

Chemtech Consulting Group

Analytical Review Report

Date Printed : 4/10/18

Approved By : _____

Analyst : AK

Approved Date : _____

Data File : LB94448.csv

Worksheet # : _____

Lab Sample ID	Client ID	Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method				Line 1
Parameter					%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Bromide											
STD1	STD1			W	3/12/18						
Bromide		PASS	0.000	0.000						mg/L	
STD2	STD2			W	3/12/18						
Bromide		PASS	0.555	0.555						mg/L	
STD3	STD3			W	3/12/18						
Bromide		PASS	1.966	1.97						mg/L	
STD4	STD4			W	3/12/18						
Bromide		PASS	3.781	3.78						mg/L	
STD5	STD5			W	3/12/18						
Bromide		PASS	10.233	10.2						mg/L	
STD6	STD6			W	3/12/18						
Bromide		PASS	20.141	20.1						mg/L	
STD7	STD7			W	3/12/18						
Bromide		PASS	24.825	24.8						mg/L	
ICV1	ICV1			W	3/12/18						
Bromide		PASS	9.580	9.58	96.0	90	110			mg/L	
ICB1	ICB1			W	3/12/18						
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L	
CCV1	CCV1			W	3/14/18						
Bromide		PASS	9.864	9.86	99.0	90	110			mg/L	
CCB1	CCB1			W	3/14/18						
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Bromide		PASS	0.000	0.000			+/-0.1900			mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Bromide		PASS	10.206	204.00	102.0	90.00	110.00			mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Bromide		PASS	0.434	8.66						mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Bromide		PASS	1.111	22.20	111.0	50.00	150.00			mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Bromide		PASS	0.330	6.59						mg/Kg	
CCV2	CCV2			W	3/14/18						
Bromide		PASS	10.547	10.50	105.0	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					%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Chloride											
STD1	STD1			W	3/12/18						
Chloride		PASS	0.000	0.000						mg/L	
STD2	STD2			W	3/12/18						
Chloride		PASS	0.170	0.170						mg/L	
STD3	STD3			W	3/12/18						
Chloride		PASS	0.593	0.593						mg/L	
STD4	STD4			W	3/12/18						
Chloride		PASS	1.134	1.13						mg/L	
STD5	STD5			W	3/12/18						
Chloride		PASS	3.059	3.06						mg/L	
STD6	STD6			W	3/12/18						
Chloride		PASS	6.044	6.04						mg/L	
STD7	STD7			W	3/12/18						
Chloride		PASS	7.450	7.45						mg/L	
ICV1	ICV1			W	3/12/18						
Chloride		PASS	2.862	2.86	95.0	90	110			mg/L	
ICB1	ICB1			W	3/12/18						
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L	
CCV1	CCV1			W	3/14/18						
Chloride		PASS	2.948	2.95	98.0	90	110			mg/L	
CCB1	CCB1			W	3/14/18						
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Chloride		PASS	0.000	0.000			+/-0.0320			mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Chloride		PASS	3.032	60.60	101.0	90.00	110.00			mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Chloride		PASS	0.134	2.67						mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Chloride		PASS	0.335	6.70	112.0	50.00	150.00			mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Chloride		PASS	0.100	2.00						mg/Kg	
CCV2	CCV2			W	3/14/18						
Chloride		PASS	3.156	3.16	105.0	90	110			mg/L	
CCB2	CCB2			W	3/14/18						
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L	

