

SAMPLE SUMMARY

Workorder: 1014366 1st Qtr 2013 TTHM

Discard Date: 03/20/2013

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1014366001	Maximum 001	Drinking Water	2/27/13 13:30	2/28/13 10:55	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1014366 1st Qtr 2013 TTHM

 Lab ID: **1014366001** Date Collected: 2/27/2013 13:30 Matrix: Drinking Water
 Sample ID: **Maximum 001** Date Received: 2/28/2013 10:55

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Bromodichloromethane	6.0		ug/L	0.50	EPA 524.2		3/5/13 19:05	DRS	A
Bromoform	0.75		ug/L	0.50	EPA 524.2		3/5/13 19:05	DRS	A
Chlorodibromomethane	4.2		ug/L	0.50	EPA 524.2		3/5/13 19:05	DRS	A
Chloroform	3.8		ug/L	0.50	EPA 524.2		3/5/13 19:05	DRS	A
Total Trihalomethanes	14.7		ug/L	0.50	EPA 524.2		3/5/13 19:05	DRS	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	74.1		%	70-130	EPA 524.2		3/5/13 19:05	DRS	A
4-Bromofluorobenzene (S)	74.7		%	70-130	EPA 524.2		3/5/13 19:05	DRS	A

Sample Comments:

 Anna G Milliken
 Technical Manager

ALS Environmental Laboratory Locations Across North America

 Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1012802 1st Qtr 2013 TTHM/HAA

 Lab ID: **1012802001**
 Sample ID: **Maximum 001**

 Date Collected: 2/13/2013 12:50
 Date Received: 2/19/2013 10:20

Matrix: Drinking Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
HALOACETIC ACID										
TOTAL HAA	16.0		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Bromochloroacetic NOT FOR PA	3.9		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Dibromoacetic	ND		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Dichloroacetic	8.5		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Monobromoacetic	ND		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Monochloroacetic	2.2		ug/L	2.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
Trichloroacetic	5.3		ug/L	1.0	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	80.8		%	70-130	EPA 552.2	2/21/13	JSH	2/26/13 03:22	JLH	C

Sample Comments:

Due to internal surrogate failure, the results for the TTHM sample cannot be used for compliance purposes. The client was contacted and will collect a new sample. KLV 02/26/13


 Anna G Milliken
 Technical Manager

ALS Environmental Laboratory Locations Across North America

 Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey