Geosyntec consultants

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29 May 2015

Ms. Lauri Kemper, P.E.
Assistant Executive Officer
Lahonton Regional Water Quality Control Board
2501 Lake Tahoe Boulevard
South Lake Tahoe, California 96150

Attention: Ms. Lisa Scoralle

Subject: **Response to Comments for the Facility Waste Generation and Discharge Systems Report**
Crystal Geyser Roxane – Spring Water Bottling Facility
Response to Comments
1210 South US Highway 395
Olancha, California

Dear Ms. Scorale:

Geosyntec Consultants, Inc., (Geosyntec) on behalf of Crystal Geyser Roxane, LLC (CGR), hereby submits this Response to Comments for the CGR Spring Water Bottling Facility (Site) located at 1210 South U.S. Highway 395, near Olancha, California. The Lahonton Regional Water Quality Control Board (Water Board) provided comments regarding the *Facility Waste Generation and Discharge Systems Report*, (Facility Report) dated October 21, 2014, in the letter dated February 5, 2015. The following provides responses to the comments provided in the February 5, 2015 letter.

Comments/Additional Requirements

Comment 1. The Facility Report refers to "pH neutralization" processes that take place at numerous locations throughout the Olancha facilities. Please provide an appropriately scaled site plan that clearly depicts all locations where pH neutralization processes take place, including "in-line" neutralization locations. Please be sure that all elements shown on the plans are appropriately labeled and that all text is clearly legible at the scale provided, as some of the text on the Layout of Wastewater Discharge Systems plans provided was too small to be readable. Provide a table summarizing the chemicals/acids/bases/solutions that are used for neutralization at each location, along with the concentrations and quantities of each.

Response – Comment 1:

Scaled site plans of the wastewater discharge system plans are provided as **Sheets 1 through 5**, included with this letter. Please refer to **Sheets 3, 4, and 5** for the layout of the waste discharge

lines and neutralization tanks. A summary table of chemicals used for neutralization is provided in attached **Table 1**.

Comment 2. "Neutralization" is said to have been achieved when a waste solution reaches a pH value between 6 and 9. The "neutralized" wastes are then discharged to one of the three wastewater ponds at the site. In some cases, the wastes are neutralized "inline" during discharge. For your information, the Water Board's Water Quality Control Plan for the Lahontan Region (Basin Plan) establishes water quality objectives (standards) for numerous water quality parameters, including pH. The Basin Plan specifies that waste discharges cannot cause changes in normal ambient pH levels greater than 0.5 units for surface waters with a designated beneficial use of COLD. The water quality objective applies to the wetlands adjacent to the Fire Pond, and therefore, the Fire Pond discharge to those wetlands. The water quality objectives specified by the Basin Plan can be found online at http://www. waterboards,ca.govllahontan/water issues/programs/basin plan/docs/ch3 wgobjectives.Q.,dj.

Response – Comment 2:

Comment noted. Waste water discharges will be monitored to ensure that they comply with the Basin Plan. As required by the Water Board, CGR has been ordered to complete a Report of Waste Discharge (ROWD) application which will describe the appropriate waste water and receiving water monitoring in order to comply with the Basin Plan. As indicated in prior CGR correspondence, it should be noted that CGR does not believe that the location where discharge was occurring constituted a "wetland" as defined by the U.S. Army Corp of Engineers or U.S. Environmental Protection Agency. Nonetheless, the discharge location of the Fire Pond has been re-routed to a location south of the Fire Pond as shown on **Sheet 5** attached. The current Fire Pond discharge location is contained on CGR property and does not contain any wetlands or protected characteristics.

Comment 3. The Layout of Wastewater Discharge Systems plans show numerous floor "trench" drains throughout the facilities. Please provide as-built plans, including cross sections, showing the typical design and construction (including materials) of the floors, trench drains and underground plumbing systems, including plumbing/drainage system connections and other features. Be sure to specify the types of connections (e.g., flush-threaded piping, slip-collar joints, primer/glue) and any leak prevention/detection equipment, if any, (e.g., double-walled piping., etc.).

Response – Comment 3:

Sheets 3 through 5 provided with this letter display the layout, materials, and connections for the underground plumbing systems. The attached **Figure 1** provides a photo of a typical floor trench drain used at the Site. The trench drains are installed as PVC piping contained within the concrete slab foundation in the footprint of the factory building. The below grade conveyance piping sizes and materials outside of the factory footprint are provided in **Sheets 3 through 5**.

Comment 4. The Facility Report describes the valve distribution box (for directing wastewater flows to either the East Pond or the Arsenic Pond) as "fully-sealed". Please describe the type and method of seal provided and the manner in which leakage from the distribution box can/would be detected.

Response – Comment 4:

Sheet 6 provided with this letter shows the details of the valve distribution box including construction notes and seals/connections to distribution piping connected to and leaving from the box. According to CGR staff, the distribution box is constructed of concrete and sealed with a steel cover surrounding the box, and the box is visually inspected by CGR staff for leaks upon each filter regeneration process. CGR staff have indicated that there is no visual evidence of historical leakage from the valve distribution box. A photograph of the exterior/sidewall of the valve distribution box is shown on **Figure 2**.

Comment 5. Provide an appropriately scaled map showing the locations of the 12 industrial cooling towers at the site and identify the specific discharge location(s) for each. Clearly depict any and all location(s) where the cooling tower wastewater discharges directly to the ground, whether such discharges presently occur or have historically occurred in the past. For each location of direct discharge to ground, provide associated dates/time frames of discharges at each location.

Response – Comment 5:

The locations of the cooling towers at the Site and their respective discharge locations are shown and labeled on **Sheets 3 through 5**. All cooling towers are installed within concrete secondary containment basins. The secondary containment basins have floor drains that collect the cooling tower discharge water and transmit the water to the East Pond. Contrary to previous assertions otherwise by CGR staff, we have further investigated the historical discharge practices of these cooling towers and water generated from them do not discharge to the ground surface at any location.

Comment 6. Collect a representative, discrete sample of industrial cooling tower wastewater discharge and submit the sample for laboratory analysis of the list of constituents identified in Investigative Order No. R6V-2014-0063. Specifically, the cooling tower unit selected for sampling and analysis (and direct-push/hydropunch boring per Condition 7, below) should be one of the units that discharges to the ground. If no such units currently discharge to ground, this sample can be collected and results reported at a later date when such discharge is active and available for sampling.

Response – Comment 6:

Waste water discharge from the cooling towers is collected in drains from secondary containment pads located beneath the cooling towers. Water that discharges from the cooling towers is transmitted via below grade piping as shown on Sheets 3 – 5 to the East Pond. A

representative sample of the cooling tower wastewater discharge was collected on March 19, 2015, and analyzed for the list of constituents identified in the Investigative Order No. R6V-2014-0063. The results of detected compounds from this sample are provided in the attached **Table 2**.

Comment 7. Include one additional direct-push/hydropunch boring at the location of waste discharge to ground for the cooling tower unit specified per Condition 6, above. Conduct the same sampling and analyses for the additional boring as specified in the Site Investigation Work Plan for the other direct-push/hydropunch borings identified for the Phase 1 investigation.

Response – Comment 7:

An additional direct-push/hydropunch boring location has been included and the same sampling and analyses as specified in the Supplemental Site Investigation Work Plan has been performed. Please reference the *Phase 1 Site Groundwater Investigation Report* for the Olancha Spring Water Bottling Facility for the CT-1 boring samples (sample number CT-1-20150108) collected in January 2015.

Comment 8. The Facility Report also states that the ion exchange resin for the water "softeners" of each cooling tower unit is regenerated regularly and automatically (page 6) with a sea salt solution to remove retained calcium. Please describe and illustrate the location(s) where such regeneration wastewater is discharged.

Response – Comment 8:

The ion exchange resin for the water softeners is regenerated in the “water softener rooms” in both the northern and southern building of the Site. The water softener rooms for the northern and southern Site factory buildings are shown on Sheets 4 and 5, respectively. The waste water generated during water softener regeneration is transmitted to the East Pond via trench drains and underground pipe.

Comment 9. The site plans/figures in the Facility Report identify a number of monitoring wells at the site. Please provide, in the Phase 1 investigation report, available well construction/design details for these existing monitoring wells (well depths, casing types, well elevations, sanitary seals (types/depths/thicknesses), well screen, filter pack media, screened intervals, etc.), and groundwater monitoring data (depths to water, groundwater flow direction, gradient, etc.). Additionally, please include well stabilization parameter measurements, well sampling forms, and any laboratory chemical analytical results of samples collected from these wells for water quality analyses, if available. Depending on the data received, and the results of the Phase 1 investigation, staff may require these wells to be monitored, purged and sampled for laboratory analysis at a later date.

Response – Comment 9:

A summary of pertinent monitoring well data at the Site is included as **Table 3**. Available water quality data within the last 2 years is provided as Appendix A.

Comment 10. Please send complete copies of all CG Roxane's submittals to date (Facility Waste Generation and Discharge Systems Report, Site Investigation Work Plan and its supplement), as well as all future correspondence, to each of the following for their review and files: California Department of Toxic Substances Control, Attn: Dave Stuck; lnyo County Environmental Health Department, Attn: Marvin Moskowitz; and California Department of Fish and Wildlife, Attn: Heidi Calvert.

Response – Comment 10:

Copies of reports, work plans, and related documentation will be sent to the listed interested parties. If you have any questions related to this letter, report, or other issues, please do not hesitate to call Ryan Smith at 805 897 3800.

Sincerely,
Geosyntec Consultants

Mark Grivetti, P.G., C.Hg.
Principal Hydrogeologist

Ryan Smith
Project Geologist, P.G., C.Hg.

Copy: Mr. Page Beykpour, CGR, Chief Operations Officer/General Council
Mr. Dave Stuck, California Department of Toxic Substances Control
Mr. Marvin Moskowitz, lnyo County Environmental Health Department
Ms. Heidi Calvert, California Department of Fish and Wildlife

Tables:

Table 1 Summary of pH Neutralization
Table 2 Cooling Tower Discharge Sample Results

Figures:

Sheet1 Site Plan
Sheet 2 Site Plan
Sheet 3 Layout of Waste Water Discharge Systems
Sheet 4 Layout of Waste Water Discharge Systems (North)
Sheet 5 Layout of Waste Water Discharge Systems (South)

Response to Facility Report Comments
CG Roxane, Olancha
29 May 2015

Sheet 6 Junction Box at the Arsenic Pond
Figure 1 Typical Floor Trench Drain
Figure 2 Valve Distribution Box Exterior

Attachment

Attachment A Analytical Reports for Selected Wells

Tables

Table 1
Summary of pH Neutralization Process
CG Roxane - Olancha, CA

Location	Acid/Base/Solution Used	Concentration of Solution	Volume Used (gallons)
Imeca filter, Neutralization Tank	phosphoric acid	2%	185
	caustic soda	3%	185
As removal system South, Neutralization Tank	caustic soda	30%	1100
	sulfuric acid	93%	22 -128
As removal system North, Neutralization Tank	caustic soda	30%	1100
	sulfuric acid	93%	22-128
As removal system OI 6, Neutralization Tank	caustic soda	30%	825
	sulfuric acid	93%	22-96

Notes:
As: Arsenic

Table 2
Cooling Tower Discharge Sample Results
CG Roxane - Olancha, CA

Sample Location	**CT10 Drain**
Date Sampled	3/19/2015
Arsenic (dissolved) µg/l	32
Arsenic µg/l	36
Barium (dissolved) µg/l	6.3
Barium µg/l	7.3
Copper (dissolved) µg/l	2.6
Copper µg/l	4
Magnesium µg/l	2.4
Molybdenum (dissolved) µg/l	11
Molybdenum µg/l	11
Vanadium (dissolved) µg/l	8.9
Vanadium µg/l	9.2
Alkalinity, Bicarbonate mg/l	130
Calcium Carbonate mg/l	160
Calcium mg/l	29
Chloride mg/l	3.4
Dissolved Oxygen mg/l	8.8
Nitrate (as N) mg/l	0.42
Orthophophosphate mg/L	0.034
Sodium mg/L	39
Specific Conductance umho/cm	340
Sulfate mg/L	34
Total Coliform Bacteria MPN/100 mL	460
TDS mg/L	260
Total Nitrogen mg/L	0.42

Notes:
Samples analyzed by Eurofins Eaton Analytical in Monrovia, CA.
Only detected compounds shown. All other compounds analyzed were not detected above the laboratory minimum reporting limit.
µg/l: micrograms per liter
mg/l: milligrams per liter

Table 3

Well Completion Information

CG Roxane - Olancha, California

Well ID	Completion Date	Casing Diameter (in)	Borehole Diameter (in)	Depth to Water (ft btoc)	Well Screen Interval (ft bgs)	Well Seal Interval (ft bgs)	Well Total Depth (ft bgs)
CGR-1	April 1990	6	NA	NA	57-88	0-52	88
CGR-3	September 1993	10	17	NA	56-72	0-53	72
CGR-5	August 1994	10	20	NA	52-67	0-49	67
OW-1	August 1990	4	NA	NA	49-69	NA	69
OW-7U	July 1996	5	NA	12.5	54.5-74.5	0-50	74.5
OW-7M	July 1996	4	NA	3.1	212-252	0-188	252
OW-8U	NA	4	NA	NA	190-230	0-180	230
OW-8US	February 2015	4	12	Lightly Artisian	55-75	0-44.5	75
OW-8D	NA	4	NA	Artisian	582-642	0-495	642
EW-4	NA	NA	NA	NA	NA	NA	NA
EW-5	NA	12.5	NA	NA	35-57	NA	57
EW-6	NA	8	NA	NA	21-57	NA	57

