

Chemtech Consulting Group

Analytical Review Report

Date Printed : 10/26/17
 Analyst : 
 Data File : LB91034.csv

Approved By : 
 Approved Date : 10/28/17
 Worksheet # :

Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1	
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Bromide												
STD1	STD1				W	10/3/17						
Bromide		PASS	0.000		0.000						mg/L	
STD2	STD2				W	10/3/17						
Bromide		PASS	0.764		0.764						mg/L	
STD3	STD3				W	10/3/17						
Bromide		PASS	2.104		2.10						mg/L	
STD4	STD4				W	10/3/17						
Bromide		PASS	3.876		3.88						mg/L	
STD5	STD5				W	10/3/17						
Bromide		PASS	9.759		9.76						mg/L	
STD6	STD6				W	10/3/17						
Bromide		PASS	19.571		19.6						mg/L	
STD7	STD7				W	10/3/17						
Bromide		PASS	25.425		25.4						mg/L	
ICV1	ICV1				W	10/3/17						
Bromide		PASS	9.841		9.84	98.0	90	110			mg/L	
ICB1	ICB1				W	10/3/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
CCV1	CCV1				W	10/25/17						
Bromide		PASS	9.559		9.56	96.0	90	110			mg/L	
CCB1	CCB1				W	10/25/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB91034BLS	LB91034BLS				S	10/25/17						
Bromide		PASS	0.000		0.000			+/-0.1900			mg/Kg	
LB91034BSS	LB91034BSS				S	10/25/17						
Bromide		PASS	9.617		192.00	96.0	90.00	110.00			mg/Kg	
I6095-01	SAMPLE-A		1		S	10/25/17						
Bromide		PASS	0.000		0.000						mg/Kg	
I6095-02	SAMPLE-B		1		S	10/25/17						
Bromide		PASS	0.000		0.000						mg/Kg	
I6095-02D	SAMPLE-BD		1		S	10/25/17						
Bromide		PASS	0.000		0.00				0	20	mg/Kg	
I6095-02S	SAMPLE-BS		1		S	10/25/17						
Bromide		PASS	9.914		211.0	99.0	80	120			mg/Kg	
I6095-02SD	SAMPLE-BSD		1		S	10/25/17						
Bromide		PASS	9.909		211.0	99.0	80	120	0	15	mg/Kg	
CCV2	CCV2				W	10/25/17						
Bromide		PASS	9.501		9.50	95.0	90	110			mg/L	
CCB2	CCB2				W	10/25/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	

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Lab Sample ID	Client ID	Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter		PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Chloride											
STD1	STD1			W	10/3/17						
Chloride		PASS		0.000	0.000					mg/L	
STD2	STD2			W	10/3/17						
Chloride		PASS		0.222	0.222					mg/L	
STD3	STD3			W	10/3/17						
Chloride		PASS		0.638	0.638					mg/L	
STD4	STD4			W	10/3/17						
Chloride		PASS		1.167	1.17					mg/L	
STD5	STD5			W	10/3/17						
Chloride		PASS		2.923	2.92					mg/L	
STD6	STD6			W	10/3/17						
Chloride		PASS		5.874	5.87					mg/L	
STD7	STD7			W	10/3/17						
Chloride		PASS		7.626	7.63					mg/L	
ICV1	ICV1			W	10/3/17						
Chloride		PASS		2.962	2.96	99.0	90	110		mg/L	
ICB1	ICB1			W	10/3/17						
Chloride		PASS		0.000	0.000			+/-0.0750		mg/L	
CCV1	CCV1			W	10/25/17						
Chloride		PASS		2.835	2.84	95.0	90	110		mg/L	
CCB1	CCB1			W	10/25/17						
Chloride		PASS		0.000	0.000			+/-0.0750		mg/L	
LB91034BLS	LB91034BLS			S	10/25/17						
Chloride		PASS		0.000	0.000			+/-0.0320		mg/Kg	
LB91034BSS	LB91034BSS			S	10/25/17						
Chloride		PASS		2.899	58.00	97.0	90.00	110.00		mg/Kg	
I6095-01	SAMPLE-A		1	S	10/25/17						
Chloride		PASS		0.168	3.37					mg/Kg	
I6095-02	SAMPLE-B		1	S	10/25/17						
Chloride		PASS		0.119	2.53					mg/Kg	
I6095-02D	SAMPLE-BD		1	S	10/25/17						
Chloride		PASS		0.112	2.38			6.1	20	mg/Kg	
I6095-02S	SAMPLE-BS		1	S	10/25/17						
Chloride		PASS		3.243	69.0	104.0	80	120		mg/Kg	
I6095-02SD	SAMPLE-BSD		1	S	10/25/17						
Chloride		PASS		3.244	69.2	104.0	80	120	0.3	15	mg/Kg
CCV2	CCV2			W	10/25/17						
Chloride		PASS		2.867	2.87	96.0	90	110		mg/L	
CCB2	CCB2			W	10/25/17						
Chloride		PASS		0.000	0.000			+/-0.0750		mg/L	

