WORK ORDER Summary Evergreen Analytical, Inc. 07-2918

Rpt To: Margaret Ash
Colorado Oil & Gas Conservation Comm.
1120 Lincoln St #801
Denver, CO 80203
(303) 894-2100

Email To: margaret.ash@state.co.us
Email To: peter.gintautas@state.co.us

5/26/07 1:41:35 PM

Client Project ID: Molokai 1922

QC Level: Level I

Comments EmailPDF to both Peter Gintautas and Margaret Ash. Hardcopy report + EDD in COGCC format to Margaret.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
07-2918-01A	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	8260_W *	8260B: VOA HSL	☐	☐	5/24/07	5/23/07
07-2918-01A	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	VOATICS	VOA TICS (Largest 10)	☐	☐	5/24/07	5/23/07
07-2918-01B	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	8270_W *	8270C: BNA HSL	☐	☐	5/24/07	5/16/07
07-2918-01B	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	BNATICS	BNA TICS (Largest 20)	☐	☐	5/24/07	6/18/07
07-2918-01C	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	200.7_D *	200.7: Dissolved Metals	☐	☐	5/24/07	11/05/07
07-2918-01C	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	200.8_D *	200.8: Dissolved Metals	☐	☐	5/24/07	11/05/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	ALK_WGRP *	Alkalinity	☐	☐	5/24/07	5/23/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	ANIONS_W *	300.0: Anions by IC	☐	☐	5/24/07	5/11/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	C/A_BAL	Cation / Anion Balance calculation	☐	☐	5/24/07	
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	COND_W	Specific Conductance @ 25°C	☐	☐	5/24/07	6/06/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	F_W	Fluoride	☐	☐	5/24/07	6/06/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	PH_DW	E150.1 pH	☐	☐	5/24/07	5/10/07
07-2918-01D	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	TDS_W	Total Dissolved Solids (TDS)	☐	☐	5/24/07	5/16/07
07-2918-01E	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	TOC_W	5310B: Total Organic Carbon (TOC)	☐	☐	5/24/07	6/06/07
07-2918-01F	Ross Water Well	Groundwater	5/09/07 1205	5/10/07	MEEP_W *	RSK175M: Methane	☐	☐	5/24/07	5/16/07

Definitions: * - Test Code has a Select List

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Page 1 of 1

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

Report Results by: _____ (Date)*
Standard 2 working weeks ☒
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

CLIENT INFORMATION

Mail **Original** Report to: Peter Gintautas
Attn COGCC
Address 1120 Lincoln St Suite 801
City Denver State CO Zip 80203
Tel # 719-846-3091 Fax # 719-846-3354 E-mail peter.gintautas @state.co.us
REPORT ALSO BY ☐ FAX ☒ PDF ☐ EDD
REPORT CHROMATOGRAMS ☒ YES

Mail Invoice to: COGCC
Attn Margaret Ash
Address 1120 Lincoln St Suite 801
City Denver State CO Zip 80203
Tel # 303 894 2100 Fax #
Project ID# Molokai
P.O. _____ Quote _____
Sampler Gintautas

NOTE: *Identify Known Hazards Below*

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1) Drinking Water or 2) Discharge Water or 3) Ground Water (circle one)	Soil / Solid / Air / Gas	Oil / Sludge / Wipe	TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Chlorinated Pesticides 8081/608 (circle)	Organophosphorous Pesticides 8270	POBs/8082/608/screen (circle)	Herbicides 8151	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. / 8260 (circle)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES / SW846 (circle & list metals below)	Dissolved Metals (DW) SW846 (circle & list metals below)	Oil & Grease 413.1/1664 / 9071 (circle)	TRPH 418.1	Anions 3000 (circle below)	TC 4/5	dissolved methane	TDS	Alkalinity	pH	conductivity
Rucy Waterwell	9/19/2007	12:05	10					3	1									1			1	1	3				
Filter + preserve metals bottle at lab																											
200.7 metals = B, Ca, Fe, K, Na, Mg																											TOC pH < 2
200.8 metals = Ag, As, Ba, Cd, Cr, Cu, Mn, Pb, Se																											
please calculate ~~SAR~~ ME cation-cation balance																											
trgnt																											
Sample Fraction								A	B									C			D	E	F	D	D	D	D

For Laboratory Use Only
W.O.# 07-2918
B.O.F.# —
C/S (O) — / —
C/S (I) C+CE / UPS
Temp. °C 4.9 / Ice ____
Seals Present (Y) N / NA
Samples Pres (Y) N / NA
Headspace Y / N / NA
By MO / ____

Instructions:

** **Important Note:** See reverse side for Terms and Conditions.

Anions: Bromide, Chloride, Nitrate, Nitrite, O-Phosphate, Sulfate (Circle) AF

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time
Platt	9/19/07 17:30						5/10/7 1000 Am

Evergreen Analytical, Inc. **Date:** *26-May-07*

Lab Order: 07-2918
Client Project ID Molokai 1922

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.
The temperature of the sample(s) upon arrival was 4.9 °C.
Sample(s) were received in good condition, in the proper container, and within holding times.
Sample(s) were preserved properly ; VOC sample(s) were marked as preserved on the bottle labels.
VOC sample(s) were received with no headspace present. NJO

QUALITY ASSURANCE

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

CLIENT SERVICES

TICS (if any are detected) were added to the 8260 and 8270 and the client project ID was modified per the client's email instructions. EDD reporting per instructions were received from Margaret Ash 5/9/2007. There are no other anomalies to report. EKH/SG

GENERAL CHEMISTRY

There are no anomalies to report. MM

METALS ANALYSIS

The Boron RPD on the matrix spikes was above the QC limit, but the recoveries were within limits. There are no other anomalies to report. MB/CMS

GAS CHROMATOGRAPHY

Method MEEP_W: There are no anomalies to report. MS

GAS CHROMATOGRAPHY/MASS SPECTROMETRY

Method 8270_W: Benzoic Acid recovery on the LCS is below QC limits but it is within limits on the LCSD. This analyte was not detected in the sample.
No unidentified peaks were seen, so a TIC search was not done. There are no other anomalies to report. TMB/CMS

Evergreen Analytical, Inc.

Date: *26-May-07*

Lab Order: 07-2918
Client Project ID Molokai 1922

CASE NARRATIVE

Method 8260_W: There are no anomalies to report. DC
Only one non-HSL peak was detected, and it was a laboratory / column contaminant, so a TIC report was not generated or invoiced. CMS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	Ross Water Well	**Lab Work Order**	07-2918
Client Project ID:	Molokai 1922	**Lab Sample ID:**	07-2918-01A
Date Collected:	5/9/07	**Sample Matrix:**	Groundwater
Date Received:	5/10/07	**Lab File ID:**	VOA20517\2401024.D
Date Prepared:	5/17/07	**Method Blank:**	MB2051707-W
Date Analyzed:	5/17/07	**Prep Factor:**	1.000
Percent Moisture	NA	**Dilution Factor:**	1.00