Notes:

ft btoc feet below top of casing

ft bgs feet below ground surface

NA: Data not available

Figures

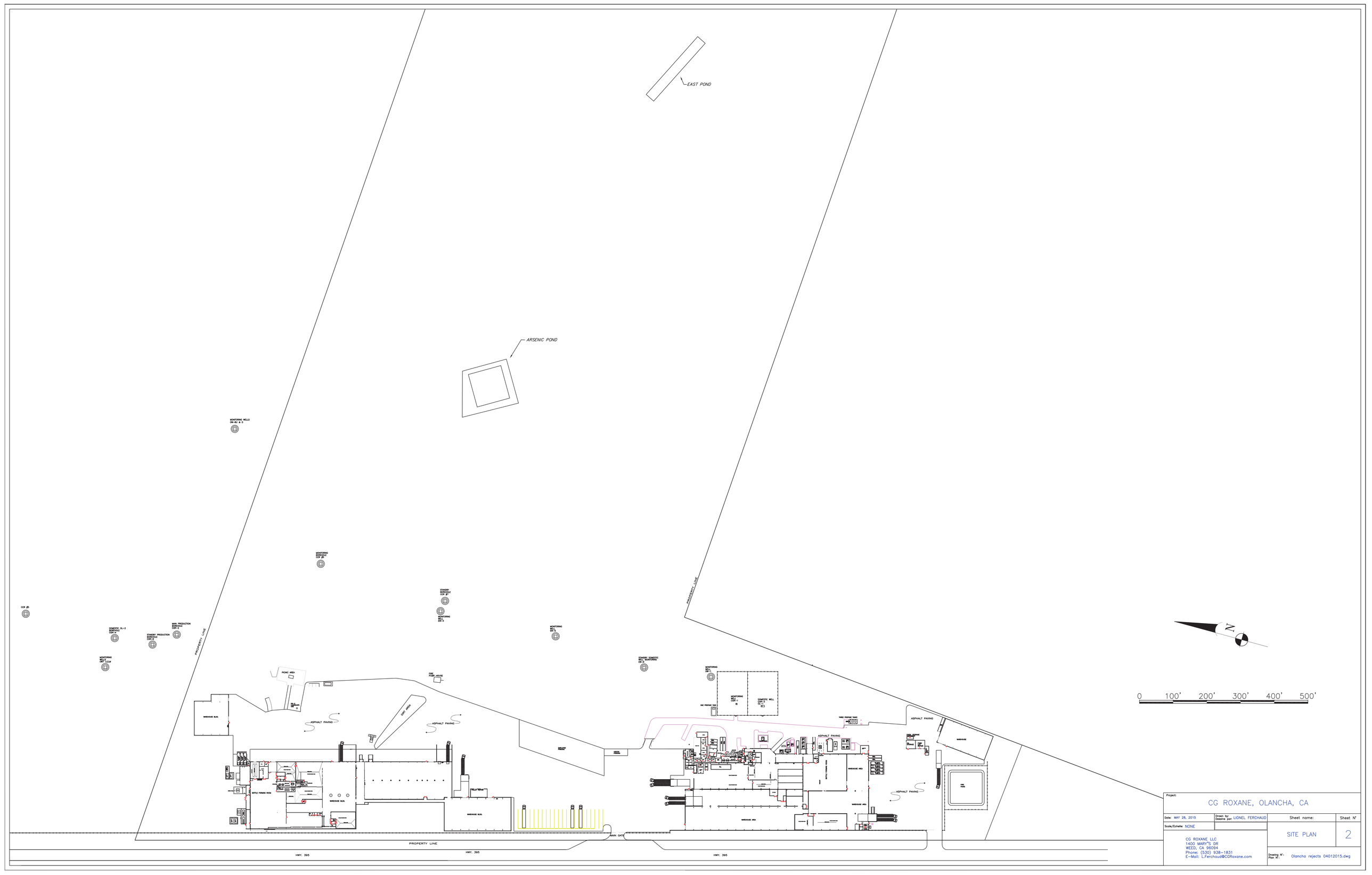
Project:

CG ROXANE, OLANCHA, CA

Date: MAY 28, 2015	Drawn by: / Dessiné par: LIONEL FERCHAUD	Sheet name: / Sheet N°
Scale/Echelle: NONE		SITE PLAN / 1

CG ROXANE LLC
1400 MARY'S DR
WEED, CA 96094
Phone: (530) 938-1831
E-Mail: L.Ferchaud@CGRoxane.com

Drawing N°: / Plan N°: Olancha rejects 04012015.dwg



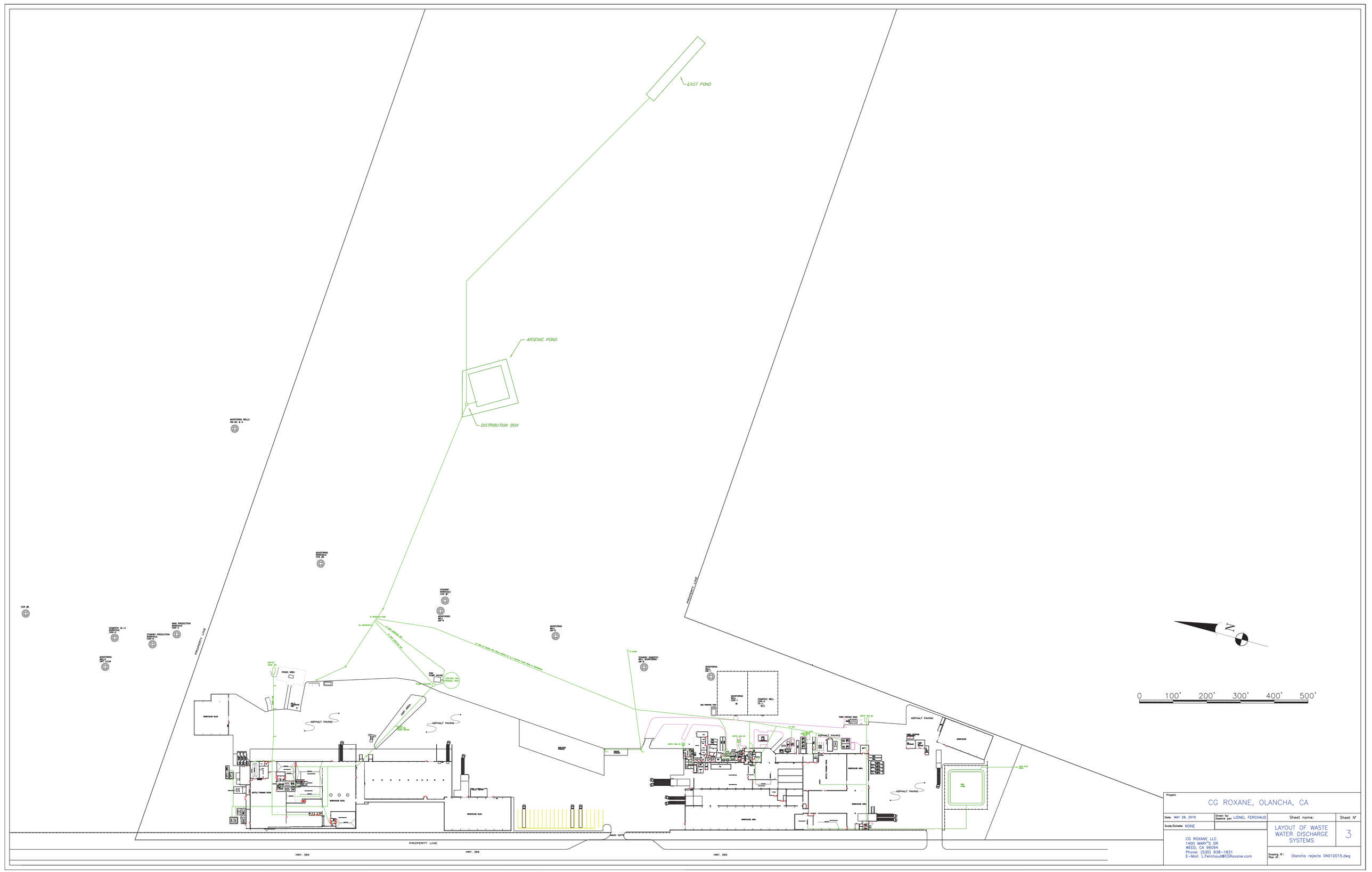
Project:

CG ROXANE, OLANCHA, CA

Date: MAY 28, 2015	Drawn by / Dessiné par: LIONEL FERCHAUD	Sheet name:	Sheet N°
Scale/Echelle: NONE		SITE PLAN	2

CG ROXANE LLC
1400 MARY'S DR
WEED, CA 96094
Phone: (530) 938-1831
E-Mail: L.Ferchaud@CGRoxane.com

Drawing N°: Olancha rejects 04012015.dwg
Plan N°:



Project:

CG ROXANE, OLANCHA, CA

Date: MAY 28, 2015	Drawn by: Dessine par: LIONEL FERCHAUD	Sheet name:	Sheet N°
Scale/Echelle: NONE		LAYOUT OF WASTE WATER DISCHARGE SYSTEMS	3

CG ROXANE LLC
1400 MARY"S DR
WEED, CA 96094
Phone: (530) 938-1831
E-Mail: L.Ferchaud@CGRoxane.com

Drawing N°:
Plan N°: Olancha rejects 04012015.dwg


PROPERTY LINE
TO RETENTION POND
OIL SEPARATOR
MONITORING WELL EW-4
MONITORING WELL EW-5
4" HDPP OVERFLOW LINE
6" HDPP OVERFLOW LINE
12" SDR 35 PLASTIC PIPE FROM OLANCHA #1 & 2 FACTORY FLOOR DRAIN & TOWERWATER
SEPTIC TANK #4
PICNIC AREA
FIRE PUMP HOUSE
235,000 GAL. STORAGE TANK
PUMP STATION
SEWER LINE
EW-3 LANDSCAPE USE
WAREHOUSE BLDG.
ASPHALT PAVING
DIRT AREA
8" PVC WATER PIPE UNDER GROUND
ASPHALT PAVING
EMPLOYEE PARKING
BOTTLE FORMING ROOM
WAREHOUSE BLDG.
PALLET REPAIR
WAREHOUSE BLDG.
POWER POLE
0 10' 20' 30' 40' 50' 75' 100'
PROPERTY LINE
HWY. 395
Project:
CG ROXANE, OLANCHA, CA
Date: MAY 28, 2015
Drawn by: LIONEL FERCHAUD
Scale: 1/32" = 1'-0"
Sheet name:
LAYOUT OF WASTE WATER DISCHARGE SYSTEMS (NORTH)
Sheet N°
4
CG ROXANE LLC
1400 MARY"S DR
WEED, CA 96094
Phone: (530) 938-1831
E-Mail: L.Ferchaud@CGRoxane.com
Drawing N°: Olancha rejects 04012015.dwg

12" COLVERT

STANDBY DOMESTIC
WELL MONITORING
EW–6

MONITORING
WELL
DW–1

MONITORING
WELL
CGR–1

DOMESTIC WELL
CGR–3
OL–1

ONE PROPANE TANK

THREE PROPANE TANKS

SEPTIC TANK #3

12" PIPE

4" PIPE FROM TOWER

C.O.

ASPHALT PAVING

SEPTIC TANK #2

SEPTIC TANK #1

TRANSFORMER

CHEM. STORAGE CONTAINER

OIL STORAGE

FORK LIFT REPAIR

WASH PIT

WAREHOUSE

FIRE POND

BOTTLE FORMING ROOM

WAREHOUSE AREA

ASPHALT PAVING

WAREHOUSE AREA

GATE

HWY. 395

N

0 10' 20' 30' 40' 50' 75' 100'

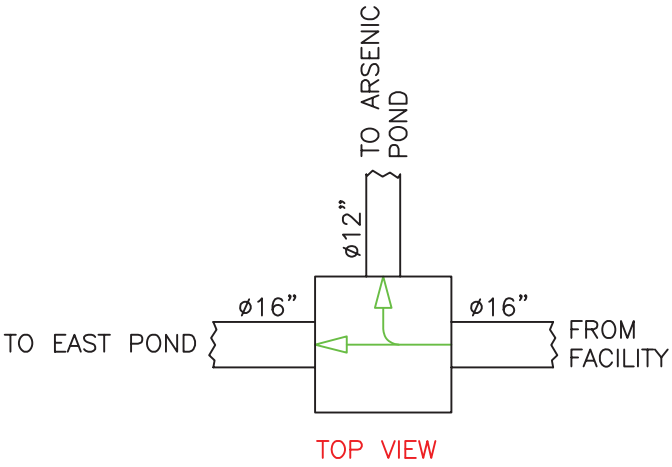
Project:
CG ROXANE, OLANCHA, CA

Date: MAY 28, 2015
Drawn by: LIONEL FERCHAUD
Scale: 1/32" = 1'–0"
Sheet name: LAYOUT OF WASTE WATER DISCHARGE SYSTEMS (SOUTH)
Sheet N° 5

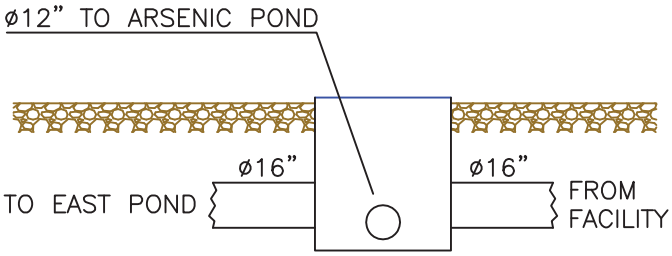
CG ROXANE LLC
1400 MARY'S DR
WEED, CA 96094
Phone: (530) 938–1831
E–Mail: L.Ferchaud@CGRoxane.com

Drawing N°: Olancha rejects 04012015.dwg

JUNCTION BOX AT THE ARSENIC POND



TOP VIEW



SIDE VIEW

SHEET 6

CG ROXANE, OLANCHA, CA

Geosyntec consultants

Figure 1
Typical Floor Trench Drain
CG Roxane, Olancha, California

Geosyntec consultants

Figure 2
Valve Distribution Box Exterior
CG Roxane, Olancha, California

Attachment A

Analytical Reports for Selected Wells

eurofins | Eaton Analytical
formerly MWH Laboratories

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
03/25/2013
EUROFINS EATON ANALYTICAL

