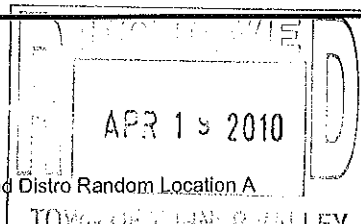




Analytical Report

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
TOL 0X0	P.O.:	
Attn: Trina Comartin	Accl code:	
Sampled By:		
Company: Pure Elements		

Reference Number 728683-1
 Sample Date March 01, 2010
 Sample Time NA
 Sample Location
 Sample Description Turner Valley WTP Treated Distro Random Location A
 Sample Matrix Water



Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Inorganic Nonmetallic Parameters					
Ammonium - N	mg/L	<0.05	0.05		
Sulfide	Total mg/L	<0.005	0.005	0.05	Below AO
Organic Carbon	Total Nonpurgeable mg/L	1.8	0.5		
Chloramine	mg/L	0.2	0.1	3	Below MAC
Cyanide	Dissolved mg/L	<0.001	0.001	0.2	Below MAC
Metals Total					
Iron	Total mg/L	<0.05	0.05	0.3	Below AO
Manganese	Total mg/L	<0.005	0.005	0.05	Below AO
Silicon	Total mg/L	1.72	0.05		
Sulfur	Total mg/L	31.2	0.3		
Mercury	Total mg/L	<0.0001	0.0001	0.001	Below MAC
Aluminum	Total mg/L	0.014	0.005	0.1	Below OG
Antimony	Total mg/L	<0.0002	0.0002	0.006	Below MAC
Arsenic	Total mg/L	<0.0002	0.0002	0.01	Below MAC
Barium	Total mg/L	0.074	0.001	1.0	Below MAC
Beryllium	Total mg/L	<0.0001	0.0001		
Bismuth	Total mg/L	<0.0005	0.0005		
Boron	Total mg/L	0.024	0.002	5.0	Below MAC
Cadmium	Total mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Total mg/L	<0.0005	0.0005	0.05	Below MAC
Cobalt	Total mg/L	<0.0001	0.0001		
Copper	Total mg/L	0.005	0.001	1.0	Below AO
Lead	Total mg/L	<0.0001	0.0001	0.01	Below MAC
Lithium	Total mg/L	0.010	0.001		
Molybdenum	Total mg/L	<0.001	0.001		
Nickel	Total mg/L	<0.0005	0.0005		
Selenium	Total mg/L	0.0005	0.0002	0.01	Below MAC
Silver	Total mg/L	0.00004	0.00001		
Strontium	Total mg/L	0.375	0.001		
Thallium	Total mg/L	<0.00005	0.00005		
Tin	Total mg/L	<0.001	0.001		
Titanium	Total mg/L	0.0026	0.0005		
Uranium	Total mg/L	0.0008	0.0005	0.02	Below MAC
Vanadium	Total mg/L	<0.0001	0.0001		
Zinc	Total mg/L	0.009	0.001	5.0	Below AO

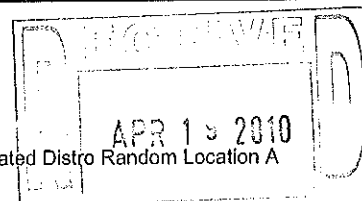


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Analytical Report

Bill To: Pure Elements Environmental Project: Lot ID: **728683**
 Report To: Pure Elements Environmental ID: TV-Q1-CHEM-HERB&PEST- Control Number:
 Box 77 Name: Turner Valley WTP Date Received: Mar 1, 2010
 RR1 Site 1 Location: Varies Date Reported: Mar 18, 2010
 DeWinton, AB, Canada LSD: Report Number: 1300614
 T0L 0X0 P.O.:
 Attn: Trina Comartin Acct code:
 Sampled By:
 Company: Pure Elements