Method: SW8260B
Prep Method: SW5030B

VOLATILE ORGANICS

Units: µg/L

Analytes	CAS Number	Result	LQL
Acetone	67-64-1	U	10
Benzene	71-43-2	U	1.0
Bromodichloromethane	75-27-4	U	4.0
Bromoform	75-25-2	U	4.0
Bromomethane	74-83-9	U	10
2-Butanone	78-93-3	U	20
Carbon disulfide	75-15-0	U	4.0
Carbon tetrachloride	56-23-5	U	2.0
Chlorobenzene	108-90-7	U	3.0
Chloroethane	75-00-3	U	5.0
2-Chloroethylvinylether	110-75-8	U	10
Chloroform	67-66-3	U	2.0
Chloromethane	74-87-3	U	4.0
Dibromochloromethane	124-48-1	U	2.0
1,2-Dichlorobenzene	95-50-1	U	4.0
1,3-Dichlorobenzene	541-73-1	U	4.0
1,4-Dichlorobenzene	106-46-7	U	4.0
1,1-Dichloroethane	75-34-3	U	2.0
1,2-Dichloroethane	107-06-2	U	2.0
1,1-Dichloroethene	75-35-4	U	2.0
cis-1,2-Dichloroethene	156-59-2	U	2.0
trans-1,2-Dichloroethene	156-60-5	U	2.0
1,2-Dichloropropane	78-87-5	U	4.0
cis-1,3-Dichloropropene	10061-01-5	U	2.0
trans-1,3-Dichloropropene	10061-02-6	U	2.0
Ethylbenzene	100-41-4	U	2.0

Analyst

Approved

Qualifiers: **See the case narrative for a discussion**

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Prep or Analytical holding time exceeded
S - Spike Recovery outside acceptance limits
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 5/25/07

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID:	Ross Water Well	**Lab Work Order**	07-2918
Client Project ID:	Molokai 1922	**Lab Sample ID:**	07-2918-01A
Date Collected:	5/9/07	**Sample Matrix:**	Groundwater
Date Received:	5/10/07	**Lab File ID:**	VOA20517\2401024.D
Date Prepared:	5/17/07	**Method Blank:**	MB2051707-W
Date Analyzed:	5/17/07	**Prep Factor:**	1.000
Percent Moisture	NA	**Dilution Factor:**	1.00

Method: SW8260B
Prep Method: SW5030B

VOLATILE ORGANICS

Units: µg/L

Analytes	CAS Number	Result	LQL
2-Hexanone	591-78-6	U	4.0
Methylene chloride	75-09-2	U	4.0
4-Methyl-2-pentanone	108-10-1	U	10
Styrene	100-42-5	U	4.0
1,1,2,2-Tetrachloroethane	79-34-5	U	4.0
Tetrachloroethene	127-18-4	U	2.0
Toluene	108-88-3	U	2.0
1,1,1-Trichloroethane	71-55-6	U	2.0
1,1,2-Trichloroethane	79-00-5	U	4.0
Trichloroethene	79-01-6	U	2.0
Vinyl acetate	108-05-4	U	5.0
Vinyl chloride	75-01-4	U	2.0
Xylene, Total	1330-20-7	U	4.0
Surr: 1,2-Dichloroethane-d4	17060-07-0	117	**QC Limits:** 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	121	**QC Limits:** 70-130 %REC
Surr: Toluene-d8	2037-26-5	118	**QC Limits:** 70-130 %REC

Analyst

Approved

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Surr - Surrogate Standard

Print Date: 5/25/07

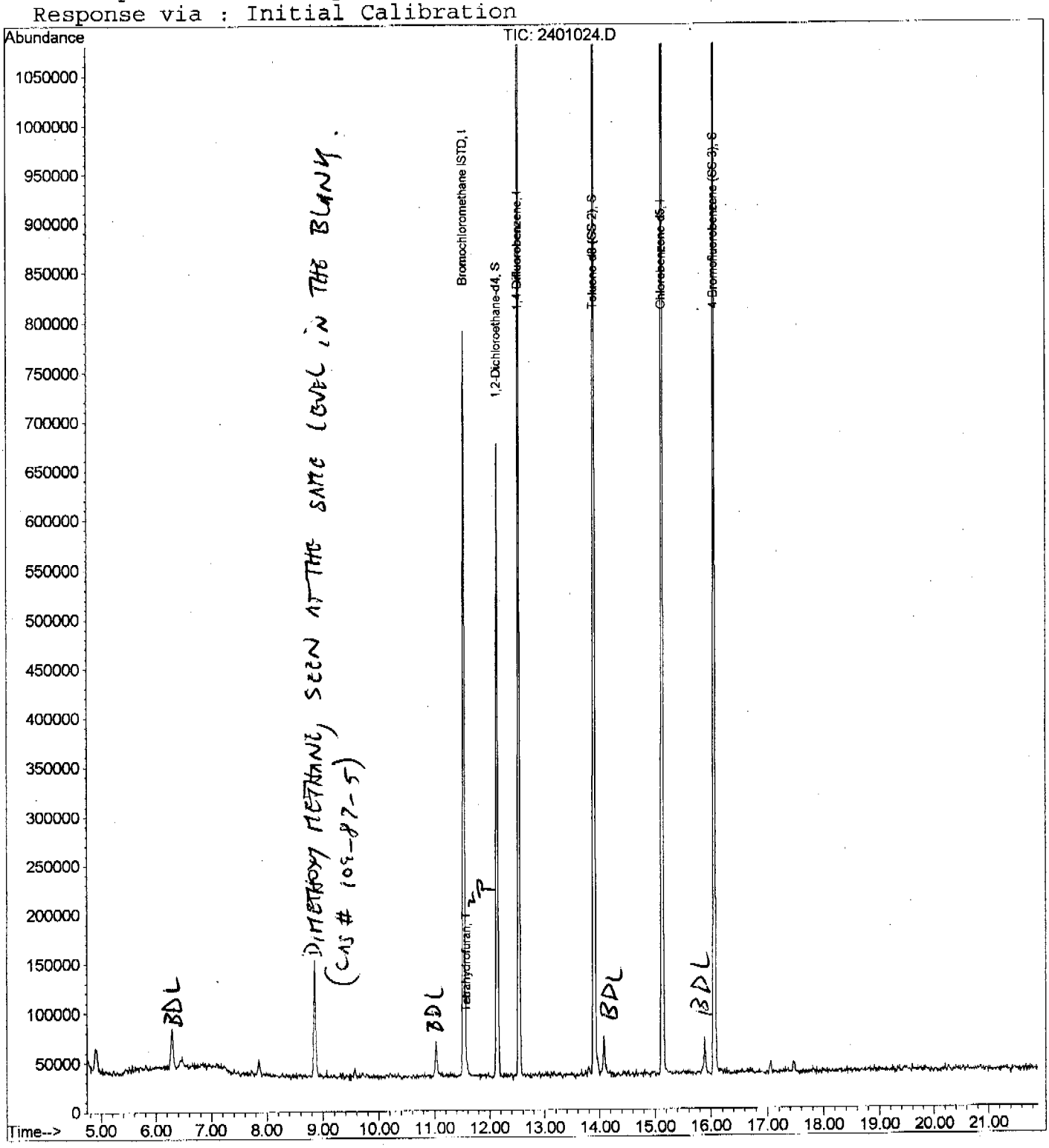
Quantitation Report

Data File : C:\HPCHEM\1\DATA\VOA20517\2401024.D
Acq On : 17 May 2007 7:46 pm
Sample : 07-2918-01A
Misc : SAMP 8260_W
MS Integration Params: rteint.p
Quant Time: May 18 13:42 19107

Vial: 24
Operator: S. Tyson
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 82600510.RE