DST: David S Tripp
Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 426757
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-010
Georgia	947	**Pennsylvania**	68-565
Guam	11-004r	**Rhode Island**	01114CA
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-11-2
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA110022	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

eurofins | Eaton Analytical
formerly MWH Laboratories

Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 426757
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **February 28, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201302280466	CGR1	02/27/2013 1235

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

eurofins | Eaton Analytical

CHAIN OF CUSTODY RECORD

4267567

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: ______

SAMPLES CHECKED AGAINST COC BY: AP
SAMPLES LOGGED IN BY: JS
SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:
☐ Colton / No. California / Arizona ______ °C (Compliance: 4 ± 2 °C)
☒ Monrovia 5.0 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen X Partially Frozen ___ Thawed ___ Wet Ice ___ No Ice ___

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: ______

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:

PROJECT CODE:

COMPLIANCE SAMPLES ☐ (check for yes)
- Requires state forms ☐

NON-COMPLIANCE SAMPLES ☐ (check for yes)
REGULATION INVOLVED: ______

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)

EEA CLIENT CODE:

COC ID:

SAMPLE GROUP:

SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), ***OR***

List ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	See bottle order														SAMPLER COMMENTS
2/27	1235	CGR1		RGW			X														

* **MATRIX TYPES:** **RSW** = Raw Surface Water, **RGW** = Raw Ground Water, **CFW** = Chlor(am)inated Finished Water, **FW** = Other Finished Water, **SEAW** = Sea Water, **WW** = Waste Water, **BW** = Bottled Water, **SW** = Storm Water, **SO** = Soil, **SL** = Sludge, **O** = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:					
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[signature]	A Tomson	EEA	2-28-13	1152

PAGE ___ OF ___

eurofins | Eaton Analytical
formerly MWH Laboratories

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (626) 386-1101

Kit Order for Crystal Geyser Roxane

David S Tripp is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 64038
Created By: DST
Order Date: 02/15/2013
Ship By: 02/05/2013
STG: Bottle Orders

Client ID: CRYSTAL-ROX
Project Code: CGR-OLANCHA Bottle Orders
Group Name: General Mineral & Bromide
PO#/JOB#:

Ship Sample Kits to
Crystal Geyser Roxane
1210 South Highway 395
Olancha, CA 93549

Attn: Manuel Luna - Shipping
Phone: 760-764-1822
Fax: 760-764-2861

Send Report to
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822
Fax: 760-764-2157

Billing Address
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Barbie Button
Phone: 760-764-2885
Fax: 760-764-2026

# of Samples	Tests	Bottles - Qty for each sample, type & preservative if a	UN DOT #
7	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant), Specific Conductance, Arsenic dissolved ICAP/MS, Turbidity	1 125ml poly no preservative	
1	@ICP, @ICPMS, Mercury	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
6	@ICP, @ICPMS, Mercury	1 500ml acid poly 2ml HNO3 (18%)	UN2031
7	Bromide by 300.1	1 60mL poly 0.60mL 5% EDA sol'n	
7	Surfactants	1 500ml poly no preservative	
7	Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

SHIPPING: Please deliver by Friday 02/15 - 7 separate kits.

LOGIN: Please make note when logging in that As and Br are for the low-level versions (0.2 & 2.0 ug/L respectively). GMMST22 includes pH, sodium, and Turbidity is added.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

From: (760) 764-2885
Manuel Luna
CG Roxane LLC
1210 s. hwy 395

Olancha, CA 93549

Origin ID: IYKA

FedEx Express

J13101212190326

Ship Date: 27FEB13
ActWgt: 10.0 LB
CAD: 7147219/INET3370

Delivery Address Bar Code

SHIP TO: (626) 386-1158

BILL SENDER

David
Eurofins Lab
750 ROYAL OAKS DR
STE 100
MONROVIA, CA 91016

Ref #
Invoice #
PO #
Dept #

THU - 28 FEB 3:00P
STANDARD OVERNIGHT

TRK# 7948 5263 1100
0201

92 WHPA

91016
CA-US
BUR

518G2/DCF8/93AB

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Laboratory Hits
Report: 426757

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
02/28/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201302280466	**CGR1**				
03/06/2013 13:46	Agressiveness Index-Calculated		12		None	0.1
03/05/2013 14:15	Alkalinity in CaCO3 units		97		mg/L	2
03/06/2013 09:02	Anion Sum - Calculated		2.6		meq/L	0.001
03/19/2013 16:53	Arsenic dissolved ICAP/MS		22		ug/L	1
03/13/2013 19:51	Arsenic Total ICAP/MS		22	10	ug/L	1
03/05/2013 13:14	Barium Total ICAP/MS		14	2000	ug/L	2
03/06/2013 13:46	Bicarb.Alkalinity as HCO3calc		120		mg/L	2
03/04/2013 15:14	Bromide by 300.1		18		ug/L	2
03/01/2013 21:47	Calcium Total ICAP		31		mg/L	1
03/04/2013 10:13	Cation Sum - Calculated		2.8		meq/L	0.001
02/28/2013 17:58	Chloride		3.8	250	mg/L	1
03/08/2013 04:30	Fluoride		0.61	4	mg/L	0.05
03/01/2013 21:47	Iron Total ICAP		0.080	0.3	mg/L	0.02
03/06/2013 13:49	Langelier Index - 25 degree		0.26		None	
03/06/2013 13:46	Langelier Index at 60 degrees C		0.71		None	
03/01/2013 21:47	Magnesium Total ICAP		3.6		mg/L	0.1
03/05/2013 14:15	PH (H3=past HT not compliant)		8.2		Units	0.1
03/23/2013 05:11	pH of CaCO3 saturation(25C)		7.9		Units	0.1
03/06/2013 13:46	pH of CaCO3 saturation(60C)		7.4		Units	0.1
03/01/2013 21:47	Potassium Total ICAP		2.5		mg/L	1
03/01/2013 21:47	Sodium Total ICAP		21		mg/L	1
03/05/2013 20:43	Specific Conductance, 25 C		270		umho/cm	2
02/28/2013 17:58	Sulfate		24	250	mg/L	0.5
03/04/2013 22:25	Total Dissolved Solids (TDS)		180	500	mg/L	10
03/04/2013 10:13	Total Hardness as CaCO3 by ICP (calc)		91		mg/L	3
03/05/2013 17:58	Turbidity		1.1	5	NTU	0.05

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 426757

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
02/28/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
CGR1 (201302280466)						**Sampled on 02/27/2013 1235**		
			EPA 200.8 - ICPMS Metals					
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Aluminum Total ICAP/MS	ND	ug/L	20	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/1/2013	03/19/2013	16:53 698752	(EPA 200.8)	Arsenic dissolved ICAP/MS	22	ug/L	1	1
3/1/2013	03/13/2013	19:51 697775	(EPA 200.8)	Arsenic Total ICAP/MS	22	ug/L	1	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Barium Total ICAP/MS	14	ug/L	2	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/1/2013	03/06/2013	18:45 696577	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/1/2013	03/05/2013	13:14 696259	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/1/2013	03/01/2013	21:47 695875	(EPA 200.7)	Calcium Total ICAP	31	mg/L	1	1
3/1/2013	03/01/2013	21:47 695875	(EPA 200.7)	Iron Total ICAP	0.080	mg/L	0.02	1
3/1/2013	03/01/2013	21:47 695875	(EPA 200.7)	Magnesium Total ICAP	3.6	mg/L	0.1	1
3/1/2013	03/01/2013	21:47 695875	(EPA 200.7)	Potassium Total ICAP	2.5	mg/L	1	1
3/1/2013	03/01/2013	21:47 695875	(EPA 200.7)	Sodium Total ICAP	21	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/6/2013	03/07/2013	15:31 697066	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/06/2013	13:46	(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/06/2013	13:46	(SM 2330B)	pH of CaCO3 saturation(60C)	7.4	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/06/2013	13:46	(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/06/2013	13:49	(SM 2330B)	Langelier Index - 25 degree	0.26	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/06/2013	13:49	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 426757

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
02/28/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/04/2013	10:13	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	91	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/06/2013	09:02	(SM 1030E)	Anion Sum - Calculated	2.6	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/04/2013	10:13	(SM 1030E)	Cation Sum - Calculated	2.8	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/23/2013	05:11	(SM 2330B)	pH of CaCO3 saturation(25C)	7.9	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/06/2013	13:46	(SM2330B)	Bicarb.Alkalinity as HCO3calc	120	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/06/2013	13:46	(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/06/2013	13:46	(SM 2330B)	Langelier Index at 60 degrees C	0.71	None		1
			SM 1030E - Cation/Anion Difference					
	03/23/2013	05:11	(SM 1030E)	Cation/Anion Difference	3.7	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	02/28/2013	17:58 695719	(EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/L	0.1	1
	02/28/2013	17:58 695719	(EPA 300.0)	Nitrate as NO3 (calc)	ND	mg/L	0.44	1
	02/28/2013	17:58 695719	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	02/28/2013	17:58 695719	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	ND	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/04/2013	15:14 694759	(EPA 300.1)	Bromide by 300.1	18	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	02/28/2013	17:58 695844	(EPA 300.0)	Chloride	3.8	mg/L	1	1
	02/28/2013	17:58 695844	(EPA 300.0)	Sulfate	24	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/08/2013	04:30 697074	(SM 4500F-C)	Fluoride	0.61	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/05/2013	14:15 696338	(SM 2320B)	Alkalinity in CaCO3 units	97	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/4/2013	03/04/2013	22:25 696116	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	180	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/05/2013	14:15 696471	(SM4500-HB)	PH (H3=past HT not compliant)	8.2	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	02/28/2013	14:22 695768	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 426757

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
02/28/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/05/2013 17:58	696465	(EPA 180.1)	Turbidity	1.1 (H1)	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/05/2013 20:43	696472	(SM2510B)	Specific Conductance, 25 C	270	umho/cm	2	1

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Laboratory Comments
Report: 426757

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Flags Legend:

H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 694759 - Disinfection ByProducts by 300.1		**Analysis Date: 03/04/2013**
201302280466	CGR1	Analyzed by: TLH
QC Ref # 695719 - Nitrate, Nitrite by EPA 300.0		**Analysis Date: 02/28/2013**
201302280466	CGR1	Analyzed by: CYP
QC Ref # 695768 - Surfactants		**Analysis Date: 02/28/2013**
201302280466	CGR1	Analyzed by: ADV
QC Ref # 695844 - Chloride, Sulfate by EPA 300.0		**Analysis Date: 02/28/2013**
201302280466	CGR1	Analyzed by: CYP
QC Ref # 695875 - ICP Metals		**Analysis Date: 03/01/2013**
201302280466	CGR1	Analyzed by: NINA
QC Ref # 696116 - Total Dissolved Solids (TDS)		**Analysis Date: 03/04/2013**
201302280466	CGR1	Analyzed by: JRF
QC Ref # 696259 - ICPMS Metals		**Analysis Date: 03/05/2013**
201302280466	CGR1	Analyzed by: DTN
QC Ref # 696338 - Alkalinity in CaCO3 units		**Analysis Date: 03/05/2013**
201302280466	CGR1	Analyzed by: JMO
QC Ref # 696465 - Turbidity		**Analysis Date: 03/05/2013**
201302280466	CGR1	Analyzed by: ADV
QC Ref # 696471 - PH (H3=past HT not compliant)		**Analysis Date: 03/05/2013**
201302280466	CGR1	Analyzed by: JMO
QC Ref # 696472 - Specific Conductance		**Analysis Date: 03/05/2013**
201302280466	CGR1	Analyzed by: JMO
QC Ref # 696577 - ICPMS Metals		**Analysis Date: 03/06/2013**
201302280466	CGR1	Analyzed by: RPD
QC Ref # 697066 - Mercury Total		**Analysis Date: 03/07/2013**
201302280466	CGR1	Analyzed by: MXT
QC Ref # 697074 - Fluoride		**Analysis Date: 03/08/2013**
201302280466	CGR1	Analyzed by: MXT
QC Ref # 697775 - ICPMS Metals		**Analysis Date: 03/13/2013**
201302280466	CGR1	Analyzed by: SXK
QC Ref # 698752 - ICPMS Metals		**Analysis Date: 03/19/2013**
201302280466	CGR1	Analyzed by: SXK