Reference Number 728683-1
 Sample Date March 01, 2010
 Sample Time NA
 Sample Location
 Sample Description Turner Valley WTP Treated Distro Random Location A
 Sample Matrix Water



Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Physical and Aggregate Properties					
Colour	Apparent, Potable	Colour units	5	15	Below AO
Turbidity		NTU	0.4	0.1	Above OG
Routine Water					
pH			7.76	6.5 - 8.5	Within AO
Temperature of observed pH		°C	21.0		
Electrical Conductivity		µS/cm at 25 C	563	1	
Calcium	Dissolved	mg/L	87.9	0.2	
Magnesium	Dissolved	mg/L	21.0	0.2	
Sodium	Dissolved	mg/L	11.8	0.4	200 Below AO
Potassium	Dissolved	mg/L	1.3	0.4	
Iron	Dissolved	mg/L	<0.01	0.01	0.3 Below AO
Manganese	Dissolved	mg/L	<0.005	0.005	0.05 Below AO
Chloride	Dissolved	mg/L	8.9	0.4	250 Below AO
Fluoride		mg/L	0.20	0.05	1.5 Below MAC
Nitrate - N		mg/L	0.18	0.01	10 Below MAC
Nitrite - N		mg/L	<0.005	0.005	1 Below MAC
Nitrate and Nitrite - N		mg/L	0.18	0.01	10 Below MAC
Sulfate (SO4)	Dissolved	mg/L	92.6	0.9	500 Below AO
Hydroxide		mg/L	<5	5	
Carbonate		mg/L	<6	6	
Bicarbonate		mg/L	270	5	
P-Alkalinity	as CaCO3	mg/L	<5	5	
T-Alkalinity	as CaCO3	mg/L	222	5	
Total Dissolved Solids	Calculated	mg/L	357	1	500 Below AO
Hardness	Dissolved as CaCO3	mg/L	306		
Ionic Balance	Dissolved	%	101		
Glyphosate in Water					
Glyphosate		mg/L	<0.01	0.01	0.28 Below MAC
Subcontracted Analysis					
Subcontractor Report Id	Hydroqual		Report 10-0269		
Subcontractor Report Id	Maxxam		Report B011249		
Health Canada Drinking Water - Organics					
Benzene		mg/L	<0.001	0.001	
Benzo(a)pyrene		mg/L	<0.000008	0.000008	
Bromodichloromethane		mg/L	0.002	0.001	



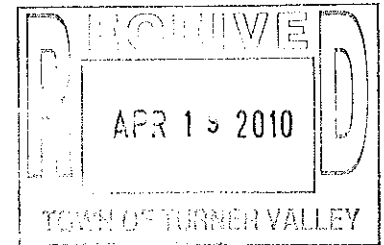
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Analytical Report

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
T0L 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		