Method : C:\HPCHEM\1\METHODS\82600510.M (RTE Integrator)
Title : 8260 VOA2
Last Update : Fri May 11 09:30:24 2007
Response via : Initial Calibration



5/18/07

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID:	Ross Water Well	**Lab Work Order:**	07-2918
Client Project ID:	Molokai 1922	**Lab Sample ID:**	07-2918-01B
Date Collected:	5/9/07	**Sample Matrix:**	Groundwater
Date Received:	5/10/07	**Lab File ID:**	\GCMS10516\3501033.D
Date Prepared:	5/14/07	**Method Blank:**	MB-12525
Date Analyzed:	5/17/07	**Prep Factor:**	0.001
Percent Moisture:	NA	**Dilution Factor:**	1.00

Method: SW8270C — SEMIVOLATILE ORGANICS
Prep Method: SW3520C

Units: µg/L

Analytes	CAS Number	Result	LQL
Acenaphthene	83-32-9	U	5.0
Acenaphthylene	208-96-8	U	5.0
Anthracene	120-12-7	U	5.0
Benzo(a)anthracene	56-55-3	U	5.0
Benzo(b&k)fluoranthene	205-99-2 & 207-08-9	U	10
Benzoic acid	65-85-0	U	10
Benzo(g,h,i)perylene	191-24-2	U	5.0
Benzo(a)pyrene	50-32-8	U	5.0
Benzyl alcohol	100-51-6	U	5.0
4-Bromophenyl phenyl ether	101-55-3	U	5.0
Butyl benzyl phthalate	85-68-7	U	5.0
4-Chloroaniline	106-47-8	U	10
Bis(2-chloroethoxy)methane	111-91-1	U	5.0
Bis(2-chloroethyl)ether	111-44-4	U	5.0
4-Chloro-3-methylphenol	59-50-7	U	5.0
2-Chloronaphthalene	91-58-7	U	5.0
2-Chlorophenol	95-57-8	U	5.0
4-Chlorophenyl phenyl ether	7005-72-3	U	5.0
Chrysene	218-01-9	U	5.0
Dibenz(a,h)anthracene	53-70-3	U	5.0
Dibenzofuran	132-64-9	U	5.0
Di-n-butyl phthalate	84-74-2	U	5.0
1,2-Dichlorobenzene	95-50-1	U	5.0
1,3-Dichlorobenzene	541-73-1	U	5.0
1,4-Dichlorobenzene	106-46-7	U	5.0
3,3'-Dichlorobenzidine	91-94-1	U	5.0
Dichlorodiisopropyl ether	108-60-1	U	5.0
2,4-Dichlorophenol	120-83-2	U	5.0
Diethyl phthalate	84-66-2	U	5.0
2,4-Dimethylphenol	105-67-9	U	5.0
Dimethyl phthalate	131-11-3	U	5.0
4,6-Dinitro-2-methylphenol	534-52-1	U	5.0
2,4-Dinitrophenol	51-28-5	U	5.0
2,4-Dinitrotoluene	121-14-2	U	5.0
2,6-Dinitrotoluene	606-20-2	U	5.0
Di-n-octyl phthalate	117-84-0	U	5.0
Bis(2-ethylhexyl)phthalate	117-81-7	U	10
Fluoranthene	206-44-0	U	5.0
Fluorene	86-73-7	U	5.0
Hexachlorobenzene	118-74-1	U	5.0

TMB/cmz
Analyst

Approved

Qualifiers: **See case narrative for a discussion**

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E - Extrapolated value. Value exceeds calibration range
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X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit
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Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 5/26/07

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID:	Ross Water Well	**Lab Work Order:**	07-2918
Client Project ID:	Molokai 1922	**Lab Sample ID:**	07-2918-01B
Date Collected:	5/9/07	**Sample Matrix:**	Groundwater
Date Received:	5/10/07	**Lab File ID:**	\GCMS10516\3501033.D
Date Prepared:	5/14/07	**Method Blank:**	MB-12525
Date Analyzed:	5/17/07	**Prep Factor:**	0.001
Percent Moisture:	NA	**Dilution Factor:**	1.00

Method: SW8270C — SEMIVOLATILE ORGANICS
Prep Method: SW3520C

Units: µg/L

Analytes	CAS Number	Result	LQL
Hexachlorobutadiene	87-68-3	U	5.0
Hexachlorocyclopentadiene	77-47-4	U	5.0
Hexachloroethane	67-72-1	U	5.0
Indeno(1,2,3-cd)pyrene	193-39-5	U	5.0
Isophorone	78-59-1	U	5.0
2-Methylnaphthalene	91-57-6	U	5.0
2-Methylphenol	95-48-7	U	5.0
4-Methylphenol	106-44-5	U	5.0
Naphthalene	91-20-3	U	5.0
2-Nitroaniline	88-74-4	U	5.0
3-Nitroaniline	99-09-2	U	5.0
4-Nitroaniline	100-01-6	U	5.0
Nitrobenzene	98-95-3	U	5.0
2-Nitrophenol	88-75-5	U	5.0
4-Nitrophenol	100-02-7	U	10
N-Nitrosodi-n-propylamine	621-64-7	U	5.0
N-Nitrosodiphenylamine	86-30-6	U	5.0
Pentachlorophenol	87-86-5	U	5.0
Phenanthrene	85-01-8	U	5.0
Phenol	108-95-2	U	5.0
Pyrene	129-00-0	U	5.0
1,2,4-Trichlorobenzene	120-82-1	U	5.0
2,4,5-Trichlorophenol	95-95-4	U	5.0
2,4,6-Trichlorophenol	88-06-2	U	5.0
Surr: 2,4,6-Tribromophenol	118-79-6	78	**QC Limits:** 32-138 %REC
Surr: 2-Fluorobiphenyl	321-60-8	67	**QC Limits:** 45-130 %REC
Surr: 2-Fluorophenol	367-12-4	66	**QC Limits:** 43-130 %REC
Surr: Nitrobenzene-d5	4165-60-0	73	**QC Limits:** 45-130 %REC
Surr: Phenol-d6	13127-88-3	70	**QC Limits:** 47-130 %REC
Surr: Terphenyl-d14	1718-51-0	95	**QC Limits:** 47-136 %REC

TMB/cm
Analyst

Carl Smith
Approved

Qualifiers: **See case narrative for a discussion**

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
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S - Spike Recovery outside acceptance limits
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Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