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Laboratory QC
Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 694759 - Disinfection ByProducts by 300.1 by EPA 300.1						**Analysis Date: 03/04/2013**			
LCS1	Bromide by 300.1		10	9.58	ug/L	96	(90-110)		
LCS2	Bromide by 300.1		10	9.30	ug/L	93	(90-110)	20	3.0
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	2.54	ug/L	127	(50-150)		
MS_201302160011	Bromide by 300.1	69.5463	10	78.8	ug/L	93	(85-115)		
MSD_201302160011	Bromide by 300.1	69.5463	10	79.0	ug/L	94	(85-115)	20	0.25
QC Ref# 695719 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 02/28/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.38	mg/L	95	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.39	mg/L	96	(90-110)	20	0.42
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0475	mg/L	95	(50-150)		
MS_201302280470	Nitrate as Nitrogen by IC	ND	1.3	1.20	mg/L	96	(80-120)		
MS_201303010129	Nitrate as Nitrogen by IC	0.37	1.3	1.59	mg/L	98	(80-120)		
MSD_201302280470	Nitrate as Nitrogen by IC	ND	1.3	1.21	mg/L	97	(80-120)	20	0.83
MSD_201303010129	Nitrate as Nitrogen by IC	0.37	1.3	1.59	mg/L	98	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.942	mg/L	94	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.946	mg/L	95	(90-110)	20	0.42
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0490	mg/L	98	(50-150)		
MS_201302280470	Nitrite Nitrogen by IC	ND	0.5	0.475	mg/L	95	(80-120)		
MS_201303010129	Nitrite Nitrogen by IC	ND	0.5	0.489	mg/L	98	(80-120)		
MSD_201303010129	Nitrite Nitrogen by IC	ND	0.5	0.489	mg/L	98	(80-120)	20	0.0
MSD_201302280470	Nitrite Nitrogen by IC	ND	0.5	0.477	mg/L	95	(80-120)	20	0.42
QC Ref# 695768 - Surfactants by SM 5540C/EPA 425.1						**Analysis Date: 02/28/2013**			
LCS1	Surfactants		0.2	0.186	mg/L	93	(90-110)		
LCS2	Surfactants		0.2	0.189	mg/L	95	(90-110)	20	1.6
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0372	mg/L	74	(50-150)		
MS_201302270102	Surfactants	ND	0.2	0.172	mg/L	86	(80-120)		
MSD_201302270102	Surfactants	ND	0.2	0.180	mg/L	90	(80-120)	20	4.5
QC Ref# 695844 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 02/28/2013**			
LCS1	Chloride		25	25.4	mg/L	102	(90-110)		
LCS2	Chloride		25	25.4	mg/L	101	(90-110)	20	0.0
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.416	mg/L	83	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201302280470	Chloride	13	13	26.6	mg/L	108	(80-120)		
MS_201303010129	Chloride	1.8	13	14.9	mg/L	105	(80-120)		
MSD_201302280470	Chloride	13	13	26.7	mg/L	108	(80-120)	20	0.38
MSD_201303010129	Chloride	1.8	13	14.9	mg/L	105	(80-120)	20	0.0
LCS1	Sulfate		50	50.3	mg/L	101	(90-110)		
LCS2	Sulfate		50	50.4	mg/L	101	(90-110)	20	0.20
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.942	mg/L	94	(50-150)		
MRLLW	Sulfate		0.25	0.242	mg/L	97	(50-150)		
MS_201302280470	Sulfate	ND	25	25.8	mg/L	103	(80-120)		
MS_201303010129	Sulfate	2.6	25	28.4	mg/L	103	(80-120)		
MSD_201302280470	Sulfate	ND	25	26.0	mg/L	103	(80-120)	20	0.77
MSD_201303010129	Sulfate	2.6	25	28.4	mg/L	103	(80-120)	20	0.0
QC Ref# 695875 - ICP Metals by EPA 200.7						**Analysis Date: 03/01/2013**			
LCS1	Calcium Total ICAP		50	48.4	mg/L	97	(85-115)		
LCS2	Calcium Total ICAP		50	48.7	mg/L	97	(85-115)	20	0.62
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	1.01	mg/L	101	(50-150)		
MS_201302270107	Calcium Total ICAP	ND	50	49.1	mg/L	98	(70-130)		
MS2_201303010050	Calcium Total ICAP	21	50	68.0	mg/L	94	(70-130)		
MSD_201302270107	Calcium Total ICAP	ND	50	47.4	mg/L	95	(70-130)	20	3.5
MSD2_201303010050	Calcium Total ICAP	21	50	69.6	mg/L	97	(70-130)	20	2.3
LCS1	Iron Total ICAP		5.0	4.93	mg/L	99	(85-115)		
LCS2	Iron Total ICAP		5.0	4.98	mg/L	100	(85-115)	20	1.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0234	mg/L	117	(50-150)		
MS_201302270107	Iron Total ICAP	ND	5.0	5.05	mg/L	101	(70-130)		
MS2_201303010050	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)		
MSD_201302270107	Iron Total ICAP	ND	5.0	4.85	mg/L	97	(70-130)	20	4.0
MSD2_201303010050	Iron Total ICAP	ND	5.0	5.02	mg/L	100	(70-130)	20	2.6
LCS1	Magnesium Total ICAP		20	21.2	mg/L	106	(85-115)		
LCS2	Magnesium Total ICAP		20	21.3	mg/L	107	(85-115)	20	0.47
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.106	mg/L	106	(50-150)		
MS_201302270107	Magnesium Total ICAP	3.4	20	24.8	mg/L	107	(70-130)		
MS2_201303010050	Magnesium Total ICAP	8.8	20	29.3	mg/L	102	(70-130)		
MSD_201302270107	Magnesium Total ICAP	3.4	20	23.9	mg/L	102	(70-130)	20	4.1
MSD2_201303010050	Magnesium Total ICAP	8.8	20	30.0	mg/L	106	(70-130)	20	2.4

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.9	mg/L	99	(85-115)	20	0.50
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	1.09	mg/L	109	(50-150)		
MS_201302270107	Potassium Total ICAP	3.4	20	23.4	mg/L	100	(70-130)		
MS2_201303010050	Potassium Total ICAP	3.4	20	22.7	mg/L	96	(70-130)		
MSD_201302270107	Potassium Total ICAP	3.4	20	22.6	mg/L	96	(70-130)	20	3.5
MSD2_201303010050	Potassium Total ICAP	3.4	20	23.0	mg/L	98	(70-130)	20	1.3
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)	20	0.0
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.01	mg/L	101	(50-150)		
MS_201302270107	Sodium Total ICAP	3.8	50	55.4	mg/L	103	(70-130)		
MS2_201303010050	Sodium Total ICAP	50	50	96.8	mg/L	93	(70-130)		
MSD_201302270107	Sodium Total ICAP	3.8	50	53.3	mg/L	99	(70-130)	20	3.9
MSD2_201303010050	Sodium Total ICAP	50	50	98.4	mg/L	97	(70-130)	20	1.6
QC Ref# 696116 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/04/2013**			
DUP_201302270269	Total Dissolved Solid (TDS)	350		348	mg/L		(0-20)	20	1.7
DUP_201302280035	Total Dissolved Solid (TDS)	770		762	mg/L		(0-20)	20	0.52
LCS1	Total Dissolved Solid (TDS)		175	184	mg/L	105	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	706	mg/L	101	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	10.0	mg/L	100	(50-150)		
QC Ref# 696259 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/05/2013**			
LCS1	Aluminum Total ICAP/MS		200	211	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	212	ug/L	106	(85-115)	20	0.47
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	18.8	ug/L	94	(50-150)		
MS_201302280346	Aluminum Total ICAP/MS	ND	200	184	ug/L	90	(70-130)		
MS2_201302280470	Aluminum Total ICAP/MS	ND	200	206	ug/L	101	(70-130)		
MSD_201302280346	Aluminum Total ICAP/MS	ND	200	181	ug/L	88	(70-130)	20	1.6
MSD2_201302280470	Aluminum Total ICAP/MS	ND	200	199	ug/L	97	(70-130)	20	3.5
LCS1	Antimony Total ICAP/MS		50	52.9	ug/L	106	(85-115)		
LCS2	Antimony Total ICAP/MS		50	53.1	ug/L	106	(85-115)	20	0.38
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	0.974	ug/L	97	(50-150)		
MS_201302280346	Antimony Total ICAP/MS	ND	50	50.6	ug/L	101	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201302280470	Antimony Total ICAP/MS	ND	50	50.9	ug/L	102	(70-130)		
MSD_201302280346	Antimony Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)	20	1.8
MSD2_201302280470	Antimony Total ICAP/MS	ND	50	51.7	ug/L	103	(70-130)	20	1.6
LCS1	Arsenic Total ICAP/MS		20	21.0	ug/L	105	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.3	ug/L	107	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.912	ug/L	91	(50-150)		
MS_201302280346	Arsenic Total ICAP/MS	3.0	20	23.6	ug/L	103	(70-130)		
MS2_201302280470	Arsenic Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)		
MSD_201302280346	Arsenic Total ICAP/MS	3.0	20	23.5	ug/L	102	(70-130)	20	0.43
MSD2_201302280470	Arsenic Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)	20	1.5
LCS1	Barium Total ICAP/MS		100	105	ug/L	105	(85-115)		
LCS2	Barium Total ICAP/MS		100	106	ug/L	106	(85-115)	20	0.95
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.03	ug/L	102	(50-150)		
MS_201302280346	Barium Total ICAP/MS	19	100	116	ug/L	97	(70-130)		
MS2_201302280470	Barium Total ICAP/MS	65	100	166	ug/L	101	(70-130)		
MSD_201302280346	Barium Total ICAP/MS	19	100	114	ug/L	95	(70-130)	20	1.7
MSD2_201302280470	Barium Total ICAP/MS	65	100	168	ug/L	103	(70-130)	20	1.2
LCS1	Beryllium Total ICAP/MS		5.0	5.27	ug/L	105	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.39	ug/L	108	(85-115)	20	2.3
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.998	ug/L	100	(50-150)		
MS_201302280346	Beryllium Total ICAP/MS	ND	5.0	5.23	ug/L	105	(70-130)		
MS2_201302280470	Beryllium Total ICAP/MS	ND	5.0	5.32	ug/L	106	(70-130)		
MSD_201302280346	Beryllium Total ICAP/MS	ND	5.0	5.24	ug/L	105	(70-130)	20	0.19
MSD2_201302280470	Beryllium Total ICAP/MS	ND	5.0	5.36	ug/L	107	(70-130)	20	0.75
LCS1	Cadmium Total ICAP/MS		20	21.1	ug/L	106	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	21.1	ug/L	105	(85-115)	20	0.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.507	ug/L	101	(50-150)		
MS_201302280346	Cadmium Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201302280470	Cadmium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201302280346	Cadmium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	1.0
MSD2_201302280470	Cadmium Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)	20	2.4
LCS1	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)		
LCS2	Chromium Total ICAP/MS		100	105	ug/L	105	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Chromium Total ICAP/MS		1.0	1.06	ug/L	106	(50-150)		
MS_201302280346	Chromium Total ICAP/MS	ND	100	92.5	ug/L	92	(70-130)		
MS2_201302280470	Chromium Total ICAP/MS	ND	100	96.6	ug/L	96	(70-130)		
MSD_201302280346	Chromium Total ICAP/MS	ND	100	91.9	ug/L	92	(70-130)	20	0.65
MSD2_201302280470	Chromium Total ICAP/MS	ND	100	97.3	ug/L	97	(70-130)	20	0.72
LCS1	Copper Total ICAP/MS		100	105	ug/L	105	(85-115)		
LCS2	Copper Total ICAP/MS		100	107	ug/L	107	(85-115)	20	1.9
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.10	ug/L	105	(50-150)		
MS_201302280346	Copper Total ICAP/MS	ND	100	91.5	ug/L	90	(70-130)		
MS2_201302280470	Copper Total ICAP/MS	ND	100	97.2	ug/L	97	(70-130)		
MSD_201302280346	Copper Total ICAP/MS	ND	100	90.9	ug/L	89	(70-130)	20	0.66
MSD2_201302280470	Copper Total ICAP/MS	ND	100	97.6	ug/L	98	(70-130)	20	0.41
LCS1	Lead Total ICAP/MS		20	20.9	ug/L	105	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.0	ug/L	105	(85-115)	20	0.48
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.511	ug/L	102	(50-150)		
MS_201302280346	Lead Total ICAP/MS	ND	20	19.4	ug/L	96	(70-130)		
MS2_201302280470	Lead Total ICAP/MS	ND	20	19.6	ug/L	97	(70-130)		
MSD_201302280346	Lead Total ICAP/MS	ND	20	19.0	ug/L	94	(70-130)	20	2.1
MSD2_201302280470	Lead Total ICAP/MS	ND	20	19.9	ug/L	99	(70-130)	20	1.5
LCS1	Manganese Total ICAP/MS		50	51.6	ug/L	103	(85-115)		
LCS2	Manganese Total ICAP/MS		50	52.0	ug/L	104	(85-115)	20	0.77
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.98	ug/L	99	(50-150)		
MS_201302280346	Manganese Total ICAP/MS	6.303	50	51.7	ug/L	91	(70-130)		
MS2_201302280470	Manganese Total ICAP/MS	ND	50	47.8	ug/L	95	(70-130)		
MSD_201302280346	Manganese Total ICAP/MS	6.303	50	51.5	ug/L	91	(70-130)	20	0.39
MSD2_201302280470	Manganese Total ICAP/MS	ND	50	48.3	ug/L	96	(70-130)	20	1.0
LCS1	Nickel Total ICAP/MS		50	53.6	ug/L	107	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.9	ug/L	108	(85-115)	20	0.56
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.20	ug/L	104	(50-150)		
MS_201302280346	Nickel Total ICAP/MS	ND	50	48.9	ug/L	90	(70-130)		
MS2_201302280470	Nickel Total ICAP/MS	ND	50	48.4	ug/L	97	(70-130)		
MSD_201302280346	Nickel Total ICAP/MS	ND	50	49.6	ug/L	91	(70-130)	20	1.4
MSD2_201302280470	Nickel Total ICAP/MS	ND	50	49.2	ug/L	98	(70-130)	20	1.6
LCS1	Selenium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Selenium Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	2.9
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	4.97	ug/L	99	(50-150)		
MS_201302280346	Selenium Total ICAP/MS	ND	20	23.0	ug/L	104	(70-130)		
MS2_201302280470	Selenium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)		
MSD_201302280346	Selenium Total ICAP/MS	ND	20	23.3	ug/L	105	(70-130)	20	1.3
MSD2_201302280470	Selenium Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)	20	1.9
LCS1	Thallium Total ICAP/MS		20	20.0	ug/L	100	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.0	ug/L	100	(85-115)	20	0.0
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	0.996	ug/L	100	(50-150)		
MS_201302280346	Thallium Total ICAP/MS	ND	20	18.8	ug/L	93	(70-130)		
MS2_201302280470	Thallium Total ICAP/MS	ND	20	18.7	ug/L	93	(70-130)		
MSD_201302280346	Thallium Total ICAP/MS	ND	20	18.3	ug/L	91	(70-130)	20	2.7
MSD2_201302280470	Thallium Total ICAP/MS	ND	20	18.7	ug/L	93	(70-130)	20	0.0
LCS1	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	0.0
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	19.9	ug/L	99	(50-150)		
MS_201302280346	Zinc Total ICAP/MS	659.9	100	770	ug/L	110	(70-130)		
MS2_201302280470	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)		
MSD_201302280346	Zinc Total ICAP/MS	659.9	100	768	ug/L	109	(70-130)	20	0.26
MSD2_201302280470	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	0.0
QC Ref# 696338 - Alkalinity in CaCO3 units by SM 2320B						**Analysis Date: 03/05/2013**			
LCS1	Alkalinity in CaCO3 units		100	98.1	mg/L	98	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	98.7	mg/L	99	(90-110)	20	0.61
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	2.02	mg/L	101	(50-150)		
MS_201302280047	Alkalinity in CaCO3 units	5.1	100	103	mg/L	98	(80-120)		
MS_201302270406	Alkalinity in CaCO3 units	170	100	264	mg/L	90	(80-120)		
MSD_201302270406	Alkalinity in CaCO3 units	170	100	260	mg/L	86	(80-120)	20	1.5
MSD_201302280047	Alkalinity in CaCO3 units	5.1	100	103	mg/L	98	(80-120)	20	0.0
QC Ref# 696465 - Turbidity by EPA 180.1						**Analysis Date: 03/05/2013**			
DUP1_201303040248	Turbidity	0.12		0.111	NTU		(0-20)	20	4.4
DUP2_201303040138	Turbidity	0.15		0.150	NTU		(0-20)	20	0.0
LCS1	Turbidity		20	20.0	NTU	100	(90-110)		
LCS2	Turbidity		20	19.9	NTU	100	(90-110)	20	0.50

