

Chemtech Consulting Group

Analytical Review Report

Date Printed : 3/13/18
 Analyst : AW
 Data File : LB93825.csv

Approved By : [Signature]
 Approved Date : 3/13/18
 Worksheet # : 1

Lab Sample ID	Client ID		Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method			Line 1
Parameter				Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units
Bromide											
STD1	STD1				W	2/19/18					
Bromide		PASS	0.000	0.000							mg/L
STD2	STD2				W	2/19/18					
Bromide		PASS	0.850	0.850							mg/L
STD3	STD3				W	2/19/18					
Bromide		PASS	2.213	2.21							mg/L
STD4	STD4				W	2/19/18					
Bromide		PASS	4.034	4.03							mg/L
STD5	STD5				W	2/19/18					
Bromide		PASS	9.828	9.83							mg/L
STD6	STD6				W	2/19/18					
Bromide		PASS	20.025	20.0							mg/L
STD7	STD7				W	2/19/18					
Bromide		PASS	24.718	24.7							mg/L
ICV1	ICV1				W	2/20/18					
Bromide		PASS	9.767	9.77	98.0		90	110			mg/L
ICB1	ICB1				W	2/20/18					
Bromide		PASS	0.000	0.000				+/-0.0660			mg/L
CCV1	CCV1				W	3/12/18					
Bromide		PASS	9.346	9.35	94.0		90	110			mg/L
CCB1	CCB1				W	3/12/18					
Bromide		PASS	0.000	0.000				+/-0.0660			mg/L
LB93825BLS	LB93825BLS				S	3/12/18					
Bromide		PASS	0.000	0.000				+/-0.1900			mg/Kg
LB93825BSS	LB93825BSS				S	3/12/18					
Bromide		PASS	9.145	183.00	92.0		90.00	110.00			mg/Kg
J1880-01	SAMPLE-F			1	S	3/12/18					
Bromide		PASS	0.000	0.000							mg/Kg
J1880-01D	SAMPLE-FD			1	S	3/12/18					
Bromide		PASS	0.000	0.00					0	20	mg/Kg
J1880-01S	SAMPLE-FS			1	S	3/12/18					
Bromide		PASS	9.809	201.0	98.0		80	120			mg/Kg
J1880-01SD	SAMPLE-FSD			1	S	3/12/18					
Bromide		PASS	9.793	201.0	98.0		80	120	0	15	mg/Kg
CCV2	CCV2				W	3/12/18					
Bromide		PASS	9.368	9.37	94.0		90	110			mg/L
CCB2	CCB2				W	3/12/18					
Bromide		PASS	0.000	0.000				+/-0.0660			mg/L

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Analyst : AK

Data File : LB93825.csv

Approved By : AK

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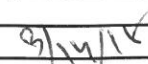
Worksheet # : 9/14/18