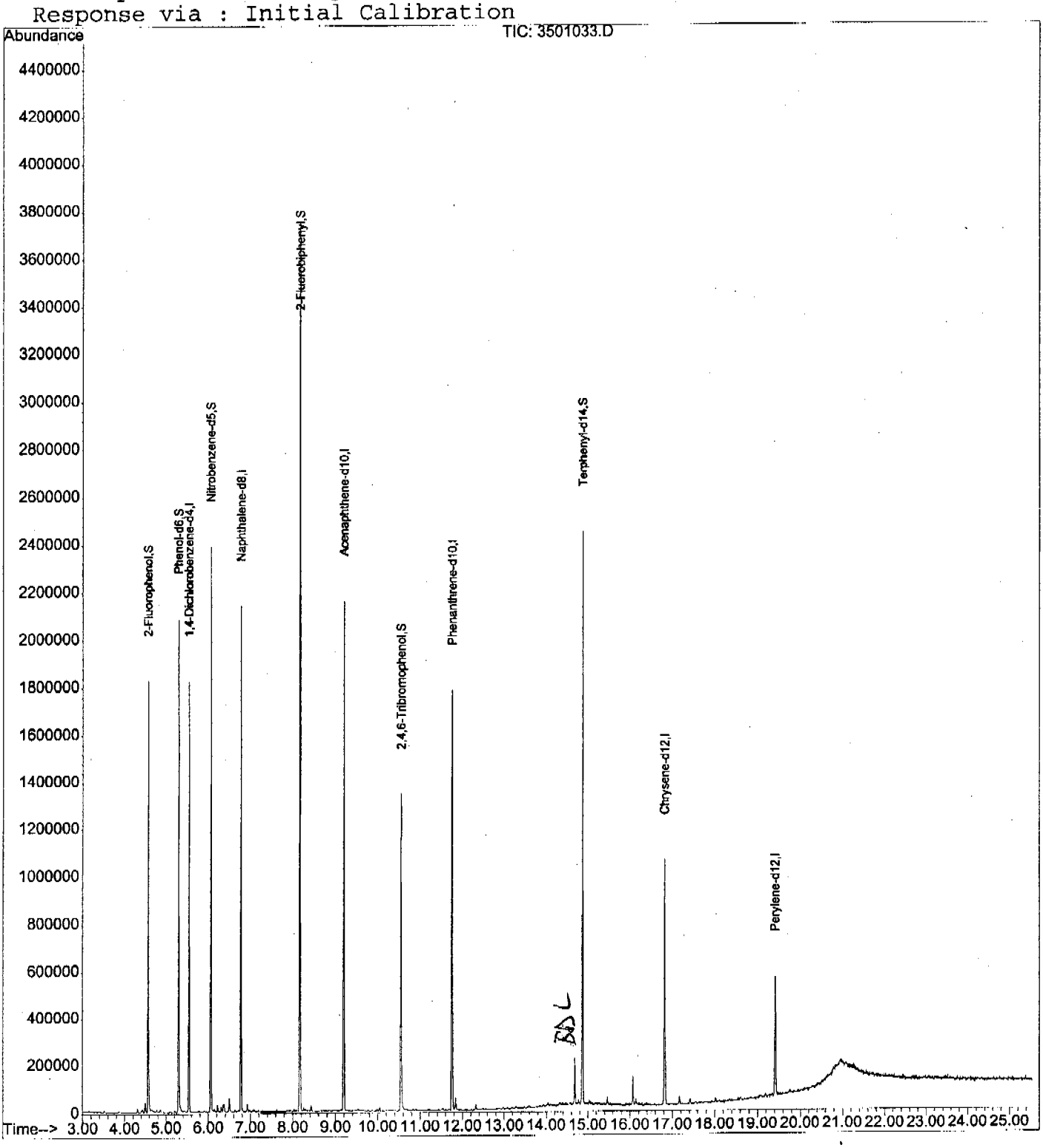
Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 5/26/07

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\GCMS10516\3501033.D Vial: 35
Acq On : 17 May 2007 1:00 pm Operator: T. Buchner
Sample : 07-2918-01B Inst : GCMS1
Misc : SAMP 8270_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 17 14:35 2007 Quant Results File: BNA0516.RES

Method : D:\MSDCHEM\1\METHODS\BNA0516.M (RTE Integrator)
Title : 8270C Calibration
Last Update : Thu May 17 09:06:27 2007
Response via : Initial Calibration



Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Ross Water Well
Client Project ID: Molokai 1922
Date Collected: 5/9/07
Date Received: 5/10/07

Lab Work Order: 07-2918
Lab Sample ID: 07-2918-01
Sample Matrix: Groundwater

DISSOLVED METALS

Method: E200.7, Rev. 4.4 — **Prep Method: E200.7/SW3010A**

Date Prepared: 5/11/07
Date Analyzed: 5/12/07
Lab File ID: 051107PM
Method Blank: MB-12515
Dilution Factor: 1
Lab Fraction ID: 07-2918-01C

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	30.0	0.387	mg/L
Iron	7439-89-6	U	0.0700	mg/L
Magnesium	7439-95-4	6.76	0.150	mg/L
Potassium	7440-09-7	0.765	0.340	mg/L
Sodium	7440-23-5	67.9	0.400	mg/L

Date Prepared: 5/11/07
Date Analyzed: 5/23/07
Lab File ID: 052207PM2
Method Blank: MB-12515
Dilution Factor: 1
Lab Fraction ID: 07-2918-01C

Analytes	CAS Number	Result	LQL	Units
Boron	7440-42-8	U	0.0200	mg/L

DISSOLVED METALS

Method: E200.8 — **Prep Method: E200.8**

Date Prepared: 5/14/07
Date Analyzed: 5/14/07
Lab File ID: 070514A.B\037SMPL.D
Method Blank: MB-12530
Dilution Factor: 1
Lab Fraction ID: 07-2918-01C

Analytes	CAS Number	Result	LQL	Units
Arsenic	7440-38-2	U	0.00200	mg/L
Barium	7440-39-3	0.0528	0.0100	mg/L
Cadmium	7440-43-9	U	0.000500	mg/L
Chromium	7440-47-3	U	0.00500	mg/L
Copper	7440-50-8	U	0.0100	mg/L
Lead	7439-92-1	U	0.00200	mg/L
Manganese	7439-96-5	0.0185	0.00500	mg/L
Selenium	7782-49-2	0.00524	0.00200	mg/L
Silver	7440-22-4	U	0.000200	mg/L

Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value.Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 5/25/07

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Ross Water Well
Client Project ID: Molokai 1922
Date Collected: 5/9/07 1205
Date Received: 5/10/07

Lab Work Order: 07-2918
Lab Sample ID: 07-2918-01
Sample Matrix: Groundwater

ALKALINITY

Method: SM2320B **Prep Method:**

Date Prepared: 5/14/07
Date Analyzed: 5/14/07
Lab File ID: 14
Method Blank: MBLK
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Total Alkalinity		155	5.0	mg/L CaCO3
Bicarbonate		155	5.0	mg/L CaCO3
Carbonate		U	5.0	mg/L CaCO3

ANIONS BY IC

Method: E300.0 **Prep Method:**

Date Prepared: 5/10/07
Date Analyzed: 5/10/07 1213
Method Blank: METHOD BLANK
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Chloride	7647-14-5	5.2	0.50	mg/L
Nitrite-N		U	0.0040	mg/L
Bromide	7647-15-6	0.083	0.050	mg/L
Nitrate-N		0.32	0.010	mg/L
Nitrite+Nitrate-N		0.32	0.010	mg/L

Date Prepared: 5/10/07
Date Analyzed: 5/10/07 1417
Method Blank: METHOD BLANK
Dilution Factor: 5
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Sulfate	7778-80-2	77.2	2.5	mg/L

SPECIFIC CONDUCTANCE @ 25°C

Method: SM2510 B **Prep Method:**

Date Prepared: 5/15/07
Date Analyzed: 5/15/07
Lab File ID: 88
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Specific Conductance		432	1.00	µmhos/cm

JJ /ms
Analyst

Carl Smith
Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 5/26/07

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Ross Water Well
Client Project ID: Molokai 1922
Date Collected: 5/9/07 1205
Date Received: 5/10/07

Lab Work Order: 07-2918
Lab Sample ID: 07-2918-01
Sample Matrix: Groundwater

FLUORIDE

Method: SM 4500-F C **Prep Method:**

Date Prepared: 5/16/07
Date Analyzed: 5/16/07
Lab File ID: 15
Method Blank: MBLK
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Fluoride	16984-48-8	1.0	0.20	mg/L