Reference Number	728683-1
Sample Date	March 01, 2010
Sample Time	NA
Sample Location	
Sample Description	Turner Valley WTP Treated Distro Random Location A
Sample Matrix	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Health Canada Drinking Water - Organics - Continued					
Bromoform	mg/L	<0.001	0.001		
Carbon Tetrachloride	mg/L	<0.001	0.001		
Chlorobenzene	mg/L	<0.001	0.001		
Chloroform	mg/L	0.008	0.001		
Dibromochloromethane	mg/L	<0.001	0.001		
1,2-Dichlorobenzene	mg/L	0.001	0.001		
1,4-Dichlorobenzene	mg/L	<0.001	0.001		
1,2-Dichloroethane	mg/L	<0.001	0.001		
1,1-Dichloroethene	mg/L	<0.001	0.001		
2,4 & 2,5-Dichlorophenol	mg/L	<0.0001	0.0001		
Ethylbenzene	mg/L	<0.001	0.001		
Methyl t-Butyl Ether	mg/L	<0.001	0.001		
Methylene Chloride	mg/L	<0.005	0.005		
Pentachlorophenol	mg/L	<0.0001	0.0001		
Tetrachloroethene	mg/L	<0.001	0.001		
2,3,4,6-Tetrachlorophenol	mg/L	<0.0001	0.0001		
Toluene	mg/L	<0.001	0.001		
Total Trihalomethanes	mg/L	0.01	0.001		
Total Xylenes (m,p,o)	mg/L	<0.001	0.001		
Trichloroethene	mg/L	<0.001	0.001		
2,4,6-Trichlorophenol	mg/L	<0.0001	0.0001		
Vinyl Chloride	mg/L	<0.002	0.002		
Health Canada Drinking Water - Pesticides					
Aldicarb	mg/L	<0.00002	0.00002		
Aldrin and Dieldrin	mg/L	<0.0001	0.0001		
Atrazine	mg/L	<0.0001	0.0001		
Deethylatrazine	mg/L	<0.0001	0.0001		
Deisopropylatrazine	mg/L	<0.0001	0.0001		
Didealkylatrazine	mg/L	<0.0001	0.0001		
Azinphos-methyl	mg/L	<0.0005	0.0005		
Bendiocarb	mg/L	<0.00002	0.00002		
Bromoxynil	mg/L	<0.0001	0.0001		
Carbaryl	mg/L	<0.00002	0.00002		
Carbofuran	mg/L	<0.00002	0.00002		
Chlorpyrifos	mg/L	<0.0005	0.0005		
Cyanazine	mg/L	<0.0001	0.0001		



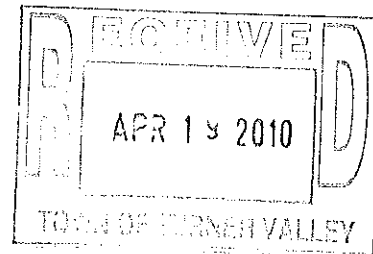


Analytical Report

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
T0L 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		

Reference Number	728683-1
Sample Date	March 01, 2010
Sample Time	NA
Sample Location	
Sample Description	Turner Valley WTP Treated Distro Random Location A
Sample Matrix	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Health Canada Drinking Water - Pesticides - Continued					
2,4-D	mg/L	<0.0001	0.0001		
Diazinon	mg/L	<0.0005	0.0005		
Dicamba	mg/L	<0.0001	0.0001		
Diclofop-methyl	mg/L	<0.0005	0.0005		
Dimethoate	mg/L	<0.0005	0.0005		
Dinoseb	mg/L	<0.0001	0.0001		
Diuron	mg/L	<0.0001	0.0001		
Malathion	mg/L	<0.0005	0.0005		
MCPA	mg/L	<0.0001	0.0001		
Methoxychlor	mg/L	0.0001	0.0001		
Metolachlor	mg/L	<0.0005	0.0005		
Metribuzin	mg/L	<0.0005	0.0005		
Parathion	mg/L	<0.0005	0.0005		
Phorate	mg/L	<0.0005	0.0005		
Picloram	mg/L	<0.0001	0.0001		
Simazine	mg/L	<0.0001	0.0001		
Terbufos	mg/L	<0.0005	0.0005		
Triallate	mg/L	<0.0005	0.0005		
Trifluralin	mg/L	<0.0005	0.0005		



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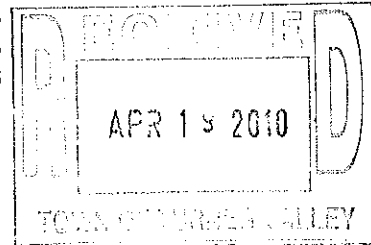


Analytical Report

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
T0L 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		