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	2/19/18						
Chloride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	2/19/18						
Chloride		PASS	0.216		0.216						mg/L	
STD3	STD3				W	2/19/18						
Chloride		PASS	0.624		0.624						mg/L	
STD4	STD4				W	2/19/18						
Chloride		PASS	1.201		1.20						mg/L	
STD5	STD5				W	2/19/18						
Chloride		PASS	2.875		2.88						mg/L	
STD6	STD6				W	2/19/18						
Chloride		PASS	5.979		5.98						mg/L	
STD7	STD7				W	2/19/18						
Chloride		PASS	7.390		7.39						mg/L	
ICV1	ICV1				W	2/20/18						
Chloride		PASS	2.925		2.92	97.0	90	110			mg/L	
ICB1	ICB1				W	2/20/18						
Chloride		PASS	0.000		0.000			+/-0.0750			mg/L	
CCV1	CCV1				W	3/12/18						
Chloride		PASS	2.815		2.82	94.0	90	110			mg/L	
CCB1	CCB1				W	3/12/18						
Chloride		PASS	0.000		0.000			+/-0.0750			mg/L	
LB93825BLS	LB93825BLS				S	3/12/18						
Chloride		PASS	0.000		0.000			+/-0.0320			mg/Kg	
LB93825BSS	LB93825BSS				S	3/12/18						
Chloride		PASS	2.715		54.20	90.0	90.00	110.00			mg/Kg	
J1880-01	SAMPLE-F			1	S	3/12/18						
Chloride		PASS	1.523		31.3						mg/Kg	
J1880-01D	SAMPLE-FD			1	S	3/12/18						
Chloride		PASS	1.519		31.10				0.6	20	mg/Kg	
J1880-01S	SAMPLE-FS			1	S	3/12/18						
Chloride		PASS	4.520		92.8	100.0	80	120			mg/Kg	
J1880-01SD	SAMPLE-FSD			1	S	3/12/18						
Chloride		PASS	4.538		93.0	100.0	80	120	0.2	15	mg/Kg	
CCV2	CCV2				W	3/12/18						
Chloride		PASS	2.805		2.80	93.0	90	110			mg/L	
CCB2	CCB2				W	3/12/18						
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	2/19/18						
Fluoride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	2/19/18						
Fluoride		PASS	0.153		0.153						mg/L	
STD3	STD3				W	2/19/18						
Fluoride		PASS	0.436		0.436						mg/L	
STD4	STD4				W	2/19/18						
Fluoride		PASS	0.817		0.817						mg/L	
STD5	STD5				W	2/19/18						
Fluoride		PASS	1.992		1.99						mg/L	
STD6	STD6				W	2/19/18						
Fluoride		PASS	4.193		4.19						mg/L	
STD7	STD7				W	2/19/18						
Fluoride		PASS	5.193		5.19						mg/L	
ICV1	ICV1				W	2/20/18						
Fluoride		PASS	2.127		2.13	107.0	90	110			mg/L	
ICB1	ICB1				W	2/20/18						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
CCV1	CCV1				W	3/12/18						
Fluoride		PASS	2.054		2.05	103.0	90	110			mg/L	
CCB1	CCB1				W	3/12/18						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB93825BLS	LB93825BLS				S	3/12/18						
Fluoride		PASS	0.000		0.000			+/-0.0170			mg/Kg	
LB93825BSS	LB93825BSS				S	3/12/18						
Fluoride		PASS	1.940		38.70	97.0	90.00	110.00			mg/Kg	
J1880-01	SAMPLE-F			1	S	3/12/18						
Fluoride		PASS	0.000		0.000						mg/Kg	
J1880-01D	SAMPLE-FD			1	S	3/12/18						
Fluoride		PASS	0.000		0.00				0	20	mg/Kg	
J1880-01S	SAMPLE-FS			1	S	3/12/18						
Fluoride		PASS	2.194		45.1	110.0	80	120			mg/Kg	
J1880-01SD	SAMPLE-FSD			1	S	3/12/18						
Fluoride		PASS	2.119		43.4	106.0	80	120	3.8	15	mg/Kg	
CCV2	CCV2				W	3/12/18						
Fluoride		PASS	1.998		2.00	100.0	90	110			mg/L	
CCB2	CCB2				W	3/12/18						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	