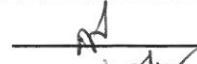
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Fluoride												
STD1	STD1				W	10/3/17						
Fluoride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	10/3/17						
Fluoride		PASS	0.139		0.139						mg/L	
STD3	STD3				W	10/3/17						
Fluoride		PASS	0.425		0.425						mg/L	
STD4	STD4				W	10/3/17						
Fluoride		PASS	0.771		0.771						mg/L	
STD5	STD5				W	10/3/17						
Fluoride		PASS	1.949		1.95						mg/L	
STD6	STD6				W	10/3/17						
Fluoride		PASS	3.974		3.97						mg/L	
STD7	STD7				W	10/3/17						
Fluoride		PASS	5.041		5.04						mg/L	
ICV1	ICV1				W	10/3/17						
Fluoride		PASS	2.064		2.06	103.0	90	110			mg/L	
ICB1	ICB1				W	10/3/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
CCV1	CCV1				W	10/25/17						
Fluoride		PASS	2.052		2.05	103.0	90	110			mg/L	
CCB1	CCB1				W	10/25/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB91034BLS	LB91034BLS				S	10/25/17						
Fluoride		PASS	0.000		0.000			+/-0.0170			mg/Kg	
LB91034BSS	LB91034BSS				S	10/25/17						
Fluoride		PASS	2.064		41.30	103.0	90.00	110.00			mg/Kg	
I6095-01	SAMPLE-A			1	S	10/25/17						
Fluoride		PASS	0.000		0.000						mg/Kg	
I6095-02	SAMPLE-B			1	S	10/25/17						
Fluoride		PASS	0.000		0.000						mg/Kg	
I6095-02D	SAMPLE-BD			1	S	10/25/17						
Fluoride		PASS	0.000		0.00				0	20	mg/Kg	
I6095-02S	SAMPLE-BS			1	S	10/25/17						
Fluoride		PASS	2.053		43.7	103.0	80	120			mg/Kg	
I6095-02SD	SAMPLE-BSD			1	S	10/25/17						
Fluoride		PASS	1.973		42.1	99.0	80	120	3.7	15	mg/Kg	
CCV2	CCV2				W	10/25/17						
Fluoride		PASS	2.059		2.06	103.0	90	110			mg/L	
CCB2	CCB2				W	10/25/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Nitrate												
STD1	STD1				W	10/3/17						
Nitrate		PASS	0.000		0.000						mg/L	
STD2	STD2				W	10/3/17						
Nitrate		PASS	0.197		0.197						mg/L	
STD3	STD3				W	10/3/17						
Nitrate		PASS	0.530		0.530						mg/L	
STD4	STD4				W	10/3/17						
Nitrate		PASS	0.967		0.967						mg/L	
STD5	STD5				W	10/3/17						
Nitrate		PASS	2.429		2.43						mg/L	
STD6	STD6				W	10/3/17						
Nitrate		PASS	4.892		4.89						mg/L	
STD7	STD7				W	10/3/17						
Nitrate		PASS	6.360		6.36						mg/L	
ICV1	ICV1				W	10/3/17						
Nitrate		PASS	2.459		2.46	98.0	90	110			mg/L	
ICB1	ICB1				W	10/3/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
CCV1	CCV1				W	10/25/17						
Nitrate		PASS	2.346		2.35	94.0	90	110			mg/L	
CCB1	CCB1				W	10/25/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
LB91034BLS	LB91034BLS				S	10/25/17						
Nitrate		PASS	0.000		0.000			+/-0.0110			mg/Kg	
LB91034BSS	LB91034BSS				S	10/25/17						
Nitrate		PASS	2.401		48.00	96.0	90.00	110.00			mg/Kg	
I6095-01	SAMPLE-A			1	S	10/25/17						
Nitrate		PASS	0.000		0.000						mg/Kg	
I6095-02	SAMPLE-B			1	S	10/25/17						
Nitrate		PASS	0.000		0.000						mg/Kg	
I6095-02D	SAMPLE-BD			1	S	10/25/17						
Nitrate		PASS	0.000		0.00				0	20	mg/Kg	
I6095-02S	SAMPLE-BS			1	S	10/25/17						
Nitrate		PASS	2.466		52.5	99.0	80	120			mg/Kg	
I6095-02SD	SAMPLE-BSD			1	S	10/25/17						
Nitrate		PASS	2.467		52.6	99.0	80	120	0.2	15	mg/Kg	
CCV2	CCV2				W	10/25/17						
Nitrate		PASS	2.366		2.37	95.0	90	110			mg/L	
CCB2	CCB2				W	10/25/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	