Reference Number	728683-2
Sample Date	February 27, 2010
Sample Time	NA
Sample Location	
Sample Description	Turner Valley WTP Treated Distro Random Location A
Sample Matrix	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Trihalomethanes Screen - Water					
Chloroform	mg/L	0.008	0.001	0.1	Below MAC
Bromodichloromethane	mg/L	0.002	0.001	0.1	Below MAC
Dibromochloromethane	mg/L	<0.001	0.001	0.1	Below MAC
Bromoform	mg/L	<0.001	0.001	0.1	Below MAC
Total Trihalomethanes	mg/L	0.010	0.001	0.1	Below MAC
Trihalomethanes - Surrogate Recovery					
Dibromofluoromethane	EPA Surrogate	%	103	86-118	
Toluene-d8	EPA Surrogate	%	98	85-115	
Bromofluorobenzene	EPA Surrogate	%	91	86-115	

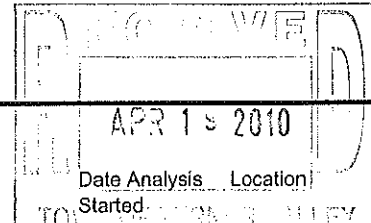


Approved by: *Randy Neumann*
 Randy Neumann, BSc
 General Manager

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Methodology and Notes

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
T0L 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		



Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alkalinity, pH, and EC in water	APHA	* Alkalinity - Titration Method, 2320 B	02-Mar-10	Exova Edmonton
Alkalinity, pH, and EC in water	APHA	* Conductivity, 2510	02-Mar-10	Exova Edmonton
Alkalinity, pH, and EC in water	APHA	* pH - Electrometric Method, 4500-H+ B	02-Mar-10	Exova Edmonton
Ammonium-N in Water	APHA	* Automated Phenate Method, 4500-NH3 G	03-Mar-10	Exova Edmonton
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	02-Mar-10	Exova Edmonton
Approval-Edmonton	APHA	Checking Correctness of Analyses, 1030 E	02-Mar-10	Exova Edmonton
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	02-Mar-10	Exova Edmonton
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl- E	02-Mar-10	Exova Edmonton
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	02-Mar-10	Exova Edmonton
Cyanide (Dissolved) in water	Alta. Env. Method	* Cyanide, Simple Extractable (Automated Pyridine-Barbituric Acid Colorimetric Method), 06608L	04-Mar-10	Exova Edmonton
HCGCMS Pesticides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081B	16-Mar-10	Exova Calgary
HCGCMS Pesticides - Water	US EPA	* OP Compounds by Gas Chromatography: Capillary Column Techniq, 8141A	16-Mar-10	Exova Calgary
HCLCMS Pesticides - Water	USGS	* Determination of Pesticides in Water by Graphitized Carbon-Based SPE & HPLC/MS, O-2060-1	16-Mar-10	Exova Calgary
HCVOC - Water	US EPA	* US EPA method, 8260B/5030B	16-Mar-10	Exova Calgary
HCVOC - Water	VT	Veratox 5/5 Quantitative DON test, Not Applicable	16-Mar-10	Exova Calgary
Mercury (Total) in water	US EPA	* Determination of Hg in Sediment by Cold Vapor Atomic Absorption Spec, 245.5	02-Mar-10	Exova Edmonton
Metals ICP-MS (Total) in water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	02-Mar-10	Exova Edmonton
Metals Trace (Dissolved) in water	APHA	Hardness by Calculation, 2340 B	02-Mar-10	Exova Edmonton
Metals Trace (Dissolved) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	02-Mar-10	Exova Edmonton
Metals Trace (Total) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	02-Mar-10	Exova Edmonton
PAH - Water	US EPA	* Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, 8270	03-Mar-10	Exova Calgary
PCP - Water	US EPA	* Semivolatile Organic Compounds by Gas Chromatography/Mass	02-Mar-10	Exova Calgary



Methodology and Notes

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
T0L 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		

