

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested: STD	Page: 1 of 2
ARI Client Company: Anchor QEA	Phone: 206 287 9130	Date: 11/7/12 Ice Present?
Client Contact: David Gillingham / Cindy Fields	No. of Coolers:	Cooler Temps:

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested								Notes/Comments	
					Grain Size	TS/TSS/HOC	metals	SVOC	PAH(SIM)	PCB	Pest	D/Fs		TBT Bulk
HT-01-S-C-121106	11/6/12	8:36	Sed	6	X	X	X	X	X	X		X		X
HT-02-S-C-121106		8:56		6	X	X	X	X	X	X		X		X
HT-03-S-C-121106		9:20		6	X	X	X	X	X	X		X		X
HT-04-S-C-121106		10:02		6	X	X	X	X	X	X		X		X
HT-05-S-C-121106		10:33		6	X	X	X	X	X	X		X		X
HT-06-S-E-121106		11:12		7	X	X	X	X	X	X	X	X	X	X
HT-07-S-E-121106		11:48		7	X	X	X	X	X	X	X	X	X	X
HT-08-S-C-121106		12:46		6	X	X	X	X	X	X		X		X
HT-09-S-C-121106		13:05		6	X	X	X	X	X	X		X		X
Comments/Special Instructions	Relinquished by: David Gillingham (Signature)		Received by: Chris Atwell (Signature)		Relinquished by: _____ (Signature)		Received by: _____ (Signature)		Printed Name:		Printed Name:		Printed Name:	
	Printed Name: David Gillingham		Printed Name: Chris Atwell		Printed Name:		Printed Name:		Company:		Company:		Company:	
	Company: Anchor QEA		Company: ARI		Company:		Company:		Date & Time:		Date & Time:		Date & Time:	
	Date & Time: 11/7/12 0600		Date & Time: 11/7/12 1101		Date & Time:		Date & Time:							

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ARI Assigned Number:	Turn-around Requested: STD	Page: 2 of 2
ARI Client Company: Anchor QEA	Phone: 206 287-9130	Date: 11/7/12 Ice Present?
Client Contact: David Fillingham / Cindy Fields	No. of Coolers:	Cooler Temps:

Sample ID	Time Date	Date Time	Matrix	No. Containers	Analysis Requested										Notes/Comments
					Grain Size	TS/VS	TOC	metals	SVOC	PAH(SLM)	PCB	Pest	D/Fs	TBT Bulk	
HT-10-S-LFP-121106	1441	11/6/12	Sed	6	X	X	X	X	X	X	X		X		X
HT-11-S-LFP-121106	1355	11/6/12	Sed	6	X	X	X	X	X	X		X		X	

Comments/Special Instructions	Relinquished by: <i>David Fillingham</i> (Signature)	Received by: <i>Chris Ansell</i> (Signature)	Relinquished by: _____ (Signature)	Received by: _____ (Signature)
	Printed Name: <i>David Fillingham</i>	Printed Name: <i>Chris Ansell</i>	Printed Name: _____	Printed Name: _____
	Company: <i>Anchor QEA</i>	Company: <i>ARI</i>	Company: _____	Company: _____
	Date & Time: <i>11/7/12 0600</i>	Date & Time: <i>11/07/12 1101</i>	Date & Time: _____	Date & Time: _____

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ARI Assigned Number: _____ Turn-around Requested: *std.*

Page: _____ of _____

ARI Client Company: *Anchor QEA* Phone: *206 287 9130*

Date: *11/7/12* Ice Present? _____

Client Contact: _____

No. of Coolers: _____ Cooler Temps: _____

Client Project Name: _____

Analysis Requested								Notes/Comments
<i>Total metals</i>	<i>Dissolved metals *</i>	<i>SVOC</i>	<i>PAH(Sim)</i>	<i>PCP</i>	<i>TSS</i>	<i>TDS</i>	<i>Hardness</i>	

Client Project #: _____ Samplers: _____

Sample ID	Date	Time	Matrix	No. Containers
<i>HT-01-W-C-121107</i>	<i>11/7/12</i>	<i>1546</i>	<i>Water</i>	<i>11</i>
<i>HT-04-W-C-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>
<i>HT-04-W-C-dup-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>
<i>WTS-10-W-C-121107</i>	<i>11/7/12</i>	<i>1450</i>	<i>Water</i>	<i>11</i>