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0690	NTU	138	(50-150)		
QC Ref# 696471 - PH (H3=past HT not compliant) by SM4500-HB						**Analysis Date: 03/05/2013**			
DUP_201302260359	PH (H3=past HT not compliant)	8.0		8.00	Units		(0-20)	20	0.25
DUP2_201302270402	PH (H3=past HT not compliant)	7.6		7.58	Units		(0-20)	20	0.26
LCS1	PH (H3=past HT not compliant)		6.0	6.02	Units	100	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.03	Units	101	(98-102)	20	0.17
QC Ref# 696472 - Specific Conductance by SM2510B						**Analysis Date: 03/05/2013**			
DUP1_201303040211	Specific Conductance	640		637	umho/cm		(0-20)	20	0.22
DUP2_201302270406	Specific Conductance	980		984	umho/cm		(0-20)	20	0.0
LCS1	Specific Conductance		1000	1010	umho/cm	101	(95-105)		
LCS2	Specific Conductance		1000	1010	umho/cm	101	(95-105)	20	0.0
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	2.30	umho/cm	115	(50-150)		
QC Ref# 696577 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/06/2013**			
LCS1	Silver Total ICAP/MS		50	49.7	ug/L	99	(85-115)		
LCS2	Silver Total ICAP/MS		50	48.5	ug/L	97	(85-115)	20	2.4
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.483	ug/L	97	(50-150)		
MS_201303010108	Silver Total ICAP/MS	ND	50	47.7	ug/L	95	(70-130)		
MS2_201303010127	Silver Total ICAP/MS	ND	50	48.7	ug/L	98	(70-130)		
MSD_201303010108	Silver Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)	20	0.21
MSD2_201303010127	Silver Total ICAP/MS	ND	50	48.3	ug/L	97	(70-130)	20	0.83
QC Ref# 697066 - Mercury Total by EPA 245.1						**Analysis Date: 03/07/2013**			
LCS1	Mercury		1.5	1.61	ug/L	108	(85-115)		
LCS2	Mercury		1.5	1.55	ug/L	103	(85-115)	20	3.8
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.198	ug/L	99	(50-150)		
MS_201302270271	Mercury	ND	1.5	1.65	ug/L	110	(70-130)		
MS_201302280048	Mercury	ND	1.5	1.68	ug/L	112	(70-130)		
MSD_201302280048	Mercury	ND	1.5	1.64	ug/L	109	(70-130)	20	2.4
MSD_201302270271	Mercury	ND	1.5	1.69	ug/L	113	(70-130)	20	2.4
QC Ref# 697074 - Fluoride by SM 4500F-C						**Analysis Date: 03/08/2013**			
LCS1	Fluoride		1.0	1.11	mg/L	111	(81-116)		
LCS2	Fluoride		1.0	1.12	mg/L	112	(81-116)	20	0.90
MBLK	Fluoride			<0.05	mg/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Fluoride		0.05	0.0574	mg/L	115	(50-150)		
MS_201302270102	Fluoride	ND	1.0	1.17	mg/L	117	(73-124)		
MS2_201302280470	Fluoride	0.20	1.0	1.32	mg/L	112	(73-124)		
MSD_201302270102	Fluoride	ND	1.0	1.13	mg/L	113	(73-124)	20	3.5
MSD2_201302280470	Fluoride	0.20	1.0	1.33	mg/L	113	(73-124)	20	0.76
QC Ref# 697775 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/13/2013**			
LCS1	Aluminum Total ICAP/MS		200	209	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	210	ug/L	105	(85-115)	20	0.48
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.3	ug/L	102	(50-150)		
MS_201302280152	Aluminum Total ICAP/MS	ND	200	189	ug/L	94	(70-130)		
MS2_201303060390	Aluminum Total ICAP/MS	ND	200	190	ug/L	95	(70-130)		
MSD_201302280152	Aluminum Total ICAP/MS	ND	200	190	ug/L	94	(70-130)	20	0.53
MSD2_201303060390	Aluminum Total ICAP/MS	ND	200	194	ug/L	97	(70-130)	20	2.1
LCS1	Antimony Total ICAP/MS		50	51.2	ug/L	102	(85-115)		
LCS2	Antimony Total ICAP/MS		50	51.6	ug/L	103	(85-115)	20	0.78
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	0.980	ug/L	98	(50-150)		
MS_201302280152	Antimony Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)		
MS2_201303060390	Antimony Total ICAP/MS	ND	50	50.7	ug/L	101	(70-130)		
MSD_201302280152	Antimony Total ICAP/MS	ND	50	48.7	ug/L	97	(70-130)	20	1.9
MSD2_201303060390	Antimony Total ICAP/MS	ND	50	51.1	ug/L	102	(70-130)	20	0.79
LCS1	Arsenic Total ICAP/MS		20	20.5	ug/L	103	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.5	ug/L	103	(85-115)	20	0.0
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.862	ug/L	86	(50-150)		
MS_201302280152	Arsenic Total ICAP/MS	ND	20	19.9	ug/L	99	(70-130)		
MS2_201303060390	Arsenic Total ICAP/MS	2.9	20	22.3	ug/L	97	(70-130)		
MSD_201302280152	Arsenic Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)	20	1.0
MSD2_201303060390	Arsenic Total ICAP/MS	2.9	20	22.6	ug/L	98	(70-130)	20	1.3
LCS1	Barium Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Barium Total ICAP/MS		100	105	ug/L	105	(85-115)	20	1.9
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.21	ug/L	110	(50-150)		
MS_201302280152	Barium Total ICAP/MS	170	100	267	ug/L	96	(70-130)		
MS2_201303060390	Barium Total ICAP/MS	36	100	137	ug/L	101	(70-130)		
MSD_201302280152	Barium Total ICAP/MS	170	100	269	ug/L	98	(70-130)	20	0.75
MSD2_201303060390	Barium Total ICAP/MS	36	100	137	ug/L	101	(70-130)	20	0.0

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Beryllium Total ICAP/MS		5.0	5.16	ug/L	103	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.10	ug/L	102	(85-115)	20	0.97
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.00	ug/L	100	(50-150)		
MS_201302280152	Beryllium Total ICAP/MS	ND	5.0	5.37	ug/L	107	(70-130)		
MS2_201303060390	Beryllium Total ICAP/MS	ND	5.0	5.40	ug/L	108	(70-130)		
MSD_201302280152	Beryllium Total ICAP/MS	ND	5.0	5.36	ug/L	107	(70-130)	20	0.19
MSD2_201303060390	Beryllium Total ICAP/MS	ND	5.0	5.54	ug/L	111	(70-130)	20	2.6
LCS1	Cadmium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	0.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.536	ug/L	107	(50-150)		
MS_201302280152	Cadmium Total ICAP/MS	ND	20	18.7	ug/L	94	(70-130)		
MS2_201303060390	Cadmium Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MSD_201302280152	Cadmium Total ICAP/MS	ND	20	18.8	ug/L	94	(70-130)	20	1.1
MSD2_201303060390	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	98	(70-130)	20	1.0
LCS1	Chromium Total ICAP/MS		100	104	ug/L	103	(85-115)		
LCS2	Chromium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.06	ug/L	106	(50-150)		
MS_201302280152	Chromium Total ICAP/MS	2.9	100	99.3	ug/L	96	(70-130)		
MS2_201303060390	Chromium Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)		
MSD_201302280152	Chromium Total ICAP/MS	2.9	100	99.8	ug/L	97	(70-130)	20	0.50
MSD2_201303060390	Chromium Total ICAP/MS	ND	100	96.6	ug/L	96	(70-130)	20	1.5
LCS1	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.0
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	1.95	ug/L	98	(50-150)		
MS_201302280152	Copper Total ICAP/MS	7.1	100	102	ug/L	95	(70-130)		
MS2_201303060390	Copper Total ICAP/MS	12.51	100	105	ug/L	93	(70-130)		
MSD_201302280152	Copper Total ICAP/MS	7.1	100	103	ug/L	96	(70-130)	20	0.98
MSD2_201303060390	Copper Total ICAP/MS	12.51	100	107	ug/L	95	(70-130)	20	1.9
LCS1	Lead Total ICAP/MS		20	21.0	ug/L	105	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.5	ug/L	103	(85-115)	20	2.4
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.512	ug/L	102	(50-150)		
MS_201302280152	Lead Total ICAP/MS	0.70	20	20.2	ug/L	98	(70-130)		
MS2_201303060390	Lead Total ICAP/MS	ND	20	19.6	ug/L	97	(70-130)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201302280152	Lead Total ICAP/MS	0.70	20	20.3	ug/L	98	(70-130)	20	0.49
MSD2_201303060390	Lead Total ICAP/MS	ND	20	19.8	ug/L	98	(70-130)	20	1.0
LCS1	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.1	ug/L	100	(85-115)	20	0.20
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.95	ug/L	98	(50-150)		
MS_201302280152	Manganese Total ICAP/MS	ND	50	46.5	ug/L	93	(70-130)		
MS2_201303060390	Manganese Total ICAP/MS	ND	50	45.4	ug/L	91	(70-130)		
MSD_201302280152	Manganese Total ICAP/MS	ND	50	46.8	ug/L	94	(70-130)	20	0.64
MSD2_201303060390	Manganese Total ICAP/MS	ND	50	46.4	ug/L	93	(70-130)	20	2.2
LCS1	Nickel Total ICAP/MS		50	51.8	ug/L	104	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.4	ug/L	103	(85-115)	20	0.78
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.17	ug/L	103	(50-150)		
MS_201302280152	Nickel Total ICAP/MS	ND	50	50.6	ug/L	93	(70-130)		
MS2_201303060390	Nickel Total ICAP/MS	ND	50	47.2	ug/L	92	(70-130)		
MSD_201302280152	Nickel Total ICAP/MS	ND	50	50.8	ug/L	93	(70-130)	20	0.39
MSD2_201303060390	Nickel Total ICAP/MS	ND	50	47.7	ug/L	93	(70-130)	20	1.1
LCS1	Selenium Total ICAP/MS		20	20.7	ug/L	104	(85-115)		
LCS2	Selenium Total ICAP/MS		20	20.8	ug/L	104	(85-115)	20	0.96
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	4.84	ug/L	97	(50-150)		
MS_201302280152	Selenium Total ICAP/MS	ND	20	20.7	ug/L	102	(70-130)		
MS2_201303060390	Selenium Total ICAP/MS	ND	20	20.8	ug/L	90	(70-130)		
MSD_201302280152	Selenium Total ICAP/MS	ND	20	20.8	ug/L	102	(70-130)	20	0.48
MSD2_201303060390	Selenium Total ICAP/MS	ND	20	21.3	ug/L	92	(70-130)	20	2.4
LCS1	Thallium Total ICAP/MS		20	20.7	ug/L	104	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	0.48
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.10	ug/L	110	(50-150)		
MS_201302280152	Thallium Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201303060390	Thallium Total ICAP/MS	ND	20	9.38	ug/L	**47**	(70-130)		
MSD_201302280152	Thallium Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	0.0
MSD2_201303060390	Thallium Total ICAP/MS	ND	20	9.79	ug/L	**49**	(70-130)	20	4.3
LCS1	Zinc Total ICAP/MS		100	101	ug/L	101	(85-115)		
LCS2	Zinc Total ICAP/MS		100	101	ug/L	101	(85-115)	20	0.0
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	20.2	ug/L	101	(50-150)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201302280152	Zinc Total ICAP/MS	27	100	122	ug/L	95	(70-130)		
MS2_201303060390	Zinc Total ICAP/MS	46.66	100	141	ug/L	94	(70-130)		
MSD_201302280152	Zinc Total ICAP/MS	27	100	123	ug/L	96	(70-130)	20	0.82
MSD2_201303060390	Zinc Total ICAP/MS	46.66	100	143	ug/L	96	(70-130)	20	1.4
QC Ref# 698752 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/19/2013**			
LCS1	Aluminum Total ICAP/MS		200	211	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	206	ug/L	103	(85-115)	20	2.4
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	21.3	ug/L	106	(50-150)		
MS_201303140161	Aluminum Total ICAP/MS	ND	200	195	ug/L	97	(70-130)		
MS2_201303150127	Aluminum Total ICAP/MS	ND	200	199	ug/L	99	(70-130)		
MSD_201303140161	Aluminum Total ICAP/MS	ND	200	191	ug/L	96	(70-130)	20	2.1
MSD2_201303150127	Aluminum Total ICAP/MS	ND	200	193	ug/L	96	(70-130)	20	3.1
LCS1	Antimony Total ICAP/MS		50	55.5	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	55.1	ug/L	110	(85-115)	20	0.72
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.14	ug/L	114	(50-150)		
MS_201303140161	Antimony Total ICAP/MS	ND	50	52.9	ug/L	105	(70-130)		
MS2_201303150127	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)		
MSD_201303140161	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)	20	0.38
MSD2_201303150127	Antimony Total ICAP/MS	ND	50	52.2	ug/L	104	(70-130)	20	0.95
LCS1	Arsenic dissolved ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic dissolved ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Arsenic Total ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)	20	0.0
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.24	ug/L	112	(50-150)		
MS_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)		
MS2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)	20	0.0
MSD2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	106	(70-130)	20	0.0
LCS1	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)	20	0.0
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303140161	Beryllium Total ICAP/MS	ND	5.0	5.00	ug/L	100	(70-130)		
MS2_201303150127	Beryllium Total ICAP/MS	ND	5.0	5.22	ug/L	104	(70-130)		
MSD_201303140161	Beryllium Total ICAP/MS	ND	5.0	4.99	ug/L	100	(70-130)	20	0.20
MSD2_201303150127	Beryllium Total ICAP/MS	ND	5.0	4.90	ug/L	98	(70-130)	20	6.3
LCS1	Cadmium Total ICAP/MS		20	21.9	ug/L	110	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	22.2	ug/L	111	(85-115)	20	1.4
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.529	ug/L	106	(50-150)		
MS_201303140161	Cadmium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)		
MS2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Cadmium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.96
MSD2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	105	(70-130)	20	0.0
LCS1	Chromium Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.20	ug/L	120	(50-150)		
MS_201303140161	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303150127	Chromium Total ICAP/MS	ND	100	103	ug/L	103	(70-130)		
MSD_201303140161	Chromium Total ICAP/MS	ND	100	99.4	ug/L	99	(70-130)	20	1.6
MSD2_201303150127	Chromium Total ICAP/MS	ND	100	99.9	ug/L	100	(70-130)	20	3.1
LCS1	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.25	ug/L	113	(50-150)		
MS_201303140161	Copper Total ICAP/MS	ND	100	99.2	ug/L	99	(70-130)		
MS2_201303150127	Copper Total ICAP/MS	ND	100	104	ug/L	104	(70-130)		
MSD_201303140161	Copper Total ICAP/MS	ND	100	96.8	ug/L	97	(70-130)	20	2.5

