

Chemtech Consulting Group

Analytical Review Report

Date Printed : 3/29/18
 Analyst : AK
 Data File : LB94221.csv

Approved By : [Signature]
 Approved Date : 3/29/18
 Worksheet # : 1

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	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	3/14/18						
Bromide		PASS		9.687	9.69	97.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Bromide		PASS		0.000	0.000			+/-0.0660		mg/L	
LB94221BLS	LB94221BLS			S	3/14/18						
Bromide		PASS		0.000	0.000			+/-0.1900		mg/Kg	
LB94221BSS	LB94221BSS			S	3/14/18						
Bromide		PASS		9.322	186.00	93.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Bromide		PASS		0.659	13.2					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Bromide		PASS		1.310	26.10	131.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Bromide		PASS		0.671	13.4					mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Bromide		PASS		0.870	17.4					mg/Kg	
CCV2	CCV2			W	3/14/18						
Bromide		PASS		9.982	9.98	100.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Bromide		PASS		0.000	0.000			+/-0.0660		mg/L	

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Chloride	STD1	PASS	0.000		W	2/19/18					mg/L	
Chloride	STD2	PASS	0.216		W	2/19/18					mg/L	
Chloride	STD3	PASS	0.624		W	2/19/18					mg/L	
Chloride	STD4	PASS	1.201		W	2/19/18					mg/L	
Chloride	STD5	PASS	2.875		W	2/19/18					mg/L	
Chloride	STD6	PASS	5.979		W	2/19/18					mg/L	
Chloride	STD7	PASS	7.390		W	2/19/18					mg/L	
Chloride	ICV1	PASS	2.925		W	2/20/18	90	110			mg/L	
Chloride	ICB1	PASS	0.000		W	2/20/18		+/-0.0750			mg/L	
Chloride	CCV1	PASS	3.006		W	3/14/18	90	110			mg/L	
Chloride	CCB1	PASS	0.000		W	3/14/18		+/-0.0750			mg/L	
Chloride	LB94221BLS	PASS	0.000		S	3/14/18		+/-0.0320			mg/Kg	
Chloride	LB94221BSS	PASS	2.783		S	3/14/18	90.00	110.00			mg/Kg	
Chloride	LOD-MDL-SOIL-01-QT1-2018	PASS	0.157	1	S	3/14/18					mg/Kg	
Chloride	LOQ-SOIL-02-QT1-2018	PASS	0.365		S	3/14/18	50.00	150.00			mg/Kg	
Chloride	MDL-SOIL-03-QT1-2018	PASS	0.161	1	S	3/14/18					mg/Kg	
Chloride	MDL-SOIL-03-QT1-2018	PASS	0.162	1	S	3/14/18					mg/Kg	
Chloride	CCV2	PASS	2.951		W	3/14/18	90	110			mg/L	
Chloride	CCB2	PASS	0.000		W	3/14/18		+/-0.0750			mg/L	

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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	3/14/18						
Fluoride		PASS	2.130		2.13	107.0	90	110			mg/L	
CCB1	CCB1				W	3/14/18						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB94221BLS	LB94221BLS				S	3/14/18						
Fluoride		PASS	0.000		0.000			+/-0.0170			mg/Kg	
LB94221BSS	LB94221BSS				S	3/14/18						
Fluoride		PASS	1.948		39.00	98.0	90.00	110.00			mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018			1	S	3/14/18						
Fluoride		PASS	0.141		2.82						mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018				S	3/14/18						
Fluoride		PASS	0.232		4.63	116.0	50.00	150.00			mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018			1	S	3/14/18						
Fluoride		PASS	0.117		2.34						mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018			1	S	3/14/18						
Fluoride		PASS	0.122		2.44						mg/Kg	
CCV2	CCV2				W	3/14/18						
Fluoride		PASS	1.982		1.98	99.0	90	110			mg/L	
CCB2	CCB2				W	3/14/18						
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	Line 2
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	3/14/18			
Nitrate		PASS	2.391	2.39	96.0	90	110	mg/L
CCB1	CCB1			W	3/14/18			
Nitrate		PASS	0.000	0.000			+/-0.0270	mg/L
LB94221BLS	LB94221BLS			S	3/14/18			
Nitrate		PASS	0.000	0.000			+/-0.0110	mg/Kg
LB94221BSS	LB94221BSS			S	3/14/18			
Nitrate		PASS	2.377	47.50	95.0	90.00	110.00	mg/Kg
J1161-01	LOD-MDL-SOIL-01-QT1-2018	1		S	3/14/18			
Nitrate		PASS	0.172	3.44				mg/Kg
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18			
Nitrate		PASS	0.344	6.87	137.0	50.00	150.00	mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1		S	3/14/18			
Nitrate		PASS	0.167	3.34				mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1		S	3/14/18			
Nitrate		PASS	0.168	3.36				mg/Kg
CCV2	CCV2			W	3/14/18			
Nitrate		PASS	2.488	2.49	100.0	90	110	mg/L
CCB2	CCB2			W	3/14/18			
Nitrate		PASS	0.000	0.000			+/-0.0270	mg/L

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Worksheet # : 14

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
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	3/14/18					
Nitrite		PASS	3.028		3.03	101.0	90	110			mg/L
CCB1	CCB1				W	3/14/18					
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L
LB94221BLS	LB94221BLS				S	3/14/18					
Nitrite		PASS	0.000		0.000			+/-0.0100			mg/Kg
LB94221BSS	LB94221BSS				S	3/14/18					
Nitrite		PASS	2.854		57.10	95.0	90.00	110.00			mg/Kg
J1161-01	LOD-MDL-SOIL-01-QT1-2018	1			S	3/14/18					
Nitrite		PASS	0.198		3.96						mg/Kg
J1161-02	LOQ-SOIL-02-QT1-2018				S	3/14/18					
Nitrite		PASS	0.400		7.98	133.0	50.00	150.00			mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1			S	3/14/18					
Nitrite		PASS	0.196		3.92						mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1			S	3/14/18					
Nitrite		PASS	0.198		3.96						mg/Kg
CCV2	CCV2				W	3/14/18					
Nitrite		PASS	3.016		3.02	101.0	90	110			mg/L
CCB2	CCB2				W	3/14/18					
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
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	3/14/18					
Sulfate		PASS		14.107	14.10	94.0	90	110		mg/L
CCB1	CCB1			W	3/14/18					
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L
LB94221BLS	LB94221BLS			S	3/14/18					
Sulfate		PASS		0.000	0.000			+/-0.0960		mg/Kg
LB94221BSS	LB94221BSS			S	3/14/18					
Sulfate		PASS		14.848	297.00	99.0	90.00	110.00		mg/Kg
J1161-01	LOD-MDL-SOIL-01-QT1-2018	1		S	3/14/18					
Sulfate		PASS		1.093	21.9					mg/Kg
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18					
Sulfate		PASS		2.197	43.90	146.0	50.00	150.00		mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1		S	3/14/18					
Sulfate		PASS		1.088	21.8					mg/Kg
J1161-03	MDL-SOIL-03-QT1-2018	1		S	3/14/18					
Sulfate		PASS		1.080	21.6					mg/Kg
CCV2	CCV2			W	3/14/18					
Sulfate		PASS		14.525	14.50	97.0	90	110		mg/L
CCB2	CCB2			W	3/14/18					
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L