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Lab Sample ID	Client ID	Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter		PPB	Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units
										Line 2
Nitrite										
STD1	STD1			W	10/3/17					
Nitrite		PASS	0.000	0.000						mg/L
STD2	STD2			W	10/3/17					
Nitrite		PASS	0.226	0.226						mg/L
STD3	STD3			W	10/3/17					
Nitrite		PASS	0.626	0.626						mg/L
STD4	STD4			W	10/3/17					
Nitrite		PASS	1.156	1.16						mg/L
STD5	STD5			W	10/3/17					
Nitrite		PASS	2.940	2.94						mg/L
STD6	STD6			W	10/3/17					
Nitrite		PASS	5.898	5.90						mg/L
STD7	STD7			W	10/3/17					
Nitrite		PASS	7.605	7.60						mg/L
ICV1	ICV1			W	10/3/17					
Nitrite		PASS	2.935	2.94	98.0	90	110			mg/L
ICB1	ICB1			W	10/3/17					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L
CCV1	CCV1			W	10/25/17					
Nitrite		PASS	2.882	2.88	96.0	90	110			mg/L
CCB1	CCB1			W	10/25/17					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L
LB91034BLS	LB91034BLS			S	10/25/17					
Nitrite		PASS	0.000	0.000			+/-0.0100			mg/Kg
LB91034BSS	LB91034BSS			S	10/25/17					
Nitrite		PASS	2.950	59.00	98.0	90.00	110.00			mg/Kg
I6095-01	SAMPLE-A		1	S	10/25/17					
Nitrite		PASS	0.000	0.000						mg/Kg
I6095-02	SAMPLE-B		1	S	10/25/17					
Nitrite		PASS	0.000	0.000						mg/Kg
I6095-02D	SAMPLE-BD		1	S	10/25/17					
Nitrite		PASS	0.000	0.00				0	20	mg/Kg
I6095-02S	SAMPLE-BS		1	S	10/25/17					
Nitrite		PASS	3.027	64.4	101.0	80	120			mg/Kg
I6095-02SD	SAMPLE-BSD		1	S	10/25/17					
Nitrite		PASS	3.025	64.5	101.0	80	120	0.2	15	mg/Kg
CCV2	CCV2			W	10/25/17					
Nitrite		PASS	2.906	2.91	97.0	90	110			mg/L
CCB2	CCB2			W	10/25/17					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L