Method Name	Reference	Method	Date Analysis Started	Location
PCP - Water	US EPA	Spectrometry, 8270		
Sublet to Hydroqual	Ext. Lab	See attached test report,	09-Mar-10	Hydroqual Laboratories
Sublet to Maxxam Labs	Ext. Lab	See attached test report,	11-Mar-10	Maxxam Analytical
Sulfide in water	APHA	* Gas Dialysis, Automated Methylene Blue Method, 4500-S2- E	03-Mar-10	Exova Edmonton
THM - Water	US EPA	* US EPA method, 8260B/5035	04-Mar-10	Exova Calgary
Turbidity in Water	APHA	* Turbidity - Nephelometric Method, 2130 B	02-Mar-10	Exova Edmonton

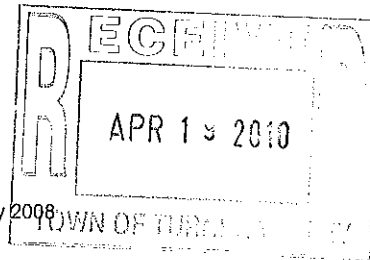
* Reference Method Modified

References

Alta. Env. Method	Alberta Environment Method
APHA	Standard Methods for the Examination of Water and Wastewater
US EPA	US Environmental Protection Agency Test Methods

Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, May 2008
Guideline Comments	MAC = Maximum Acceptable Concentration AO = Aesthetic Objective OG = Operational Guideline for Water Treatment Plants Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca



Comments:

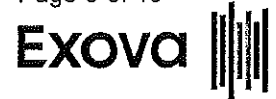
- NTA analysis was performed by a subcontract laboratory. See attached one page report 2010-1673.
- Some trace total metal results were less than dissolved metal results for sample 728683-1. The results were verified and are within expected measurement uncertainty.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

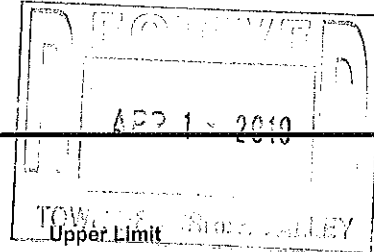
The test report shall not be reproduced except in full, without the written approval of the laboratory.



Quality Control

Bill To: Pure Elements Environmental Project:
 Report To: Pure Elements Environmental ID: TV-Q1-CHEM-HERB&PEST-
 Box 77 Name: Turner Valley WTP
 RR1 Site 1 Location: Varies
 DeWinton, AB, Canada LSD:
 T0L 0X0 P.O.:
 Attn: Trina Comartin Acct code:
 Sampled By:
 Company: Pure Elements

Lot ID: **728683**
 Control Number:
 Date Received: Mar 1, 2010
 Date Reported: Mar 18, 2010
 Report Number: 1300614



Inorganic Nonmetallic Parameters - Continued

Control Sample	Units	Measured	Lower Limit	Upper Limit	Passed QC
Organic Carbon	mg/L	2.9	2.4	3.8	yes
Date Acquired: March 02, 2010					

Metals Dissolved

Blanks	Units	Measured	Lower Limit	Upper Limit	Passed QC
Sulfur	mg/L	-0.0538915	-0.3	0.2	yes
Date Acquired: March 02, 2010					

Control Sample	Units	Measured	Lower Limit	Upper Limit	Passed QC
Sulfur	mg/L	49.1	45.5	51.5	yes
Date Acquired: March 02, 2010					
Sulfur	mg/L	1	0.9	1.1	yes
Date Acquired: March 02, 2010					