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Parameter				Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Fluoride											
STD1	STD1			W	3/12/18						
Fluoride		PASS		0.000	0.000					mg/L	
STD2	STD2			W	3/12/18						
Fluoride		PASS		0.099	0.099					mg/L	
STD3	STD3			W	3/12/18						
Fluoride		PASS		0.393	0.393					mg/L	
STD4	STD4			W	3/12/18						
Fluoride		PASS		0.785	0.785					mg/L	
STD5	STD5			W	3/12/18						
Fluoride		PASS		2.042	2.04					mg/L	
STD6	STD6			W	3/12/18						
Fluoride		PASS		3.982	3.98					mg/L	
STD7	STD7			W	3/12/18						
Fluoride		PASS		5.001	5.00					mg/L	
ICV1	ICV1			W	3/12/18						
Fluoride		PASS		1.942	1.94	97.0	90	110		mg/L	
ICB1	ICB1			W	3/12/18						
Fluoride		PASS		0.000	0.000			+/-0.0430		mg/L	
CCV1	CCV1			W	3/14/18						
Fluoride		PASS		1.917	1.92	96.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Fluoride		PASS		0.000	0.000			+/-0.0430		mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Fluoride		PASS		0.000	0.000			+/-0.0170		mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Fluoride		PASS		2.002	40.00	100.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Fluoride		PASS		0.084	1.68					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Fluoride		PASS		0.224	4.48	112.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Fluoride		PASS		0.062	1.24					mg/Kg	
CCV2	CCV2			W	3/14/18						
Fluoride		PASS		2.072	2.07	104.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Fluoride		PASS		0.000	0.000			+/-0.0430		mg/L	

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Parameter				Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Nitrate											
STD1	STD1			W	3/12/18						
Nitrate		PASS		0.000	0.000					mg/L	
STD2	STD2			W	3/12/18						
Nitrate		PASS		0.140	0.140					mg/L	
STD3	STD3			W	3/12/18						
Nitrate		PASS		0.494	0.494					mg/L	
STD4	STD4			W	3/12/18						
Nitrate		PASS		0.939	0.939					mg/L	
STD5	STD5			W	3/12/18						
Nitrate		PASS		2.557	2.56					mg/L	
STD6	STD6			W	3/12/18						
Nitrate		PASS		5.047	5.05					mg/L	
STD7	STD7			W	3/12/18						
Nitrate		PASS		6.198	6.20					mg/L	
ICV1	ICV1			W	3/12/18						
Nitrate		PASS		2.379	2.38	95.0	90	110		mg/L	
ICB1	ICB1			W	3/12/18						
Nitrate		PASS		0.000	0.000			+/-0.0270		mg/L	
CCV1	CCV1			W	3/14/18						
Nitrate		PASS		2.463	2.46	98.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Nitrate		PASS		0.000	0.000			+/-0.0270		mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Nitrate		PASS		0.000	0.000			+/-0.0110		mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Nitrate		PASS		2.558	51.20	102.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Nitrate		PASS		0.112	2.24					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Nitrate		PASS		0.290	5.80	116.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Nitrate		PASS		0.087	1.74					mg/Kg	
CCV2	CCV2			W	3/14/18						
Nitrate		PASS		2.629	2.63	105.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Nitrate		PASS		0.000	0.000			+/-0.0270		mg/L	

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Parameter				Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Nitrite											
STD1	STD1			W	3/12/18						
Nitrite		PASS		0.000	0.000					mg/L	
STD2	STD2			W	3/12/18						
Nitrite		PASS		0.192	0.192					mg/L	
STD3	STD3			W	3/12/18						
Nitrite		PASS		0.603	0.603					mg/L	
STD4	STD4			W	3/12/18						
Nitrite		PASS		1.126	1.13					mg/L	
STD5	STD5			W	3/12/18						
Nitrite		PASS		3.018	3.02					mg/L	
STD6	STD6			W	3/12/18						
Nitrite		PASS		6.043	6.04					mg/L	
STD7	STD7			W	3/12/18						
Nitrite		PASS		7.468	7.47					mg/L	
ICV1	ICV1			W	3/12/18						
Nitrite		PASS		2.836	2.84	95.0	90	110		mg/L	
ICB1	ICB1			W	3/12/18						
Nitrite		PASS		0.000	0.000			+/-0.0220		mg/L	
CCV1	CCV1			W	3/14/18						
Nitrite		PASS		2.917	2.92	97.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Nitrite		PASS		0.000	0.000			+/-0.0220		mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Nitrite		PASS		0.000	0.000			+/-0.0100		mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Nitrite		PASS		3.028	60.60	101.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Nitrite		PASS		0.152	3.03					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Nitrite		PASS		0.346	6.92	115.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Nitrite		PASS		0.130	2.59					mg/Kg	
CCV2	CCV2			W	3/14/18						
Nitrite		PASS		3.106	3.11	104.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Nitrite		PASS		0.000	0.000			+/-0.0220		mg/L	