E150.1 PH

Method: E150.1 **Prep Method:**

Date Prepared: 5/10/07
Date Analyzed: 5/10/07 1050
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
pH		7.72	1.00	pH Units

TOTAL DISSOLVED SOLIDS (TDS)

Method: SM 2540C **Prep Method:**

Date Prepared: 5/14/07
Date Analyzed: 5/15/07 0000
Lab File ID: 11
Method Blank: MBLK
Dilution Factor: 1
Lab Fraction ID: 07-2918-01D

Analytes	CAS Number	Result	LQL	Units
Total Dissolved Solids		302	10.0	mg/L

JT/cm
Analyst

Carl Smith
Approved

Qualifiers:
B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions:
NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 5/26/07

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID Molokai 1922
Collection Date: 5/9/07

Lab Order: 07-2918
Date Received: 5/10/07
Units: mg/L

Total Organic Carbon (TOC)
Total Organic Carbon

Method: SM 5310 B **Prep Method:**

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
07-2918-01E	Ross Water Well	Groundwater	5/11/07	5/11/07	1.0	1.0	1

Comments TOC as NPOC (Non-Purgable Organic Carbon)

JC/cm
Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 5/26/07

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID Molokai 1922

Lab Order: 07-2918
Units: mg/L

RSKSOP-175M Headspace
Methane

Method: RSKSOP175M **Prep Method: RSKSOP175M**

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-2918-01F	Ross Water Well	Groundwater	5/10/07	5/9/07	5/11/07	5/11/07	0.047	0.00080	1

Comments:

MS / cm
Analyst

Carl Grunte
Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample analysis exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative
*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 5/26/07

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB, MEB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

***Only included** if requested or if performed on this client's samples.

Evergreen Analytical, Inc.

Date: *18-May-07*

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: **MB2051707-W**	SampType: **MBLK**	TestCode: **8260_W**	Run ID: **VOA-2_070517A**	Prep Date: **5/17/07**	Units: **µg/L**
	Batch ID: **R31797**	TestNo: **SW8260B**	FileID: **VOA20517\0501005.D**	Analysis Date: **5/17/07**	SeqNo: **563493**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	U	10									
Benzene	U	1.0									
Bromodichloromethane	U	4.0									
Bromoform	U	4.0									
Bromomethane	U	10									
2-Butanone	U	20									
Carbon disulfide	U	4.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	3.0									
Chloroethane	U	5.0									
2-Chloroethylvinylether	U	10									
Chloroform	U	2.0									
Chloromethane	U	4.0									
Dibromochloromethane	U	2.0									
1,2-Dichlorobenzene	U	4.0									
1,3-Dichlorobenzene	U	4.0									
1,4-Dichlorobenzene	U	4.0									
1,1-Dichloroethane	U	2.0									
1,2-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
1,2-Dichloropropane	U	4.0									
cis-1,3-Dichloropropene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Ethylbenzene	U	2.0									
2-Hexanone	U	4.0									
Methylene chloride	U	4.0									
4-Methyl-2-pentanone	U	10									

Qualifiers:

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R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB2051707-W	SampType: MBLK	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\0501005.D	Analysis Date: 5/17/07	SeqNo: 563493

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	U	4.0									
1,1,2,2-Tetrachloroethane	U	4.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2-Trichloroethane	U	4.0									
Trichloroethene	U	2.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	2.0									
Xylene, Total	U	4.0									
Surr: 1,2-Dichloroethane-d4	55.71	0	50	0	111	70	130	0	0		
Surr: 4-Bromofluorobenzene	60.18	0	50	0	120	70	130	0	0		
Surr: Toluene-d8	58.54	0	50	0	117	70	130	0	0		

Sample ID: LCS2051707H-W	SampType: LCS	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\0701007.D	Analysis Date: 5/17/07	SeqNo: 563495

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	35.69	10	50	0	71.4	49	130	0	0		
Benzene	51.97	1.0	50	0	104	70	130	0	0		
Bromodichloromethane	49.47	4.0	50	0	98.9	70	130	0	0		
Bromoform	45.87	4.0	50	0	91.7	48	138	0	0		
Bromomethane	53.54	10	50	0	107	38	170	0	0		
2-Butanone	40.32	20	50	0	80.6	37	130	0	0		
Carbon disulfide	44.52	4.0	50	0	89	70	130	0	0		
Carbon tetrachloride	55.29	2.0	50	0	111	70	130	0	0		
Chlorobenzene	51.42	3.0	50	0	103	70	130	0	0		
Chloroethane	53.69	5.0	50	0	107	70	130	0	0		
2-Chloroethylvinylether	45.37	10	50	0	90.7	24	185	0	0		
Chloroform	53.06	2.0	50	0	106	70	130	0	0		
Chloromethane	52.01	4.0	50	0	104	70	137	0	0		

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCS2051707H-W	SampType: LCS	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\0701007.D	Analysis Date: 5/17/07	SeqNo: 563495

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	49.69	2.0	50	0	99.4	64	132	0	0		
1,2-Dichlorobenzene	49.7	4.0	50	0	99.4	53	146	0	0		
1,3-Dichlorobenzene	50.04	4.0	50	0	100	52	148	0	0		
1,4-Dichlorobenzene	48.72	4.0	50	0	97.4	57	136	0	0		
1,1-Dichloroethane	55.17	2.0	50	0	110	70	130	0	0		
1,2-Dichloroethane	51.72	2.0	50	0	103	70	130	0	0		
1,1-Dichloroethene	56.3	2.0	50	0	113	70	130	0	0		
cis-1,2-Dichloroethene	54.35	2.0	50	0	109	70	130	0	0		
trans-1,2-Dichloroethene	57.63	2.0	50	0	115	70	130	0	0		
1,2-Dichloropropane	53.72	4.0	50	0	107	70	130	0	0		
cis-1,3-Dichloropropene	53.47	2.0	50	0	107	67	130	0	0		
trans-1,3-Dichloropropene	45.36	2.0	50	0	90.7	66	130	0	0		
Ethylbenzene	53.89	2.0	50	0	108	70	130	0	0		
2-Hexanone	42.47	4.0	50	0	84.9	39	135	0	0		
Methylene chloride	57.26	4.0	50	0	115	70	130	0	0		
4-Methyl-2-pentanone	46.9	10	50	0	93.8	61	130	0	0		
Styrene	49.63	4.0	50	0	99.3	38	130	0	0		
1,1,2,2-Tetrachloroethane	48.27	4.0	50	0	96.5	70	130	0	0		
Tetrachloroethene	50.4	2.0	50	0	101	66	134	0	0		
Toluene	55.14	2.0	50	0	110	70	140	0	0		
1,1,1-Trichloroethane	53.94	2.0	50	0	108	70	130	0	0		
1,1,2-Trichloroethane	47.83	4.0	50	0	95.7	69	130	0	0		
Trichloroethene	53.7	2.0	50	0	107	70	130	0	0		
Vinyl acetate	40.47	5.0	50	0	80.9	50	130	0	0		
Vinyl chloride	55.93	2.0	50	0	112	70	132	0	0		
Xylene, Total	106.5	4.0	100	0	107	55	134	0	0		
Surr: 1,2-Dichloroethane-d4	60.08	0	50	0	120	70	130	0	0		
Surr: 4-Bromofluorobenzene	61.62	0	50	0	123	70	130	0	0		
Surr: Toluene-d8	58.25	0	50	0	117	70	130	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 07-2939-02AMS	SampType: MS	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\0901009.D	Analysis Date: 5/17/07	SeqNo: 563497

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	36.47	10	50	0	72.9	21	130	0	0		
Benzene	51.03	1.0	50	0	102	59	132	0	0		
Bromodichloromethane	49.71	4.0	50	0	99.4	58	131	0	0		
Bromoform	47.84	4.0	50	0	95.7	45	140	0	0		
Bromomethane	55.85	10	50	0	112	53	155	0	0		
2-Butanone	40.53	20	50	0	81.1	37	130	0	0		
Carbon disulfide	43.48	4.0	50	0	87	41	132	0	0		
Carbon tetrachloride	54.18	2.0	50	0	108	70	130	0	0		
Chlorobenzene	50.52	3.0	50	0	101	65	133	0	0		
Chloroethane	53.91	5.0	50	0	108	55	143	0	0		
2-Chloroethylvinylether	48.21	10	50	0	96.4	20	168	0	0		
Chloroform	53.75	2.0	50	0	108	69	130	0	0		
Chloromethane	50.68	4.0	50	0	101	48	156	0	0		
Dibromochloromethane	50.44	2.0	50	0	101	52	141	0	0		
1,2-Dichlorobenzene	47.93	4.0	50	0	95.9	40	148	0	0		
1,3-Dichlorobenzene	46.77	4.0	50	0	93.5	38	148	0	0		
1,4-Dichlorobenzene	47.34	4.0	50	0	94.7	43	136	0	0		
1,1-Dichloroethane	55.9	2.0	50	0	112	70	130	0	0		
1,2-Dichloroethane	50.98	2.0	50	0	102	62	130	0	0		
1,1-Dichloroethene	54.69	2.0	50	0	109	69	137	0	0		
cis-1,2-Dichloroethene	53.2	2.0	50	0	106	70	130	0	0		
trans-1,2-Dichloroethene	56.48	2.0	50	0	113	69	134	0	0		
1,2-Dichloropropane	52.07	4.0	50	0	104	63	131	0	0		
cis-1,3-Dichloropropene	51.39	2.0	50	0	103	51	134	0	0		
trans-1,3-Dichloropropene	45.96	2.0	50	0	91.9	50	130	0	0		
Ethylbenzene	53.25	2.0	50	0	107	68	130	0	0		
2-Hexanone	44.45	4.0	50	0	88.9	45	132	0	0		
Methylene chloride	69.24	4.0	50	10.39	118	58	139	0	0		
4-Methyl-2-pentanone	49.75	10	50	0	99.5	62	130	0	0		
Styrene	48.81	4.0	50	0	97.6	27	130	0	0		
1,1,2,2-Tetrachloroethane	49.37	4.0	50	0	98.7	61	140	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 07-2939-02AMS	SampType: MS	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\0901009.D	Analysis Date: 5/17/07	SeqNo: 563497

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	50.02	2.0	50	0	100	61	134	0	0		
Toluene	53.88	2.0	50	0	108	56	142	0	0		
1,1,1-Trichloroethane	53.93	2.0	50	0	108	70	130	0	0		
1,1,2-Trichloroethane	48.34	4.0	50	0	96.7	52	135	0	0		
Trichloroethene	52.71	2.0	50	0	105	61	132	0	0		
Vinyl acetate	42.79	5.0	50	0	85.6	40	139	0	0		
Vinyl chloride	54.44	2.0	50	0	109	54	148	0	0		
Xylene, Total	102.7	4.0	100	0	103	36	132	0	0		
Surr: 1,2-Dichloroethane-d4	57.19	0	50	0	114	70	130	0	0		
Surr: 4-Bromofluorobenzene	62.15	0	50	0	124	70	130	0	0		
Surr: Toluene-d8	59.29	0	50	0	119	70	130	0	0		

Sample ID: 07-2939-02AMSD	SampType: MSD	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\1001010.D	Analysis Date: 5/17/07	SeqNo: 563498

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	36.33	10	50	0	72.7	21	130	36.47	0.385	30	
Benzene	51.38	1.0	50	0	103	59	132	51.03	0.684	30	
Bromodichloromethane	49.92	4.0	50	0	99.8	58	131	49.71	0.422	30	
Bromoform	47.19	4.0	50	0	94.4	45	140	47.84	1.37	30	
Bromomethane	55.31	10	50	0	111	53	155	55.85	0.972	30	
2-Butanone	43.18	20	50	0	86.4	37	130	40.53	6.33	30	
Carbon disulfide	42.43	4.0	50	0	84.9	41	132	43.48	2.44	30	
Carbon tetrachloride	53.28	2.0	50	0	107	70	130	54.18	1.68	30	
Chlorobenzene	50.14	3.0	50	0	100	65	133	50.52	0.755	30	
Chloroethane	53.12	5.0	50	0	106	55	143	53.91	1.48	30	
2-Chloroethylvinylether	51.86	10	50	0	104	20	168	48.21	7.29	30	
Chloroform	52.08	2.0	50	0	104	69	130	53.75	3.16	30	
Chloromethane	49.45	4.0	50	0	98.9	48	156	50.68	2.46	30	
Dibromochloromethane	50.84	2.0	50	0	102	52	141	50.44	0.790	30	
1,2-Dichlorobenzene	45.6	4.0	50	0	91.2	40	148	47.93	4.98	30	

Qualifiers:

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R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 07-2939-02AMSD	SampType: MSD	TestCode: 8260_W	Run ID: VOA-2_070517A	Prep Date: 5/17/07	Units: µg/L
	Batch ID: R31797	TestNo: SW8260B	FileID: VOA20517\1001010.D	Analysis Date: 5/17/07	SeqNo: 563498

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	44.48	4.0	50	0	89	38	148	46.77	5.02	30	
1,4-Dichlorobenzene	43.1	4.0	50	0	86.2	43	136	47.34	9.38	30	
1,1-Dichloroethane	54.53	2.0	50	0	109	70	130	55.9	2.48	30	
1,2-Dichloroethane	51.82	2.0	50	0	104	62	130	50.98	1.63	30	
1,1-Dichloroethene	52.96	2.0	50	0	106	69	137	54.69	3.21	30	
cis-1,2-Dichloroethene	52.07	2.0	50	0	104	70	130	53.2	2.15	30	
trans-1,2-Dichloroethene	55.08	2.0	50	0	110	69	134	56.48	2.51	30	
1,2-Dichloropropane	53.09	4.0	50	0	106	63	131	52.07	1.94	30	
cis-1,3-Dichloropropene	52.37	2.0	50	0	105	51	134	51.39	1.89	30	
trans-1,3-Dichloropropene	45.56	2.0	50	0	91.1	50	130	45.96	0.874	30	
Ethylbenzene	51.67	2.0	50	0	103	68	130	53.25	3.01	30	
2-Hexanone	44.93	4.0	50	0	89.9	45	132	44.45	1.07	30	
Methylene chloride	65.81	4.0	50	10.39	111	58	139	69.24	5.08	30	
4-Methyl-2-pentanone	50.74	10	50	0	101	62	130	49.75	1.97	30	
Styrene	47.64	4.0	50	0	95.3	27	130	48.81	2.43	30	
1,1,2,2-Tetrachloroethane	49.41	4.0	50	0	98.8	61	140	49.37	0.0810	30	
Tetrachloroethene	47.89	2.0	50	0	95.8	61	134	50.02	4.35	30	
Toluene	53.75	2.0	50	0	108	56	142	53.88	0.242	30	
1,1,1-Trichloroethane	51.77	2.0	50	0	104	70	130	53.93	4.09	30	
1,1,2-Trichloroethane	47.87	4.0	50	0	95.7	52	135	48.34	0.977	30	
Trichloroethene	51.9	2.0	50	0	104	61	132	52.71	1.55	30	
Vinyl acetate	41.92	5.0	50	0	83.8	40	139	42.79	2.05	30	
Vinyl chloride	53.27	2.0	50	0	107	54	148	54.44	2.17	30	
Xylene, Total	99.63	4.0	100	0	99.6	36	132	102.7	3.04	30	
Surr: 1,2-Dichloroethane-d4	57.32	0	50	0	115	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	60.53	0	50	0	121	70	130	0	0	0	
Surr: Toluene-d8	59.17	0	50	0	118	70	130	0	0	0	

Qualifiers:

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R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *24-May-07*

Work Order: 07-2918

Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

BatchID: 12515

Sample ID: MB-12515	SampType: MBLK	TestCode: 200.7_D	Run ID: ICP_070511B	Prep Date: 5/11/07	Units: mg/L
	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 051107PM	Analysis Date: 5/12/07	SeqNo: 561213

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	U	0.387									
Iron	U	0.0700									
Magnesium	U	0.150									
Potassium	U	0.340									
Sodium	U	0.400									

Sample ID: MB-12515	SampType: MBLK	TestCode: 200.7_D	Run ID: ICP_070522C	Prep Date: 5/11/07	Units: mg/L
	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 052207PM2	Analysis Date: 5/23/07	SeqNo: 564907

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	U	0.0200									

Sample ID: LCS-12515	SampType: LCS	TestCode: 200.7_D	Run ID: ICP_070511B	Prep Date: 5/11/07	Units: mg/L
	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 051107PM	Analysis Date: 5/12/07	SeqNo: 561214

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.05	0.387	10	0	100	74	113	0	0		
Iron	5.049	0.0700	5	0	101	76.6	115	0	0		
Magnesium	10.13	0.150	10	0	101	76.7	114	0	0		
Potassium	10.1	0.340	10	0	101	70.9	115	0	0		
Sodium	10.23	0.400	10	0	102	85.4	112	0	0		

Sample ID: LCS-12515	SampType: LCS	TestCode: 200.7_D	Run ID: ICP_070522C	Prep Date: 5/11/07	Units: mg/L
	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 052207PM2	Analysis Date: 5/23/07	SeqNo: 564908

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	1.941	0.0200	2	0	97.1	79	125	0	0		

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H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

BatchID: 12515

Sample ID: 04-2918-01CMS	SampType: MS	TestCode: 200.7_D	Run ID: ICP_070511B	Prep Date: 5/11/07	Units: mg/L
	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 051107PM	Analysis Date: 5/12/07	SeqNo: 561220

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	41.72	0.484	12.5	30.04	93.4	75	125	0	0		
Iron	6.215	0.0875	6.25	0	99.4	75	125	0	0		
Magnesium	18.99	0.188	12.5	6.76	97.9	75	125	0	0		
Potassium	13.23	0.425	12.5	0.7653	99.7	75	125	0	0		
Sodium	79.69	0.500	12.5	67.91	94.2	75	125	0	0		

Sample ID: 07-2918-01CMS	SampType: MS	TestCode: 200.7_D	Run ID: ICP_070522C	Prep Date: 5/11/07	Units: mg/L
Client ID: Russ Water Well	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 052207PM2	Analysis Date: 5/23/07	SeqNo: 564910

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	1.931	0.0200	2.5	0.01204	77.2	75	125	0	0		

Sample ID: 07-2918-01CMSD	SampType: MSD	TestCode: 200.7_D	Run ID: ICP_070511B	Prep Date: 5/11/07	Units: mg/L
Client ID: Russ Water Well	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 051107PM	Analysis Date: 5/12/07	SeqNo: 561221

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	42.02	0.484	12.5	30.04	95.8	75	125	41.72	0.722	20	
Iron	6.222	0.0875	6.25	0	99.6	75	125	6.215	0.111	20	
Magnesium	19.09	0.188	12.5	6.76	98.6	75	125	18.99	0.498	20	
Potassium	13.24	0.425	12.5	0.7653	99.8	75	125	13.23	0.0462	20	
Sodium	79.91	0.500	12.5	67.91	96	75	125	79.69	0.282	20	

Sample ID: 07-2918-01CMSD	SampType: MSD	TestCode: 200.7_D	Run ID: ICP_070522C	Prep Date: 5/11/07	Units: mg/L
Client ID: Russ Water Well	Batch ID: 12515	TestNo: E200.7, Rev.	FileID: 052207PM2	Analysis Date: 5/23/07	SeqNo: 564911

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	2.406	0.0250	2.5	0.01204	96.2	75	125	1.931	21.9	20	R

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X - See case narrative

Evergreen Analytical, Inc.

Date: *24-May-07*

Work Order: 07-2918

Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

BatchID: 12530

Sample ID: MB-12530	SampType: MBLK	TestCode: 200.8_D	Run ID: ICPMS_070514A	Prep Date: 5/14/07	Units: mg/L
	Batch ID: 12530	TestNo: E200.8	FileID: 070514A.B\021SMPL.D	Analysis Date: 5/14/07	SeqNo: 561530

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	U	0.00200									
Barium	U	0.0100									
Cadmium	U	0.000500									
Chromium	U	0.00500									
Copper	U	0.0100									
Lead	U	0.00200									
Manganese	U	0.00500									
Selenium	U	0.00200									
Silver	U	0.000200									

Sample ID: LCS-12530	SampType: LCS	TestCode: 200.8_D	Run ID: ICPMS_070514A	Prep Date: 5/14/07	Units: mg/L
	Batch ID: 12530	TestNo: E200.8	FileID: 070514A.B\022SMPL.D	Analysis Date: 5/14/07	SeqNo: 561531

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.2535	0.00200	0.25	0	101	85	115	0	0		
Barium	0.2548	0.0100	0.25	0	102	85	115	0	0		
Cadmium	0.0259	0.000500	0.025	0	104	85	115	0	0		
Chromium	0.2604	0.00500	0.25	0	104	85	115	0	0		
Copper	0.2532	0.0100	0.25	0	101	85	115	0	0		
Lead	0.0502	0.00200	0.05	0	100	85	115	0	0		
Manganese	0.5145	0.00500	0.5	0	103	85	115	0	0		
Selenium	0.05255	0.00200	0.05	0	105	85	115	0	0		
Silver	0.0252	0.000200	0.025	0	101	85	115	0	0		

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H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *17-May-07*

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: ALK_WGRP

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **ALK_WGRP**	Run ID: **ALK_070514B**	Prep Date: **5/14/07**	Units: **mg/L CaCO3**
	Batch ID: **R31663**	TestNo: **SM2320B**	FileID: **1**	Analysis Date: **5/14/07**	SeqNo: **561499**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Alkalinity	U	5.0									
Bicarbonate	U	5.0									
Carbonate	U	5.0									

Sample ID: **LCS**	SampType: **LCS**	TestCode: **ALK_WGRP**	Run ID: **ALK_070514B**	Prep Date: **5/14/07**	Units: **mg/L CaCO3**
	Batch ID: **R31663**	TestNo: **SM2320B**	FileID: **2**	Analysis Date: **5/14/07**	SeqNo: **561500**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Alkalinity	97.02	5.0	100	0	97	90	110	0	0		

Qualifiers:

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S - Spike Recovery outside acceptance limits
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R - RPD outside acceptance limits
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H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_W

Sample ID: LCS	SampType: LCS	TestCode: COND_W	Run ID: COND_070515A					Prep Date: 5/15/07		Units: µmhos/cm	
	Batch ID: R31681	TestNo: SM2510 B	FileID: 82					Analysis Date: 5/15/07		SeqNo: 561854	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	96.2	1.00	99.3	0	96.9	90	110	0	0		

Qualifiers:

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S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: F_W

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **F_W**	Run ID: **F_070516A**	Prep Date: **5/16/07**	Units: **mg/L**
	Batch ID: **R31725**	TestNo: **SM 4500-F C**	FileID: **1**	Analysis Date: **5/16/07**	SeqNo: **562492**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	U	0.20									

Sample ID: **LCS**	SampType: **LCS**	TestCode: **F_W**	Run ID: **F_070516A**	Prep Date: **5/16/07**	Units: **mg/L**
	Batch ID: **R31725**	TestNo: **SM 4500-F C**	FileID: **2**	Analysis Date: **5/16/07**	SeqNo: **562493**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	9.703	0.20	10	0	97	95	105	0	0		

Qualifiers:

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R - RPD outside acceptance limits
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X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_DW

Sample ID: **LCS-R31589**	SampType: **LCS**	TestCode: **PH_DW**	Run ID: **PH_070510C**	Prep Date: **5/10/07**	Units: **pH Units**
	Batch ID: **R31589**	TestNo: **E150.1**	FileID:	Analysis Date: **5/10/07**	SeqNo: **560269**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8	1.00	8	0	100	99.3	100.7	0	0		

Qualifiers:

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R - RPD outside acceptance limits
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X - See case narrative

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: TDS_W

Sample ID: **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Run ID: **ANALYTICAL BALANCE_070514B**	Prep Date: **5/14/07**	Units: **mg/L**
	Batch ID: **R31690**	TestNo: **SM 2540C**	FileID: **1**	Analysis Date: **5/15/07**	SeqNo: **562015**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	U	10.0									

Sample ID: **LCS**	SampType: **LCS**	TestCode: **TDS_W**	Run ID: **ANALYTICAL BALANCE_070514B**	Prep Date: **5/14/07**	Units: **mg/L**
	Batch ID: **R31690**	TestNo: **SM 2540C**	FileID: **2**	Analysis Date: **5/15/07**	SeqNo: **562016**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	409	10.0	400	7	102	90	110	0	0		

Qualifiers:

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J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *11-May-07*

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_W

Sample ID: **METHOD BLANK**	SampType: **MBLK**	TestCode: **ANIONS_W**	Run ID: **IC-DX120_070511A**	Prep Date: **5/10/07**	Units: **mg/L**
	Batch ID: **R31620**	TestNo: **E300.0**	FileID:	Analysis Date: **5/10/07**	SeqNo: **560676**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	U	0.50									
Nitrite-N	U	0.0040									
Bromide	U	0.050									
Nitrate-N	U	0.010									
Nitrite+Nitrate-N	U	0.010									
Sulfate	U	0.50									

Sample ID: **LCS Alltech ALLT21**	SampType: **LCS**	TestCode: **ANIONS_W**	Run ID: **IC-DX120_070511A**	Prep Date: **5/10/07**	Units: **mg/L**
	Batch ID: **R31620**	TestNo: **E300.0**	FileID:	Analysis Date: **5/10/07**	SeqNo: **560675**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.98	1.0	20	0	94.9	90	110	0	0		
Nitrite-N	6.142	0.0080	6.09	0	101	90	110	0	0		
Bromide	20.07	0.10	20	0	100	90	110	0	0		
Nitrate-N	4.611	0.020	4.518	0	102	90	110	0	0		
Nitrite+Nitrate-N	10.75	0.020	10.61	0	101	90	110	0	0		
Sulfate	29.76	1.0	30	0	99.2	90	110	0	0		

Qualifiers:

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S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *15-May-07*

Work Order: 07-2918

Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

TestCode: TOC_W

Sample ID: **MB-R31671**	SampType: **MBLK**	TestCode: **TOC_W**	Run ID: **TOC-WW_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **R31671**	TestNo: **SM 5310 B**	FileID:	Analysis Date: **5/11/07**	SeqNo: **561672**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	U	1.0									

Sample ID: **LCS-R31671**	SampType: **LCS**	TestCode: **TOC_W**	Run ID: **TOC-WW_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **R31671**	TestNo: **SM 5310 B**	FileID:	Analysis Date: **5/11/07**	SeqNo: **561673**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	10.52	1.0	10.74	0	98	90	110	0	0		

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical, Inc.

Date: *14-May-07*

Work Order: 07-2918
Client Project ID: Molokai 1922

ANALYTICAL QC SUMMARY REPORT

BatchID: GAS051107

Sample ID: **GB051107**	SampType: **MBLK**	TestCode: **MEEP_W**	Run ID: **FID4_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **GAS051107**	TestNo: **RSKSOP175**	FileID: **GAS0510004**	Analysis Date: **5/11/07**	SeqNo: **561282**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	U	0.00080									

Sample ID: **LCS051107**	SampType: **LCS**	TestCode: **MEEP_W**	Run ID: **FID4_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **GAS051107**	TestNo: **RSKSOP175**	FileID: **GAS0510005**	Analysis Date: **5/11/07**	SeqNo: **561283**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5487	0.0080	0.5094	0	108	70	130	0	0		

Sample ID: **LCSD051107**	SampType: **LCSD**	TestCode: **MEEP_W**	Run ID: **FID4_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **GAS051107**	TestNo: **RSKSOP175**	FileID: **GAS0510006**	Analysis Date: **5/11/07**	SeqNo: **561284**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5489	0.0080	0.5094	0	108	70	130	0.5487	0.0383	30	

Sample ID: **07-2860-06CMS**	SampType: **MS**	TestCode: **MEEP_W**	Run ID: **FID4_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **GAS051107**	TestNo: **RSKSOP175**	FileID: **GAS0510023**	Analysis Date: **5/11/07**	SeqNo: **561278**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5257	0.0080	0.5094	0	103	70	130	0	0		

Sample ID: **07-2860-06CMSD**	SampType: **MSD**	TestCode: **MEEP_W**	Run ID: **FID4_070511A**	Prep Date: **5/11/07**	Units: **mg/L**
	Batch ID: **GAS051107**	TestNo: **RSKSOP175**	FileID: **GAS0510024**	Analysis Date: **5/11/07**	SeqNo: **561279**

Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.5359	0.0080	0.5094	0	105	70	130	0.5257	1.92	30	

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Evergreen Analytical Laboratory

May 26, 2007

Margaret Ash
Colorado Oil & Gas Conservation Comm.
1120 Lincoln St #801
Denver, CO 80203

Lab Work Order: 07-2918
Client Project ID: Molokai 1922

Dear Margaret Ash:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

Carl Smits / Kaprie Hollman
Technical Director of Chemical Analysis