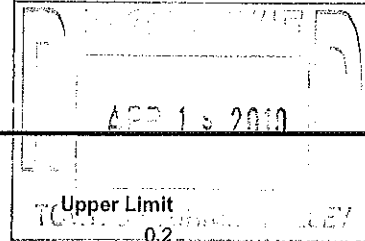
Metals Total

Blanks	Units	Measured	Lower Limit	Upper Limit	Passed QC
Calcium	mg/L	-0.0078	-0.0	0.0	yes
Iron	mg/L	-0.002	-0.01	0.02	yes
Magnesium	mg/L	0.0047	-0.0	0.0	yes
Manganese	mg/L	-0.0004	-0.001	0.002	yes
Potassium	mg/L	0.1034	-0.1	0.2	yes
Silicon	mg/L	-0.0018	-0.03	0.04	yes
Sodium	mg/L	0.0137	-0.1	0.2	yes
Sulfur	mg/L	-0.0563	-0.1	0.2	yes
Mercury	ug/L	0	-0.0380	0.0700	yes
Aluminum	ug/L	2.651	-1	5	yes
Antimony	ug/L	0.055	-0.2	0.2	yes
Arsenic	ug/L	0.047	-0.2	0.2	yes
Barium	ug/L	0.065	-1	1	yes
Beryllium	ug/L	-0.002	-0.1	0.1	yes
Bismuth	ug/L	0.01	-0.5	0.5	yes
Boron	ug/L	2.036	-1	3	yes
Cadmium	ug/L	-0.003	-0.01	0.01	yes
Chromium	ug/L	0.067	-0.7	0.3	yes
Cobalt	ug/L	0.002	-0.1	0.1	yes
Copper	ug/L	-0.124	-1	1	yes
Lead	ug/L	0.002	-0.1	0.1	yes
Lithium	ug/L	0.046	-1	1	yes
Molybdenum	ug/L	0.025	-1	1	yes
Nickel	ug/L	0.445	-0.5	0.5	yes



Quality Control

Bill To: Pure Elements Environmental	Project:	Lot ID: 728683
Report To: Pure Elements Environmental	ID: TV-Q1-CHEM-HERB&PEST-	Control Number:
Box 77	Name: Turner Valley WTP	Date Received: Mar 1, 2010
RR1 Site 1	Location: Varies	Date Reported: Mar 18, 2010
DeWinton, AB, Canada	LSD:	Report Number: 1300614
TOL 0X0	P.O.:	
Attn: Trina Comartin	Acct code:	
Sampled By:		
Company: Pure Elements		



Metals Total - Continued

Blanks	Units	Measured	Lower Limit	Upper Limit	Passed QC
Selenium	ug/L	-0.171	-0.2	0.2	yes
Silver	ug/L	0.053	-0.02	0.10	yes
Strontium	ug/L	0.057	-1	1	yes
Thallium	ug/L	0	-0.05	0.05	yes
Tin	ug/L	0.023	-1	1	yes
Titanium	ug/L	0.075	-0.5	0.5	yes
Uranium	ug/L	-0.005	-0.5	0.5	yes
Vanadium	ug/L	0.03255	-0.1	0.1	yes
Zinc	ug/L	0.995	-0	1	yes
Date Acquired: March 02, 2010					

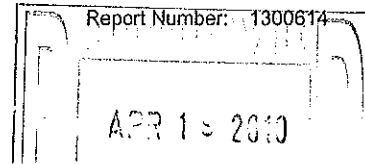
Replicates	Units	Replicate 1	Replicate 2	% RSD Criteria	Absolute Criteria	Passed QC
Mercury	mg/L	<0.0001	<0.0001	10	0.0003	yes
Uranium	ug/L	0.5	0.5	15	1.1	yes
Date Acquired: March 02, 2010						