<i>HT-01-W-C-121107</i>	<i>11/7/12</i>	<i>1546</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>HT-04-W-C-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>HT-04-W-C-dup-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>WTS-10-W-C-121107</i>	<i>11/7/12</i>	<i>1450</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>

<i>HT-04-W-C-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>WTS-10-W-C-121107</i>	<i>11/7/12</i>	<i>1450</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>

<i>HT-04-W-C-121107</i>	<i>11/7/12</i>	<i>1615</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>WTS-10-W-C-121107</i>	<i>11/7/12</i>	<i>1450</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>

<i>WTS-10-W-C-121107</i>	<i>11/7/12</i>	<i>1450</i>	<i>Water</i>	<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
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Analysis Requested								Notes/Comments
<i>Total metals</i>	<i>Dissolved metals *</i>	<i>SVOC</i>	<i>PAH(Sim)</i>	<i>PCP</i>	<i>TSS</i>	<i>TDS</i>	<i>Hardness</i>	
<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	

<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
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<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
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<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
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<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
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**Lab filtered for Dissolved metals*

Comments/Special Instructions

Relinquished by: _____
(Signature)

Received by: _____
(Signature)

Relinquished by: _____
(Signature)

Received by: _____
(Signature)

Printed Name: *David Gillingham*

Printed Name: *Chris Howell*

Printed Name: _____

Printed Name: _____

Company: *Anchor QEA*

Company: *ARI*

Company: _____

Company: _____

Date & Time: *11/8/12 0600*

Date & Time: *11/8/12 0935*

Date & Time: _____

Date & Time: _____

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ARI Client Company: <i>Anchor QEA</i>	Phone: <i>206 2879130</i>	Date: <i>11/8/12</i> Ice Present?
Client Contact: <i>David Gillingham / Cindy Fields</i>	No. of Coolers:	Cooler Temps:



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Client Project Name:					Analysis Requested									Notes/Comments
Client Project #:		Samplers:			Grain Size	TS/VS/TOC	metals	SVOC	PAH(sim)	PCB	D/F	Pest	TBT Bulk	
Sample ID	Date	Time	Matrix	No. Containers										
<i>SG-10-S-E-121107</i>	<i>11/7/12</i>	<i>0858</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-11-S-E-121107</i>	<i>11/7/12</i>	<i>0942</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-12-S-E-121107</i>	<i>11/7/12</i>	<i>1007</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-13-S-E-121107</i>	<i>11/7/12</i>	<i>1036</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-13-S-E-dup-121107</i>	<i>11/8/12</i>	<i>1036</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-14-S-E-121107</i>	<i>11/7/12</i>	<i>1114</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-15-S-E-121107</i>	<i>11/7/12</i>	<i>1155</i>	<i>Sed</i>	<i>7</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SG-16-S-E-121107</i>	<i>11/7/12</i>	<i>1310</i>	<i>Sed</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>X</i>
<i>SG-17-S-E-121107</i>	<i>11/7/12</i>	<i>1337</i>	<i>Sed</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>X</i>
<i>SG-01-S-C-121107</i>	<i>11/7/12</i>	<i>1417</i>	<i>Sed</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>X</i>
Comments/Special Instructions	Relinquished by: <i>(Signature)</i>	Received by: <i>(Signature)</i>			Relinquished by: <i>(Signature)</i>				Received by: <i>(Signature)</i>					
	Printed Name: <i>David Gillingham</i>	Printed Name: <i>Chris Annett</i>			Printed Name:				Printed Name:					
	Company: <i>Anchor QEA</i>	Company: <i>ARC1</i>			Company:				Company:					
	Date & Time: <i>11/8/12 0600</i>	Date & Time: <i>11/8/12 0735</i>			Date & Time:				Date & Time:					

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ARI Assigned Number:	Turn-around Requested: STD	Page: 1 of 1
ARI Client Company: Anchor QEA	Phone: 206 287-9130	Date: 11/9/12 Ice Present? Y
Client Contact: David Gillingham / Cindy Fields		No. of Coolers: 5 Cooler Temps: 0.4-82.1

Client Project Name: **City of Kenmore Sediments**

Client Project #: **120B91-01.01** Samplers: **DG RH**

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested										Notes/Comments			
					Grain Size	TSS/TS/SS/TOC	metals	SVOC	PAH/SIM	PCB	Pest	D/Fs	TBT Pore Water	TBT Archive Bulk		Archive		
SG-01-S-C-1211	11/8/12		Sed	6	X	X	X	X	X	X	X	X	X	X	X	X	X	
SG-02-S-C-1211	11/8/12	0815	Sed	9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-03-S-C-1211		0848		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-04-S-C-1211		0941		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-05-S-C-1211		1028		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-06-S-C-1211		1112		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-07-S-C-1211		1218		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-07-S-C-dup-1211		1218		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-08-S-C-1211		1305		9	X	X	X	X	X	X	X	X	X	X	X	A	X	
SG-09-S-C-1211		1342		9	X	X	X	X	X	X	X	X	X	X	X	A	X	

Comments/Special Instructions	Relinquished by: (Signature) <i>David Gillingham</i>	Received by: (Signature) <i>Jennifer Wilcox</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: David Gillingham	Printed Name: Jennifer Wilcox	Printed Name:	Printed Name:
	Company: Anchor QEA	Company: ARI	Company:	Company:
	Date & Time: 11/8/12 1520	Date & Time: 11/8/12 1520	Date & Time:	Date & Time:

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Daily Log



Anchor QEA L.L.C.
720 Olive Way, Suite 1900
Seattle, WA 98101
Phone 206.287.9130 Fax 206.287.9131

PROJECT NAME: Kenmore Sediment Characterization

DATE: 11/7/12

SITE ADDRESS: Kenmore Washington

PERSONNEL: DG KH

WEATHER:	WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
		SUNNY	CLOUDY	RAIN	?	TEMPERATURE:			° F	° C		

[Circle appropriate units]

TIME	COMMENTS
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See Field Logs for detailed logging and sampling

Equipment on site:

0730	arrive morning to load vessel
	vessel Peter R - MSS Dale Dickinson capt.
	DG & KH of AQ with Mauro O'Brien Ecy.
0810	all about H&S discussion
0850	depart Dock to SG-10
0858	SG-10 - collected sample
0942	SG-11 - collected sample
1007	SG-12 - collected sample, DOE sample for method comparison
1036	SG-13 - collected sample and duplicate
1114	SG-14 - collected sample and porewater, DOE sample for method comparison
1155	SG-15 - collected sample
1310	SG-16 - collected sample
1337	SG-17 - collected sample
1417	SG-01 - collected sample
1450	WS-10-WC - collected water samples and water quality data. Total drift 45.5 yards @ 330° true
1511	Returned to dock to unload coolers.
1546	HT-01 - Collected water samples and water quality data
1615	HT-04 - Collected water samples with duplicate and water quality data

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site
Safety infractions, Important comments/instructions to contractors

Signature: _____

Daily Log



Anchor QEA L.L.C.
720 Olive Way, Suite 1900
Seattle, WA 98101
Phone 206.287.9130 Fax 206.287.9131

PROJECT NAME: Kenmore Sediment Characterization

DATE: 11/8/12

SITE ADDRESS: Kenmore Washington

PERSONNEL: DG, KH

WEATHER: WIND FROM:

N	NE	E	SE	S	SW	W	NW
SUNNY		CLOUDY		RAIN			?

 LIGHT: MEDIUM HEAVY
TEMPERATURE: 40.0 °C
(Circle appropriate units)

TIME COMMENTS

See Field Logs for detailed logging and sampling

Equipment on site:

0715	David arrived at the marina/boat launch - loaded boat
0720	Kerna arrived at the marina/boat launch - prepped field logs
0815	SG-02 - collected sample
0848	SG-03 - collected sample
	SG-04
0920	performed cross channel bathy observation - confirmed station SG-05 is centered in nav. channel
0930	call to Dan - decided to move 50' towards SG-04 - try again
0941	collected grab #2 for SG-04
1028	collected grab #2 for SG-05 #1 grab over penetrated, moved legs down 3 inches
1112	collected SG-06 - under penetrated, moved legs up 2 inches
1218	SG-07 - collected sample. Perfect grab. Collected duplicate.
1256	cross section at SG-08 new indicates station is at toe of south channel cut. moved station 10' to N, to be in channel but within 10' of station
1305	collected SG-08 1 grab
1342	collected SG-09 1 grab - final sample
1406	Arrived back at marina/boat launch

Notes: Work performed, Phone calls made, Problems Issues/Resolutions, Visitors on site
Safety infractions, Important comments/instructions to contractors

Signature: _____