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Parameter				Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Ortho Phosphate											
STD1	STD1			W	3/12/18						
Ortho Phosphate		PASS		0.000	0.000					mg/L	
STD2	STD2			W	3/12/18						
Ortho Phosphate		PASS		0.080	0.080					mg/L	
STD3	STD3			W	3/12/18						
Ortho Phosphate		PASS		1.131	1.13					mg/L	
STD4	STD4			W	3/12/18						
Ortho Phosphate		PASS		1.991	1.99					mg/L	
STD5	STD5			W	3/12/18						
Ortho Phosphate		PASS		5.261	5.26					mg/L	
STD6	STD6			W	3/12/18						
Ortho Phosphate		PASS		9.605	9.60					mg/L	
STD7	STD7			W	3/12/18						
Ortho Phosphate		PASS		12.682	12.7					mg/L	
ICV1	ICV1			W	3/12/18						
Ortho Phosphate		PASS		4.697	4.70	94.0	90	110		mg/L	
ICB1	ICB1			W	3/12/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100		mg/L	
CCV1	CCV1			W	3/14/18						
Ortho Phosphate		FAIL		4.371	4.37	87.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100		mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0020		mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Ortho Phosphate		PASS		4.754	95.10	95.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Ortho Phosphate		PASS		0.017	0.339					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Ortho Phosphate		PASS		0.490	9.80	98.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Ortho Phosphate		PASS		-0.125	-2.50					mg/Kg	
CCV2	CCV2			W	3/14/18						
Ortho Phosphate		PASS		4.998	5.00	100.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Ortho Phosphate		PASS		0.000	0.000			+/-0.0100		mg/L	

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Parameter				Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Sulfate											
STD1	STD1			W	3/12/18						
Sulfate		PASS		0.000	0.000					mg/L	
STD2	STD2			W	3/12/18						
Sulfate		PASS		0.915	0.915					mg/L	
STD3	STD3			W	3/12/18						
Sulfate		PASS		3.009	3.01					mg/L	
STD4	STD4			W	3/12/18						
Sulfate		PASS		5.642	5.64					mg/L	
STD5	STD5			W	3/12/18						
Sulfate		PASS		15.160	15.2					mg/L	
STD6	STD6			W	3/12/18						
Sulfate		PASS		30.206	30.2					mg/L	
STD7	STD7			W	3/12/18						
Sulfate		PASS		37.318	37.3					mg/L	
ICV1	ICV1			W	3/12/18						
Sulfate		PASS		14.248	14.20	95.0	90	110		mg/L	
ICB1	ICB1			W	3/12/18						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	
CCV1	CCV1			W	3/14/18						
Sulfate		PASS		14.403	14.40	96.0	90	110		mg/L	
CCB1	CCB1			W	3/14/18						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	
LB94448BLS	LB94448BLS			S	3/14/18						
Sulfate		PASS		0.000	0.000			+/-0.0960		mg/Kg	
LB94448BSS	LB94448BSS			S	3/14/18						
Sulfate		PASS		15.725	314.00	105.0	90.00	110.00		mg/Kg	
J1161-01	LOD-MDL-SOIL-01-QT1-2018		1	S	3/14/18						
Sulfate		PASS		0.726	14.5					mg/Kg	
J1161-02	LOQ-SOIL-02-QT1-2018			S	3/14/18						
Sulfate		PASS		1.856	37.10	124.0	50.00	150.00		mg/Kg	
J1161-03	MDL-SOIL-03-QT1-2018		1	S	3/14/18						
Sulfate		PASS		0.556	11.1					mg/Kg	
CCV2	CCV2			W	3/14/18						
Sulfate		PASS		15.251	15.30	102.0	90	110		mg/L	
CCB2	CCB2			W	3/14/18						
Sulfate		PASS		0.000	0.000			+/-0.1320		mg/L	