Zinc, Total, ICP-MS	0.0268		0.0005	0.0025	mg/L
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M=MT EPA 245.2 (06-01-004-001)

Mercury, Total, CVAA	<MDL	0.0002	0.0006		mg/L
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M=MT SM2340B.ED19 (06-02-004-002)

Hardness, Calc	56.7		0.2	1.25	mg CaCO3/L
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Value	Qual	MDL	RDL	Units
				- Wet Weight Basis

29.9		0.5	1	mg/L
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Value	Qual	MDL	RDL	Units
				- Wet Weight Basis

FB@L16753				none
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1806				hr
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11.2				
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<MDL	0.0005	0.0025		mg/L
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0.0012	<RDL	0.0005	0.0025	mg/L
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<MDL	0.0002	0.001		mg/L
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0.0146		0.0002	0.001	mg/L
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<MDL	0.0001	0.0005		mg/L
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0.001	<RDL	0.0004	0.002	mg/L
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0.00028	<RDL	0.0002	0.001	mg/L
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<MDL	0.0004	0.002		mg/L
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0.00135		0.0002	0.001	mg/L
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<MDL	0.0005	0.0025		mg/L
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0.00211		0.0003	0.0015	mg/L
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<MDL	0.0015	0.0075		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0002	0.001		mg/L
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0.00154		0.0003	0.0015	mg/L
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0.00843		0.0005	0.0025	mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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Value	Qual	MDL	RDL	Units
				- Wet Weight Basis

3		0.5	1	mg/L
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1720				hr
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9.4				
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0002	0.001		mg/L
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0.00518		0.0002	0.001	mg/L
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<MDL	0.0001	0.0005		mg/L
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<MDL	0.0004	0.002		mg/L
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<MDL	0.0002	0.001		mg/L
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0.00048	<RDL	0.0004	0.002	mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0005	0.0025		mg/L
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<MDL	0.0003	0.0015		mg/L
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<MDL	0.0015	0.0075		mg/L
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<MDL	0.0002	0.001		mg/L
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<MDL	0.0002	0.001		mg/L
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0.00043	<RDL	0.0003	0.0015	mg/L
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0.00063	<RDL	0.0005	0.0025	mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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<MDL	0.0002	0.0006		mg/L
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