Control Sample	Units	Measured	Lower Limit	Upper Limit	Passed QC
Calcium	mg/L	48.8	46.8	56.8	yes
Iron	mg/L	1.95	1.86	2.26	yes
Magnesium	mg/L	19.0	18.1	22.1	yes
Manganese	mg/L	0.491	0.465	0.565	yes
Potassium	mg/L	48.2	45.8	55.8	yes
Silicon	mg/L	1.92	1.81	2.21	yes
Sodium	mg/L	48.6	45.9	56.0	yes
Sulfur	mg/L	9.4	8.9	10.9	yes
Mercury	mg/L	0.0009	0.0007	0.0010	yes
Aluminum	ug/L	315	256	376	yes
Antimony	ug/L	10.6	8.6	14.6	yes
Arsenic	ug/L	10.9	8.6	14.0	yes
Barium	ug/L	58	46	76	yes
Beryllium	ug/L	5.1	4.7	6.8	yes
Bismuth	ug/L	29.8	22.6	37.6	yes
Boron	ug/L	116	86	152	yes
Cadmium	ug/L	0.51	0.47	0.78	yes
Chromium	ug/L	29.6	26.6	35.4	yes
Cobalt	ug/L	6.3	4.8	7.8	yes
Copper	ug/L	60	45	75	yes
Lead	ug/L	6.2	4.7	7.7	yes
Lithium	ug/L	62	44	80	yes
Molybdenum	ug/L	57	47	77	yes
Nickel	ug/L	29.3	22.6	37.6	yes
Selenium	ug/L	9.5	8.4	13.8	yes
Silver	ug/L	6.12	4.67	7.67	yes



Quality Control

Bill To: Pure Elements Environmental Project: Lot ID: **728683**
 Report To: Pure Elements Environmental ID: TV-Q1-CHEM-HERB&PEST- Control Number:
 Box 77 Name: Turner Valley WTP Date Received: Mar 1, 2010
 RR1 Site 1 Location: Varies Date Reported: Mar 18, 2010
 DeWinton, AB, Canada LSD: Report Number: 1300614
 T0L 0X0 P.O.:
 Attn: Trina Comartin Acct code:
 Sampled By:
 Company: Pure Elements



Metals Total - Continued

Control Sample	Units	Measured	Lower Limit	Upper Limit	Passed QC
Strontium	ug/L	61	53	70	yes
Thallium	ug/L	3.19	2.56	3.72	yes
Tin	ug/L	56	51	65	yes
Titanium	ug/L	29.1	23.6	38.6	yes
Uranium	ug/L	31.6	23.2	38.2	yes
Vanadium	ug/L	5.9	5.0	7.2	yes
Zinc	ug/L	55	49	69	yes
Date Acquired: March 02, 2010					
Mercury	mg/L	0.0030	0.0026	0.0032	yes
Date Acquired: March 02, 2010					
Mercury	mg/L	0.0008	0.0007	0.0009	yes
Aluminum	ug/L	975	900	1100	yes
Antimony	ug/L	37.5	36.0	44.0	yes
Arsenic	ug/L	39.6	36.0	44.0	yes
Barium	ug/L	193	180	220	yes
Beryllium	ug/L	18.9	18.0	22.0	yes
Bismuth	ug/L	91.3	90.0	110.0	yes
Boron	ug/L	381	360	440	yes
Cadmium	ug/L	2.17	1.80	2.20	yes
Chromium	ug/L	97.4	90.0	110.0	yes
Cobalt	ug/L	20.6	18.0	22.0	yes
Copper	ug/L	189	180	220	yes
Lead	ug/L	19.6	18.0	22.0	yes
Lithium	ug/L	195	180	220	yes
Molybdenum	ug/L	187	180	220	yes
Nickel	ug/L	97.2	90.0	110.0	yes
Selenium	ug/L	36.8	36.0	44.0	yes
Silver	ug/L	20.5	18.00	22.00	yes
Strontium	ug/L	194	180	220	yes
Thallium	ug/L	10.1	9.00	11.00	yes
Tin	ug/L	183	180	220	yes
Titanium	ug/L	96.0	90.0	110.0	yes
Uranium	ug/L	96.2	90.0	110.0	yes
Vanadium	ug/L	18.7	18.0	22.0	yes
Zinc	ug/L	192	180	220	yes
Date Acquired: March 02, 2010					
Aluminum	ug/L	53	45	55	yes
Antimony	ug/L	2.0	1.8	2.2	yes
Arsenic	ug/L	2.1	1.8	2.2	yes
Barium	ug/L	10	9	11	yes
Beryllium	ug/L	0.9	0.9	1.1	yes
Bismuth	ug/L	5.2	4.5	5.5	yes