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory QC
Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303150127	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)	20	2.9
LCS1	Lead Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.91
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.559	ug/L	112	(50-150)		
MS_201303140161	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MS2_201303150127	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Lead Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)	20	0.48
MSD2_201303150127	Lead Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	2.4
LCS1	Manganese Total ICAP/MS		50	53.5	ug/L	107	(85-115)		
LCS2	Manganese Total ICAP/MS		50	52.5	ug/L	105	(85-115)	20	1.9
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.16	ug/L	108	(50-150)		
MS_201303140161	Manganese Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)		
MS2_201303150127	Manganese Total ICAP/MS	ND	50	50.3	ug/L	101	(70-130)		
MSD_201303140161	Manganese Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	1.6
MSD2_201303150127	Manganese Total ICAP/MS	ND	50	49.0	ug/L	98	(70-130)	20	2.6
LCS1	Nickel Total ICAP/MS		50	54.2	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.3	ug/L	107	(85-115)	20	1.7
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.23	ug/L	105	(50-150)		
MS_201303140161	Nickel Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)		
MS2_201303150127	Nickel Total ICAP/MS	ND	50	51.4	ug/L	103	(70-130)		
MSD_201303140161	Nickel Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	2.2
MSD2_201303150127	Nickel Total ICAP/MS	ND	50	49.8	ug/L	99	(70-130)	20	3.2
LCS1	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.39	ug/L	108	(50-150)		
MS_201303140161	Selenium Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)		
MS2_201303150127	Selenium Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Selenium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Selenium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	4.8
LCS1	Thallium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.1	ug/L	111	(85-115)	20	0.45
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_201303140161	Thallium Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)		

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Laboratory QC
Report: 426757

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303150127	Thallium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Thallium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Thallium Total ICAP/MS	ND	20	20.5	ug/L	103	(70-130)	20	2.9
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	2.8
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.7	ug/L	108	(50-150)		
MS_201303140161	Zinc Total ICAP/MS	ND	100	105	ug/L	105	(70-130)		
MS2_201303150127	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	1.9
MSD2_201303150127	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	3.8

Spike recovery is already corrected for native results.
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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

CLIENT: Crystal Geyser Roxane
1210 S. State Hwy #395, PO Box Drawer A
Olancha, CA 93549

DATE OF REPORT: Quarter 1, 2012
REPORT #: 219-10958, 219-11143
LABORATORY ID#: 388631, WE03904

NOTE:
"*" indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
"ND" indicates that none of this analyte has been detected at or above the specified detection level
"MCL" indicates maximum contaminant level as established by EPA and/or FDA or state
"RL" indicates laboratory reporting limit for method
Units results are reported in mg/L unless other wise noted

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.002	0.028*
Asbestos	7 MFL	0.2	ND
Barium	2	0.002	0.0047
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.0005	ND
Chromium	0.1	0.005	ND
Cyanide	0.2	0.025	ND
Fluoride	4	0.05	0.56
Lead	0.015	0.0005	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.005	ND
Nitrogen, Nitrate	10	0.1	ND
Nitrogen, Nitrite	1.0	0.05	ND
Nitrogen - NO3/NO2 (NOX)	10	0.1	ND
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	2	93
Aluminum	0.2	0.02	ND
Bicarbonate	--	2	110
Boron	--	0.05	0.25
Bromide	--	0.005	0.016
Calcium	--	1	32
Carbonate	--	2	ND
Chloride	250	1	3.1
Copper	1	0.002	ND
Corrosivity	--	-14	0.25
Foaming Agents	0.5	0.05	ND
Hardness, Calcium	--	5	80
Hardness, Total	--	3	92
Hydroxide	--	2	ND
Iron	0.3	0.02	ND
Magnesium	--	0.1	2.7
Manganese	0.05	0.002	0.0066
Orthophosphate	--	0.01	0.027
pH	6.5-8.5	0.1	8.1
Phenol	0.001	0.001	ND
Potassium	--	1	2.1
Silver	0.1	0.0005	ND
Sodium	--	1	17
Specific Conductance	-- umho/cm	2	240
Sulfate	250	0.5	20
TDS	500	10	170
Zinc	5	0.02	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
Physical			
Color	15 CU	3	ND
Odor	3 TON	1	1.0
Turbidity	1-5 NTU	0.05	0.079
Microbiological			
Total Coliform	Absence	1	ND
Standard Plate Count	-- cfu/mL	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	3	4.8
Gross Beta	50 pCi/L	3	4.1
Radium 226/228	5 pCi/L	1 / 1	ND / ND
Uranium	0.030	0.001	0.0096
Radon	-- pCi/L	50	250
Volatile Organic Compounds			
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
tert-Amyl Methyl Ether (TAME)	--	0.003	ND
tert-Butyl-Ethyl Ether (TBEE)	--	0.003	ND
Benzene	0.001	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chlorobenzene	0.1	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
2-Chlorotoluene	--	0.0005	ND
4-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
1,2-Dichlorobenzene	0.6	0.0005	ND
1,3-Dichlorobenzene	--	0.0005	ND
1,4-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethylene	0.007	0.0005	ND
cis-1,2-Dichloroethylene	0.07	0.0005	ND
trans-1,2-Dichloroethylene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
EPA 524.2 continued:			
Di-Isopropyl Ether	--	0.003	ND
Ethylbenzene	0.7	0.0005	ND
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
4-Isopropyltoluene	--	0.0005	ND
4-Methyl-2-Pentanone (MIBK)	--	0.005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methyl Ethyl Ketone (MEK)	--	0.005	ND
Methylene Chloride	0.005	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethylene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethylene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
Trichlorotrifluoroethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl Chloride	0.002	0.0003	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.001	ND
Add'l Organics			
EPA 551.1:			
Ethylene Dibromide	0.00002	0.00001	ND
Dibromochloropropane	0.0002	0.00001	ND
EPA 505:			
Alachlor	0.002	0.0001	ND
Aldrin	--	0.00001	ND
Chlordane (alpha and gamma)	0.002	0.0001	ND
Dieldrin	--	0.00001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00001	ND
Heptachlor Epoxide	0.0002	0.00001	ND
Lindane	0.0002	0.00001	ND
Methoxychlor	0.04	0.00005	ND
Total PCBs	0.0005	0.0001	ND
PCB 1016	--	0.00008	ND
PCB 1221	--	0.0001	ND
PCB 1232	--	0.0001	ND
PCB 1242	--	0.0001	ND
PCB 1248	--	0.0001	ND
PCB 1254	--	0.0001	ND
PCB 1260	--	0.0001	ND
Toxaphene	0.003	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
EPA 515.4:			
Acifluorfen	--	0.0002	ND
Bentazon	0.02	0.0005	ND
2,4-D	0.07	0.0001	ND
2,4-DB	--	0.002	ND
Dalapon	0.2	0.001	ND
DCPA (total Mono & Di acid degradate)	--	0.0001	ND
Dicamba	--	0.0001	ND
3,5-Dichlorobenzoic Acid	--	0.0005	ND
Dichlorprop	--	0.0005	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-T	--	0.0002	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Acenaphthene	--	0.0001	ND
Acenaphthylene	--	0.0001	ND
Acetochlor	--	0.0001	ND
Alpha-BHC	--	0.0001	ND
Anthracene	--	0.00002	ND
Atrazine	0.003	0.00005	ND
Benz(a)Anthracene	--	0.00005	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Benzo(b)Fluoranthene	--	0.00002	ND
Benzo(g,h,i)Perylene	--	0.00005	ND
Benzo(k)Fluoranthene	--	0.00002	ND
Beta-BHC	--	0.0001	ND
Bromacil	--	0.0002	ND
Butylbenzylphthalate	--	0.0005	ND
Butachlor	--	0.00005	ND
Caffeine	--	0.00005	ND
Chlordane (alpha)	0.002	0.00005	ND
Chlordane (gamma)	0.002	0.00005	ND
Chlorobenzilate	--	0.0001	ND
Chloroneb	--	0.0001	ND
Chlorothalonil	--	0.0001	ND
Chlorpyrifos	--	0.00005	ND
Chrysene	--	0.00002	ND
Delta-BHC	--	0.0001	ND
4,4-DDD	--	0.0001	ND
4,4-DDE	--	0.0001	ND
4,4-DDT	--	0.0001	ND
Diazinon (Qualitative)	--	0.0001	ND
Dichlorvos (DDVP)	--	0.00005	ND
Dieldrin	--	0.0002	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Dibenz(a,h)Anthracene	--	0.00005	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Diethylphthalate	--	0.0005	ND
Dimethylphthalate	--	0.0005	ND
Dimethoate	--	0.0001	ND
Di-n-Butylphthalate	--	0.001	ND
Di-n-Octylphthalate	--	0.0001	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
EPA 525.2 continued:			
2,4-Dinitrotoluene	--	0.0001	ND
2,6-Dinitrotoluene	--	0.0001	ND
Endosulfan I (Alpha)	--	0.0001	ND
Endosulfan II (Beta)	--	0.0001	ND
Endosulfan Sulfate	--	0.0001	ND
Endrin Aldehyde	--	0.0001	ND
EPTC	--	0.0001	ND
Fluoranthene	--	0.0001	ND
Fluorene	--	0.00005	ND
Heptachlor	0.0004	0.00003	ND
Hexachlorobenzene	0.001	0.00005	ND
Hexachlorocyclopentadiene	0.05	0.00005	ND
Indeno(1,2,3-cd)Pyrene	--	0.00005	ND
Isophorone	--	0.0005	ND
Malathion	--	0.0001	ND
Metolachlor	--	0.00005	ND
Metribuzin	--	0.00005	ND
Molinate	--	0.0001	ND
Naphthalene	--	0.0003	ND
trans-Nonachlor	--	0.00005	ND
Parathion	--	0.0001	ND
Pendimethalin	--	0.0001	ND
Permethrin	--	0.0001	ND
Phenanthrene	--	0.00004	ND
Propachlor	--	0.00005	ND
Pyrene	--	0.00005	ND
Simazine	0.004	0.00005	ND
Terbacil	--	0.0001	ND
Terbuthylazine	--	0.0001	ND
Thiobencarb	--	0.0002	ND
Trifluralin	--	0.0001	ND
EPA 531.2:			
Aldicarb (TEMIK)	0.007	0.0005	ND
Aldicarb sulfone	0.007	0.0005	ND
Aldicarb sulfoxide	0.007	0.0005	ND
Baygon (PROPOXUR)	--	0.0005	ND
Carbaryl	--	0.0005	ND
Carbofuran (FURADAN)	0.04	0.0005	ND
3-Hydroxycarbofuran	--	0.0005	ND
Methiocarb	--	0.0005	ND
Methomyl	--	0.0005	ND
Oxamyl (VYDATE)	0.2	0.0005	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.005	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND
Paraquat	--	0.002	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-10958, 219-11143 (mg/L)
EPA 1613:			
2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND
Disinfection Byproducts			
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Miscellaneous			
EPA 314.0:			
Perchlorate	0.002	0.002	ND

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

CLIENT: Crystal Geyser Roxane
1210 S. State Hwy #395, PO Box Drawer A
Olancha, CA 93549

DATE OF REPORT: Quarter 1, 2013
REPORT #: 219-12352, 219-12359
LABORATORY ID#: 425923, 425925

NOTE:
"*" indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
"ND" indicates that none of this analyte has been detected at or above the specified detection level
"MCL" indicates maximum contaminant level as established by EPA and/or FDA or state
"RL" indicates laboratory reporting limit for method
Units results are reported in mg/L unless other wise noted