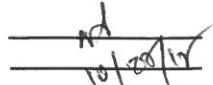
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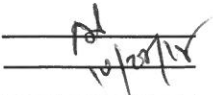
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Lab Sample ID	Client ID	Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter		PPB	Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units
Ortho Phosphate										
STD1	STD1			W	10/3/17					
Ortho Phosphate		PASS	0.000	0.000						mg/L
STD2	STD2			W	10/3/17					
Ortho Phosphate		PASS	-0.087	-0.087						mg/L
STD3	STD3			W	10/3/17					
Ortho Phosphate		PASS	1.183	1.18						mg/L
STD4	STD4			W	10/3/17					
Ortho Phosphate		PASS	2.173	2.17						mg/L
STD5	STD5			W	10/3/17					
Ortho Phosphate		PASS	5.125	5.12						mg/L
STD6	STD6			W	10/3/17					
Ortho Phosphate		PASS	9.804	9.80						mg/L
STD7	STD7			W	10/3/17					
Ortho Phosphate		PASS	12.553	12.6						mg/L
ICV1	ICV1			W	10/3/17					
Ortho Phosphate		PASS	5.461	5.46	109.0	90	110			mg/L
ICB1	ICB1			W	10/3/17					
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L
CCV1	CCV1			W	10/25/17					
Ortho Phosphate		PASS	5.086	5.09	102.0	90	110			mg/L
CCB1	CCB1			W	10/25/17					
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L
LB91034BLS	LB91034BLS			S	10/25/17					
Ortho Phosphate		PASS	0.000	0.000			+/-0.0020			mg/Kg
LB91034BSS	LB91034BSS			S	10/25/17					
Ortho Phosphate		PASS	5.278	106.00	106.0	90.00	110.00			mg/Kg
I6095-01	SAMPLE-A		1	S	10/25/17					
Ortho Phosphate		PASS	0.000	0.000						mg/Kg
I6095-02	SAMPLE-B		1	S	10/25/17					
Ortho Phosphate		PASS	0.000	0.000						mg/Kg
I6095-02D	SAMPLE-BD		1	S	10/25/17					
Ortho Phosphate		PASS	0.000	0.00				0	20	mg/Kg
I6095-02S	SAMPLE-BS		1	S	10/25/17					
Ortho Phosphate		PASS	5.204	111.0	105.0	80	120			mg/Kg
I6095-02SD	SAMPLE-BSD		1	S	10/25/17					
Ortho Phosphate		PASS	5.171	110.0	103.0	80	120	0.9	15	mg/Kg
CCV2	CCV2			W	10/25/17					
Ortho Phosphate		PASS	5.352	5.35	107.0	90	110			mg/L
CCB2	CCB2			W	10/25/17					
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L

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Parameter		PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Sulfate											
STD1	STD1			W	10/3/17						
Sulfate		PASS		0.000	0.000					mg/L	
STD2	STD2			W	10/3/17						
Sulfate		PASS		1.334	1.33					mg/L	
STD3	STD3			W	10/3/17						
Sulfate		PASS		3.223	3.22					mg/L	
STD4	STD4			W	10/3/17						
Sulfate		PASS		5.746	5.75					mg/L	
STD5	STD5			W	10/3/17						
Sulfate		PASS		14.384	14.4					mg/L	
STD6	STD6			W	10/3/17						
Sulfate		PASS		29.286	29.3					mg/L	
STD7	STD7			W	10/3/17						
Sulfate		PASS		38.277	38.3					mg/L	
ICV1	ICV1			W	10/3/17						
Sulfate		PASS		14.553	14.60	97.0	90	110		mg/L	
ICB1	ICB1			W	10/3/17						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	
CCV1	CCV1			W	10/25/17						
Sulfate		PASS		13.629	13.60	91.0	90	110		mg/L	
CCB1	CCB1			W	10/25/17						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	
LB91034BLS	LB91034BLS			S	10/25/17						
Sulfate		PASS		0.000	0.000			+/-0.0960		mg/Kg	
LB91034BSS	LB91034BSS			S	10/25/17						
Sulfate		PASS		13.935	279.00	93.0	90.00	110.00		mg/Kg	
I6095-01	SAMPLE-A		1	S	10/25/17						
Sulfate		PASS		1.091	21.9					mg/Kg	
I6095-02	SAMPLE-B		1	S	10/25/17						
Sulfate		PASS		1.450	30.8					mg/Kg	
I6095-02D	SAMPLE-BD		1	S	10/25/17						
Sulfate		PASS		1.584	33.70			9.0	20	mg/Kg	
I6095-02S	SAMPLE-BS		1	S	10/25/17						
Sulfate		PASS		15.623	333.0	95.0	80	120		mg/Kg	
I6095-02SD	SAMPLE-BSD		1	S	10/25/17						
Sulfate		PASS		15.624	333.0	94.0	80	120	0	15	mg/Kg
CCV2	CCV2			W	10/25/17						
Sulfate		PASS		13.716	13.70	91.0	90	110		mg/L	
CCB2	CCB2			W	10/25/17						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	