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Lab Sample ID	Client ID		Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method			Line 1
Parameter					Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
Nitrate											
STD1	STD1				W	2/19/18					
Nitrate		PASS	0.000		0.000						mg/L
STD2	STD2				W	2/19/18					
Nitrate		PASS	0.193		0.193						mg/L
STD3	STD3				W	2/19/18					
Nitrate		PASS	0.517		0.517						mg/L
STD4	STD4				W	2/19/18					
Nitrate		PASS	0.986		0.986						mg/L
STD5	STD5				W	2/19/18					
Nitrate		PASS	2.422		2.42						mg/L
STD6	STD6				W	2/19/18					
Nitrate		PASS	4.994		4.99						mg/L
STD7	STD7				W	2/19/18					
Nitrate		PASS	6.198		6.20						mg/L
ICV1	ICV1				W	2/20/18					
Nitrate		PASS	2.438		2.44	98.0	90	110			mg/L
ICB1	ICB1				W	2/20/18					
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L
CCV1	CCV1				W	3/12/18					
Nitrate		PASS	2.326		2.33	93.0	90	110			mg/L
CCB1	CCB1				W	3/12/18					
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L
LB93825BLS	LB93825BLS				S	3/12/18					
Nitrate		PASS	0.000		0.000			+/-0.0110			mg/Kg
LB93825BSS	LB93825BSS				S	3/12/18					
Nitrate		PASS	2.271		45.30	91.0	90.00	110.00			mg/Kg
J1880-01	SAMPLE-F			1	S	3/12/18					
Nitrate		PASS	0.000		0.000						mg/Kg
J1880-01D	SAMPLE-FD			1	S	3/12/18					
Nitrate		PASS	0.000		0.00				0	20	mg/Kg
J1880-01S	SAMPLE-FS			1	S	3/12/18					
Nitrate		PASS	2.494		51.2	100.0	80	120			mg/Kg
J1880-01SD	SAMPLE-FSD			1	S	3/12/18					
Nitrate		PASS	2.493		51.1	100.0	80	120	0.2	15	mg/Kg
CCV2	CCV2				W	3/12/18					
Nitrate		PASS	2.335		2.34	94.0	90	110			mg/L
CCB2	CCB2				W	3/12/18					
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	2/19/18						
Nitrite		PASS	0.000		0.000						mg/L	
STD2	STD2				W	2/19/18						
Nitrite		PASS	0.232		0.232						mg/L	
STD3	STD3				W	2/19/18						
Nitrite		PASS	0.641		0.641						mg/L	
STD4	STD4				W	2/19/18						
Nitrite		PASS	1.169		1.17						mg/L	
STD5	STD5				W	2/19/18						
Nitrite		PASS	2.913		2.91						mg/L	
STD6	STD6				W	2/19/18						
Nitrite		PASS	5.975		5.98						mg/L	
STD7	STD7				W	2/19/18						
Nitrite		PASS	7.372		7.37						mg/L	
ICV1	ICV1				W	2/20/18						
Nitrite		PASS	2.957		2.96	99.0	90	110			mg/L	
ICB1	ICB1				W	2/20/18						
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L	
CCV1	CCV1				W	3/12/18						
Nitrite		PASS	2.822		2.82	94.0	90	110			mg/L	
CCB1	CCB1				W	3/12/18						
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L	
LB93825BLS	LB93825BLS				S	3/12/18						
Nitrite		PASS	0.000		0.000			+/-0.0100			mg/Kg	
LB93825BSS	LB93825BSS				S	3/12/18						
Nitrite		PASS	2.774		55.40	92.0	90.00	110.00			mg/Kg	
J1880-01	SAMPLE-F			1	S	3/12/18						
Nitrite		PASS	0.000		0.000						mg/Kg	
J1880-01D	SAMPLE-FD			1	S	3/12/18						
Nitrite		PASS	0.000		0.00				0	20	mg/Kg	
J1880-01S	SAMPLE-FS			1	S	3/12/18						
Nitrite		PASS	2.980		61.2	99.0	80	120			mg/Kg	
J1880-01SD	SAMPLE-FSD			1	S	3/12/18						
Nitrite		PASS	2.978		61.0	99.0	80	120	0.3	15	mg/Kg	
CCV2	CCV2				W	3/12/18						
Nitrite		PASS	2.849		2.85	95.0	90	110			mg/L	
CCB2	CCB2				W	3/12/18						
Nitrite		PASS	0.000		0.000			+/-0.0220			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
Ortho Phosphate												
STD1	STD1				W	2/19/18						
Ortho Phosphate		PASS		0.000	0.000						mg/L	
STD2	STD2				W	2/19/18						
Ortho Phosphate		PASS		0.007	0.007						mg/L	
STD3	STD3				W	2/19/18						
Ortho Phosphate		PASS		0.780	0.780						mg/L	
STD4	STD4				W	2/19/18						
Ortho Phosphate		PASS		2.062	2.06						mg/L	
STD5	STD5				W	2/19/18						
Ortho Phosphate		PASS		5.538	5.54						mg/L	
STD6	STD6				W	2/19/18						
Ortho Phosphate		PASS		10.513	10.5						mg/L	
STD7	STD7				W	2/19/18						
Ortho Phosphate		PASS		12.881	12.9						mg/L	
ICV1	ICV1				W	2/20/18						
Ortho Phosphate		PASS		4.970	4.97	99.0	90	110			mg/L	
ICB1	ICB1				W	2/20/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100			mg/L	
CCV1	CCV1				W	3/12/18						
Ortho Phosphate		PASS		4.949	4.95	99.0	90	110			mg/L	
CCB1	CCB1				W	3/12/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100			mg/L	
LB93825BLS	LB93825BLS				S	3/12/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0020			mg/Kg	
LB93825BSS	LB93825BSS				S	3/12/18						
Ortho Phosphate		PASS		5.041	101.00	101.0	90.00	110.00			mg/Kg	
J1880-01	SAMPLE-F			1	S	3/12/18						
Ortho Phosphate		PASS		0.000	0.000						mg/Kg	
J1880-01D	SAMPLE-FD			1	S	3/12/18						
Ortho Phosphate		PASS		0.000	0.00				0	20	mg/Kg	
J1880-01S	SAMPLE-FS			1	S	3/12/18						
Ortho Phosphate		FAIL		6.170	127.0	123.0	80	120			mg/Kg	
J1880-01SD	SAMPLE-FSD			1	S	3/12/18						
Ortho Phosphate		FAIL		6.265	128.0	125.0	80	120	0.8	15	mg/Kg	
CCV2	CCV2				W	3/12/18						
Ortho Phosphate		PASS		5.393	5.39	108.0	90	110			mg/L	
CCB2	CCB2				W	3/12/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100			mg/L	