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.002	0.028*
Asbestos	7 MFL	0.2	ND
Barium	2	0.002	0.0050
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.0005	ND
Chromium	0.1	0.005	ND
Cyanide	0.2	0.025	ND
Fluoride	4	0.05	0.54
Lead	0.015	0.0005	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.005	ND
Nitrogen, Nitrate	10	0.1	ND
Nitrogen, Nitrite	1.0	0.05	ND
Nitrogen - NO3/NO2 (NOX)	10	0.1	ND
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	2	93
Aluminum	0.2	0.02	ND
Bicarbonate	--	2	110
Boron	--	0.05	0.20
Bromide	--	0.005	ND
Calcium	--	1	30
Carbonate	--	2	ND
Chloride	250	1	3.4
Copper	1	0.002	ND
Corrosivity	--	-14	0.13
Foaming Agents	0.5	0.05	ND
Hardness, Calcium	--	5	74
Hardness, Total	--	3	86
Hydroxide	--	2	ND
Iron	0.3	0.02	ND
Magnesium	--	0.1	2.9
Manganese	0.05	0.002	0.0053
Orthophosphate	--	0.01	0.029
pH	6.5-8.5	0.1	8.0
Phenol	0.001	0.001	ND
Potassium	--	1	2.2
Silver	0.1	0.0005	ND
Sodium	--	1	18
Specific Conductance	-- umho/cm	2	250
Sulfate	250	0.5	21
TDS	500	10	150
Zinc	5	0.02	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
Physical			
Color	15 CU	3	3.0
Odor	3 TON	1	ND
Turbidity	1-5 NTU	0.05	0.069
Microbiological			
Total Coliform	Absence	1.1	ND
E. coli	Absence	1.1	ND
Standard Plate Count	-- cfu/mL	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	3	ND
Gross Beta	50 pCi/L	3	3.0
Radium 226/228	5 pCi/L	0.87 / 0.799	ND / ND
Uranium	0.030	0.001	0.0084
Radon	-- pCi/L	50	190
Volatile Organic Compounds EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
tert-Amyl Methyl Ether (TAME)	--	0.003	ND
tert-Butyl-Ethyl Ether (TBEE)	--	0.003	ND
Benzene	0.001	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chlorobenzene	0.1	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
2-Chlorotoluene	--	0.0005	ND
4-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
1,2-Dichlorobenzene	0.6	0.0005	ND
1,3-Dichlorobenzene	--	0.0005	ND
1,4-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethylene	0.007	0.0005	ND
cis-1,2-Dichloroethylene	0.07	0.0005	ND
trans-1,2-Dichloroethylene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
EPA 524.2 continued:			
Di-Isopropyl Ether	--	0.003	ND
Ethylbenzene	0.7	0.0005	ND
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
4-Isopropyltoluene	--	0.0005	ND
4-Methyl-2-Pentanone (MIBK)	--	0.005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methyl Ethyl Ketone (MEK)	--	0.005	ND
Methylene Chloride	0.005	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethylene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethylene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
Trichlorotrifluoroethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl Chloride	0.002	0.0003	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.0005	ND
Add'l Organics			
EPA 551.1:			
Ethylene Dibromide	0.00002	0.00001	ND
Dibromochloropropane	0.0002	0.00001	ND
EPA 505:			
Alachlor	0.002	0.0001	ND
Aldrin	--	0.00001	ND
Chlordane (alpha and gamma)	0.002	0.0001	ND
Dieldrin	--	0.00001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00001	ND
Heptachlor Epoxide	0.0002	0.00001	ND
Lindane	0.0002	0.00001	ND
Methoxychlor	0.04	0.00005	ND
Total PCBs	0.0005	0.0001	ND
PCB 1016	--	0.00008	ND
PCB 1221	--	0.0001	ND
PCB 1232	--	0.0001	ND
PCB 1242	--	0.0001	ND
PCB 1248	--	0.0001	ND
PCB 1254	--	0.0001	ND
PCB 1260	--	0.0001	ND
Toxaphene	0.003	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
EPA 515.4:			
Acifluorfen	--	0.0002	ND
Bentazon	0.02	0.0005	ND
2,4-D	0.07	0.0001	ND
2,4-DB	--	0.002	ND
Dalapon	0.2	0.001	ND
DCPA (total Mono & Di acid degradate)	--	0.0001	ND
Dicamba	--	0.0001	ND
3,5-Dichlorobenzoic Acid	--	0.0005	ND
Dichlorprop	--	0.0005	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-T	--	0.0002	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Acenaphthene	--	0.0001	ND
Acenaphthylene	--	0.0001	ND
Acetochlor	--	0.0001	ND
Alpha-BHC	--	0.0001	ND
Anthracene	--	0.00002	ND
Atrazine	0.003	0.00005	ND
Benz(a)Anthracene	--	0.00005	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Benzo(b)Fluoranthene	--	0.00002	ND
Benzo(g,h,i)Perylene	--	0.00005	ND
Benzo(k)Fluoranthene	--	0.00002	ND
Beta-BHC	--	0.0001	ND
Bromacil	--	0.0002	ND
Butylbenzylphthalate	--	0.0005	ND
Butachlor	--	0.00005	ND
Caffeine	--	0.00005	ND
Chlordane (alpha)	0.002	0.00005	ND
Chlordane (gamma)	0.002	0.00005	ND
Chlorobenzilate	--	0.0001	ND
Chloroneb	--	0.0001	ND
Chlorothalonil	--	0.0001	ND
Chlorpyrifos	--	0.00005	ND
Chrysene	--	0.00002	ND
Delta-BHC	--	0.0001	ND
4,4-DDD	--	0.0001	ND
4,4-DDE	--	0.0001	ND
4,4-DDT	--	0.0001	ND
Diazinon (Qualitative)	--	0.0001	ND
Dichlorvos (DDVP)	--	0.00005	ND
Dieldrin	--	0.0002	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Dibenz(a,h)Anthracene	--	0.00005	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Diethylphthalate	--	0.0005	ND
Dimethylphthalate	--	0.0005	ND
Dimethoate	--	0.0001	ND
Di-n-Butylphthalate	--	0.001	ND
Di-n-Octylphthalate	--	0.0001	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
EPA 525.2 continued:			
2,4-Dinitrotoluene	--	0.0001	ND
2,6-Dinitrotoluene	--	0.0001	ND
Endosulfan I (Alpha)	--	0.0001	ND
Endosulfan II (Beta)	--	0.0001	ND
Endosulfan Sulfate	--	0.0001	ND
Endrin Aldehyde	--	0.0001	ND
EPTC	--	0.0001	ND
Fluoranthene	--	0.0001	ND
Fluorene	--	0.00005	ND
Heptachlor	0.0004	0.00003	ND
Hexachlorobenzene	0.001	0.00005	ND
Hexachlorocyclopentadiene	0.05	0.00005	ND
Indeno(1,2,3-cd)Pyrene	--	0.00005	ND
Isophorone	--	0.0005	ND
Malathion	--	0.0001	ND
Metolachlor	--	0.00005	ND
Metribuzin	--	0.00005	ND
Molinate	--	0.0001	ND
Naphthalene	--	0.0003	ND
trans-Nonachlor	--	0.00005	ND
Parathion	--	0.0001	ND
Pendimethalin	--	0.0001	ND
Permethrin	--	0.0001	ND
Phenanthrene	--	0.00004	ND
Propachlor	--	0.00005	ND
Pyrene	--	0.00005	ND
Simazine	0.004	0.00005	ND
Terbacil	--	0.0001	ND
Terbuthylazine	--	0.0001	ND
Thiobencarb	--	0.0002	ND
Trifluralin	--	0.0001	ND
EPA 531.2:			
Aldicarb (TEMIK)	0.007	0.0005	ND
Aldicarb sulfone	0.007	0.0005	ND
Aldicarb sulfoxide	0.007	0.0005	ND
Baygon (PROPOXUR)	--	0.0005	ND
Carbaryl	--	0.0005	ND
Carbofuran (FURADAN)	0.04	0.0005	ND
3-Hydroxycarbofuran	--	0.0005	ND
Methiocarb	--	0.0005	ND
Methomyl	--	0.0005	ND
Oxamyl (VYDATE)	0.2	0.0005	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.005	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND
Paraquat	--	0.002	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 3 SPRING SOURCE 219-12352, 219-12359 (mg/L)
EPA 1613:			
2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND
Disinfection Byproducts			
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Miscellaneous			
EPA 314.0:			
Perchlorate	0.002	0.002	ND

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

eurofins | Eaton Analytical
formerly MWH Laboratories

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
03/27/2013

Linda Geddes
EUROFINS EATON ANALYTICAL

DST: David S Tripp
Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 428138
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-010
Georgia	947	**Pennsylvania**	68-565
Guam	11-004r	**Rhode Island**	01114CA
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-11-2
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA110022	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

eurofins | Eaton Analytical
formerly MWH Laboratories

Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 428138
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **March 13, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201303140167	CGR5	03/12/2013 1200

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

CHAIN OF CUSTODY RECORD

428138

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: LL

SAMPLES LOGGED IN BY: JS

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:

☐ Colton / No. California / Arizona _____ ℃ (Compliance: 4 ± 2 ℃)

☑ Monrovia 3.6 ℃ (Compliance: 4 ± 2 ℃)

CONDITION OF BLUE ICE: Frozen ✓ Partially Frozen _____ Thawed _____ Wet Ice _____ No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:

PROJECT CODE:

EEA CLIENT CODE:

COC ID:

SAMPLE GROUP:

TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

COMPLIANCE SAMPLES (check for yes) ☐ - Requires state forms ☐

NON-COMPLIANCE SAMPLES (check for yes) ☐ REGULATION INVOLVED: _____

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)

SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), OR

list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	see order LIST													SAMPLER COMMENTS
3/12	1200	CGR5		RGW			X													

* MATRIX TYPES: RSW = Raw Surface Water; RGW = Raw Ground Water; CFW = Chlor(am)inated Finished Water; FW = Other Finished Water; SEAW = Sea Water; WW = Waste Water; BW = Bottled Water; SW = Storm Water; SO = Soil; SL = Sludge; O = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Manuel L	Manuel Luna	CG Roxane LLC	3/12/13	1205
RELINQUISHED BY:					
RECEIVED BY:		CARLOS CABRERA	GEA	3-13-13	1152
RELINQUISHED BY:					
RECEIVED BY:					

PAGE _____ OF _____

eurofins

Eaton Analytical
formerly

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (626) 386-1101

Kit Order for Crystal Geyser Roxane

David S Tripp is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 65212
Created By: ADT
Order Date: 03/05/2013
Ship By: Bottle Orders
STG:

Client ID: CRYSTAL-ROX
Project Code: CGR-OLANCHA Bottle Orders
Group Name: General Mineral & Bromide
PO#/JOB#:

Ship Sample Kits to
Crystal Geyser Roxane
1210 South Highway 395
Olancha, CA 93549

Attn: Manuel Luna - Shipping
Phone: 760-764-1822
Fax: 760-764-2861

Send Report to
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822
Fax: 760-764-2157

Billing Address
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Barbie Button
Phone: 760-764-2885
Fax: 760-764-2026

# of Sample	Tests	Bottles - Qty for each sample, type & preservative if an	UN DOT #
1	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant), Specific Conductance, Arsenic dissolved ICAP/MS, Turbidity	1 125ml poly no preservative	
1	@ICP, @ICPMS, Mercury	1 500ml acid poly 2ml HNO3 (18%)	UN2031
1	Bromide by 300.1	1 60mL poly 0.60mL 5% EDA sol'n	
1	Surfactants	1 500ml poly no preservative	
1	Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

LOGIN: Please make note when logging in that As and Br are for the low-level versions (0.2 & 2.0 ug/L respectively). GMMST22 includes pH, sodium, and Turbidity is added.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

From: (760) 764-2885
Manuel Luna
CG Roxane LLC
1210 s. hwy 395

Olancha, CA 93549

Origin ID: IYKA

FedEx Express

J13101212190326

Ship Date: 12MAR13
ActWgt: 15.0 LB
CAD: 7147219/INET3370

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (626) 386-1158

BILL SENDER

David
Eurofins Lab
750 ROYAL OAKS DR
STE 100
MONROVIA, CA 91016

3 of 3

WED - 13 MAR 3:00P
STANDARD OVERNIGHT

MPS# 7992 6166 2360
0263

Mstr# 7992 6166 1504

0201

92 WHPA

91016
CA-US
BUR

518G2/DCF8/93AB

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Laboratory Hits
Report: 428138