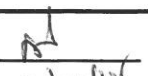
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Approved By : 

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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
Sulfate												
STD1	STD1				W	2/19/18						
Sulfate		PASS	0.000		0.000						mg/L	
STD2	STD2				W	2/19/18						
Sulfate		PASS	1.304		1.30						mg/L	
STD3	STD3				W	2/19/18						
Sulfate		PASS	3.209		3.21						mg/L	
STD4	STD4				W	2/19/18						
Sulfate		PASS	5.836		5.84						mg/L	
STD5	STD5				W	2/19/18						
Sulfate		PASS	14.080		14.1						mg/L	
STD6	STD6				W	2/19/18						
Sulfate		PASS	29.615		29.6						mg/L	
STD7	STD7				W	2/19/18						
Sulfate		PASS	37.394		37.4						mg/L	
ICV1	ICV1				W	2/20/18						
Sulfate		PASS	15.376		15.40	103.0	90	110			mg/L	
ICB1	ICB1				W	2/20/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
CCV1	CCV1				W	3/12/18						
Sulfate		PASS	13.662		13.70	91.0	90	110			mg/L	
CCB1	CCB1				W	3/12/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
LB93825BLS	LB93825BLS				S	3/12/18						
Sulfate		PASS	0.000		0.000			+/-0.0960			mg/Kg	
LB93825BSS	LB93825BSS				S	3/12/18						
Sulfate		PASS	14.191		283.00	94.0	90.00	110.00			mg/Kg	
J1880-01	SAMPLE-F		1		S	3/12/18						
Sulfate		PASS	10.460		215						mg/Kg	
J1880-01D	SAMPLE-FD		1		S	3/12/18						
Sulfate		PASS	10.612		217.00				0.9	20	mg/Kg	
J1880-01S	SAMPLE-FS		1		S	3/12/18						
Sulfate		PASS	25.078		515.0	97.0	80	120			mg/Kg	
J1880-01SD	SAMPLE-FSD		1		S	3/12/18						
Sulfate		PASS	24.660		505.0	94.0	80	120	2.0	15	mg/Kg	
CCV2	CCV2				W	3/12/18						
Sulfate		PASS	14.192		14.20	95.0	90	110			mg/L	
CCB2	CCB2				W	3/12/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	