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201303140167	**CGR5**				
03/18/2013 10:33	Agressiveness Index-Calculated		12		None	0.1
03/15/2013 14:49	Alkalinity in CaCO3 units		62		mg/L	2
03/16/2013 18:30	Anion Sum - Calculated		3.1		meq/L	0.001
03/19/2013 15:55	Arsenic dissolved ICAP/MS		26		ug/L	1
03/18/2013 19:07	Arsenic Total ICAP/MS		26	10	ug/L	1
03/14/2013 17:59	Barium Total ICAP/MS		31	2000	ug/L	2
03/18/2013 10:33	Bicarb.Alkalinity as HCO3calc		75		mg/L	2
03/14/2013 12:40	Bromide by 300.1		30		ug/L	2
03/15/2013 23:29	Calcium Total ICAP		23		mg/L	1
03/18/2013 09:52	Cation Sum - Calculated		3.1		meq/L	0.001
03/13/2013 17:42	Chloride		7.8	250	mg/L	1
03/15/2013 19:39	Fluoride		0.88	4	mg/L	0.05
03/15/2013 23:29	Iron Total ICAP		0.10	0.3	mg/L	0.02
03/27/2013 03:47	Langelier Index - 25 degree		-0.080		None	
03/18/2013 10:33	Langelier Index at 60 degrees C		0.36		None	
03/15/2013 23:29	Magnesium Total ICAP		3.1		mg/L	0.1
03/13/2013 17:42	Nitrate as Nitrogen by IC		0.21	10	mg/L	0.1
03/13/2013 17:42	Nitrate as NO3 (calc)		0.93	45	mg/L	0.44
03/14/2013 03:09	PH (H3=past HT not compliant)		8.1		Units	0.1
03/27/2013 03:47	pH of CaCO3 saturation(25C)		8.2		Units	0.1
03/18/2013 10:33	pH of CaCO3 saturation(60C)		7.8		Units	0.1
03/15/2013 23:29	Potassium Total ICAP		3.0		mg/L	1
03/15/2013 23:29	Sodium Total ICAP		38		mg/L	1
03/15/2013 03:09	Specific Conductance, 25 C		320		umho/cm	2
03/13/2013 17:42	Sulfate		75	250	mg/L	0.5
03/15/2013 12:48	Total Dissolved Solids (TDS)		250	500	mg/L	10
03/18/2013 09:52	Total Hardness as CaCO3 by ICP (calc)		71		mg/L	3
03/13/2013 17:42	Total Nitrate, Nitrite-N, CALC		0.21		mg/L	0.1
03/13/2013 14:40	Turbidity		0.82	5	NTU	0.05
03/14/2013 17:59	Zinc Total ICAP/MS		24	5000	ug/L	20

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 428138

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
CGR5 (201303140167)						**Sampled on 03/12/2013 1200**		
			EPA 200.8 - ICPMS Metals					
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Aluminum Total ICAP/MS	ND	ug/L	20	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/19/2013	15:55 698752	(EPA 200.8)	Arsenic dissolved ICAP/MS	26	ug/L	1	1
3/14/2013	03/18/2013	19:07 698763	(EPA 200.8)	Arsenic Total ICAP/MS	26	ug/L	1	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Barium Total ICAP/MS	31	ug/L	2	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/20/2013	12:50 698842	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:59 698012	(EPA 200.8)	Zinc Total ICAP/MS	24	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/14/2013	03/15/2013	23:29 698217	(EPA 200.7)	Calcium Total ICAP	23	mg/L	1	1
3/14/2013	03/15/2013	23:29 698217	(EPA 200.7)	Iron Total ICAP	0.10	mg/L	0.02	1
3/14/2013	03/15/2013	23:29 698217	(EPA 200.7)	Magnesium Total ICAP	3.1	mg/L	0.1	1
3/14/2013	03/15/2013	23:29 698217	(EPA 200.7)	Potassium Total ICAP	3.0	mg/L	1	1
3/14/2013	03/15/2013	23:29 698217	(EPA 200.7)	Sodium Total ICAP	38	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/14/2013	03/15/2013	18:23 698243	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/18/2013	10:33	(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/18/2013	10:33	(SM 2330B)	pH of CaCO3 saturation(60C)	7.8	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/18/2013	10:33	(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/27/2013	03:47	(SM 2330B)	Langelier Index - 25 degree	-0.080	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/27/2013	03:47	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428138

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/18/2013	09:52	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	71	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/16/2013	18:30	(SM 1030E)	Anion Sum - Calculated	3.1	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/18/2013	09:52	(SM 1030E)	Cation Sum - Calculated	3.1	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/27/2013	03:47	(SM 2330B)	pH of CaCO3 saturation(25C)	8.2	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/18/2013	10:33	(SM2330B)	Bicarb.Alkalinity as HCO3calc	75	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/18/2013	10:33	(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/18/2013	10:33	(SM 2330B)	Langelier Index at 60 degrees C	0.36	None		1
			SM 1030E - Cation/Anion Difference					
	03/19/2013	01:07	(SM 1030E)	Cation/Anion Difference	0.83	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	03/13/2013	17:42 697933	(EPA 300.0)	Nitrate as Nitrogen by IC	0.21	mg/L	0.1	1
	03/13/2013	17:42 697933	(EPA 300.0)	Nitrate as NO3 (calc)	0.93	mg/L	0.44	1
	03/13/2013	17:42 697933	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	03/13/2013	17:42 697933	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.21	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/14/2013	12:40 698017	(EPA 300.1)	Bromide by 300.1	30	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	03/13/2013	17:42 697938	(EPA 300.0)	Chloride	7.8	mg/L	1	1
	03/13/2013	17:42 697938	(EPA 300.0)	Sulfate	75	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/15/2013	19:39 698091	(SM 4500F-C)	Fluoride	0.88	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/15/2013	14:49 697983	(SM 2320B)	Alkalinity in CaCO3 units	62	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/14/2013	03/15/2013	12:48 697952	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	250	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/14/2013	03:09 697988	(SM4500-HB)	PH (H3=past HT not compliant)	8.1	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	03/14/2013	08:16 698413	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

Rounding on totals after summation.
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Laboratory Data
Report: 428138

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/13/2013 14:40	697855	(EPA 180.1)	Turbidity	0.82	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/15/2013 03:09	697989	(SM2510B)	Specific Conductance, 25 C	320	umho/cm	2	1

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Laboratory Comments
Report: 428138

Crystal Geyser Roxane
Manuel Luna
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Olancha, CA 93549

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 697855 - Turbidity — **Analysis Date: 03/13/2013**
201303140167 CGR5 — Analyzed by: ADV

QC Ref # 697933 - Nitrate, Nitrite by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140167 CGR5 — Analyzed by: CYP

QC Ref # 697938 - Chloride, Sulfate by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140167 CGR5 — Analyzed by: CYP

QC Ref # 697952 - Total Dissolved Solids (TDS) — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: JRF

QC Ref # 697983 - Alkalinity in CaCO3 units — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: JMO

QC Ref # 697988 - PH (H3=past HT not compliant) — **Analysis Date: 03/14/2013**
201303140167 CGR5 — Analyzed by: JMO

QC Ref # 697989 - Specific Conductance — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: JMO

QC Ref # 698012 - ICPMS Metals — **Analysis Date: 03/14/2013**
201303140167 CGR5 — Analyzed by: SXK

QC Ref # 698017 - Disinfection ByProducts by 300.1 — **Analysis Date: 03/14/2013**
201303140167 CGR5 — Analyzed by: TLH

QC Ref # 698091 - Fluoride — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: MXT

QC Ref # 698217 - ICP Metals — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: NINA

QC Ref # 698243 - Mercury Total — **Analysis Date: 03/15/2013**
201303140167 CGR5 — Analyzed by: MXT

QC Ref # 698413 - Surfactants — **Analysis Date: 03/14/2013**
201303140167 CGR5 — Analyzed by: LLL

QC Ref # 698752 - ICPMS Metals — **Analysis Date: 03/19/2013**
201303140167 CGR5 — Analyzed by: SXK

QC Ref # 698763 - ICPMS Metals — **Analysis Date: 03/18/2013**
201303140167 CGR5 — Analyzed by: DTN

QC Ref # 698842 - ICPMS Metals — **Analysis Date: 03/20/2013**
201303140167 CGR5 — Analyzed by: SXK

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Report: 428138

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 697855 - Turbidity by EPA 180.1						**Analysis Date: 03/13/2013**			
DUP1_201303120620	Turbidity	0.074		0.0730	NTU		(0-20)		
DUP2_201303120804	Turbidity	0.11		0.108	NTU		(0-20)	20	0.0
LCS1	Turbidity		20	19.9	NTU	100	(90-110)		
LCS2	Turbidity		20	19.9	NTU	100	(90-110)	20	0.0
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0650	NTU	130	(50-150)		
QC Ref# 697933 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.53	mg/L	101	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.54	mg/L	102	(90-110)	20	0.39
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0503	mg/L	101	(50-150)		
MRLLW	Nitrate as Nitrogen by IC		0.013	0.0142	mg/L	114	(50-150)		
MS_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)		
MS_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)		
MSD_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)	20	0.0
MSD_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.990	mg/L	99	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.985	mg/L	99	(90-110)	20	0.51
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0538	mg/L	108	(50-150)		
MRLLW	Nitrite Nitrogen by IC		0.013	0.0120	mg/L	96	(50-150)		
MS_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.515	mg/L	103	(80-120)		
MS_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.510	mg/L	102	(80-120)		
MSD_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.511	mg/L	102	(80-120)	20	0.20
MSD_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.516	mg/L	103	(80-120)	20	0.19
QC Ref# 697938 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Chloride		25	26.3	mg/L	105	(90-110)		
LCS2	Chloride		25	26.5	mg/L	106	(90-110)	20	0.76
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.439	mg/L	88	(50-150)		
MS_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)		
MS_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)		
MSD_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)	20	0.0
MSD_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)	20	0.0
LCS1	Sulfate		50	51.4	mg/L	103	(90-110)		
LCS2	Sulfate		50	51.6	mg/L	103	(90-110)	20	0.39

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.971	mg/L	97	(50-150)		
MRLLW	Sulfate		0.25	0.256	mg/L	102	(50-150)		
MS_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)		
MS_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)		
MSD_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)	20	0.0
MSD_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)	20	0.0
QC Ref# 697952 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/15/2013**			
DUP_201303130385	Total Dissolved Solid (TDS)	470		472	mg/L		(0-20)	20	0.43
DUP_201303140163	Total Dissolved Solid (TDS)	180		176	mg/L		(0-20)	20	1.1
LCS1	Total Dissolved Solid (TDS)		175	178	mg/L	102	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	696	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 697983 - Alkalinity in CaCO3 units by SM 2320B						**Analysis Date: 03/15/2013**			
LCS1	Alkalinity in CaCO3 units		100	97.3	mg/L	97	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	93.0	mg/L	93	(90-110)	20	4.5
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	1.99	mg/L	100	(50-150)		
MS_201303120220	Alkalinity in CaCO3 units	60	100	156	mg/L	96	(80-120)		
MS_201303120219	Alkalinity in CaCO3 units	57	100	152	mg/L	96	(80-120)		
MSD_201303120220	Alkalinity in CaCO3 units	60	100	150	mg/L	90	(80-120)	20	3.9
MSD_201303120219	Alkalinity in CaCO3 units	57	100	151	mg/L	94	(80-120)	20	1.3
QC Ref# 697988 - PH (H3=past HT not compliant) by SM4500-HB						**Analysis Date: 03/14/2013**			
DUP_201303120549	PH (H3=past HT not compliant)	8.1		7.93	Units		(0-20)	20	2.0
DUP2_201303130385	PH (H3=past HT not compliant)	8.0		8.03	Units		(0-20)	20	0.12
LCS3	PH (H3=past HT not compliant)		8.0	8.01	Units	100	(99-101)		
LCS4	PH (H3=past HT not compliant)		8.0	8.00	Units	100	(99-101)	20	0.13
QC Ref# 697989 - Specific Conductance by SM2510B						**Analysis Date: 03/14/2013**			
DUP2_201303130385	Specific Conductance			113000	umho/cm		(0-20)	20	**200**
LCS1	Specific Conductance		1000	993	umho/cm	99	(95-105)		
LCS2	Specific Conductance		1000	995	umho/cm	100	(95-105)	20	0.20
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	2.20	umho/cm	110	(50-150)		
QC Ref# 698012 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/14/2013**			
LCS1	Aluminum Total ICAP/MS		200	199	ug/L	100	(85-115)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Report: 428138

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Aluminum Total ICAP/MS		200	198	ug/L	99	(85-115)	20	0.50
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.4	ug/L	102	(50-150)		
MS_201303150303	Aluminum Total ICAP/MS	ND	200	187	ug/L	93	(70-130)		
MS2_201303140168	Aluminum Total ICAP/MS	21	200	204	ug/L	91	(70-130)		
MSD_201303150303	Aluminum Total ICAP/MS	ND	200	188	ug/L	94	(70-130)	20	0.53
MSD2_201303140168	Aluminum Total ICAP/MS	21	200	214	ug/L	97	(70-130)	20	5.3
LCS1	Antimony Total ICAP/MS		50	51.8	ug/L	103	(85-115)		
LCS2	Antimony Total ICAP/MS		50	51.9	ug/L	104	(85-115)	20	0.19
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303150303	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)		
MS2_201303140168	Antimony Total ICAP/MS	ND	50	49.1	ug/L	98	(70-130)		
MSD_201303150303	Antimony Total ICAP/MS	ND	50	50.3	ug/L	100	(70-130)	20	0.80
MSD2_201303140168	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)	20	1.6
LCS1	Arsenic Total ICAP/MS		20	20.9	ug/L	104	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.7	ug/L	104	(85-115)	20	0.96
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.863	ug/L	86	(50-150)		
MS_201303150303	Arsenic Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201303140168	Arsenic Total ICAP/MS		20	41.6	ug/L	99	(70-130)		
MSD_201303150303	Arsenic Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Arsenic Total ICAP/MS		20	41.7	ug/L	100	(70-130)	20	0.24
LCS1	Barium Total ICAP/MS		100	104	ug/L	103	(85-115)		
LCS2	Barium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.09	ug/L	105	(50-150)		
MS_201303150303	Barium Total ICAP/MS	ND	100	99.1	ug/L	99	(70-130)		
MS2_201303140168	Barium Total ICAP/MS	ND	100	100	ug/L	99	(70-130)		
MSD_201303150303	Barium Total ICAP/MS	ND	100	99.7	ug/L	100	(70-130)	20	0.60
MSD2_201303140168	Barium Total ICAP/MS	ND	100	102	ug/L	100	(70-130)	20	2.0
LCS1	Beryllium Total ICAP/MS		5.0	5.11	ug/L	102	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.05	ug/L	101	(85-115)	20	1.2
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.968	ug/L	97	(50-150)		
MS_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.86	ug/L	97	(70-130)		
MS2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.19	ug/L	104	(70-130)		
MSD_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.88	ug/L	98	(70-130)	20	0.41

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.27	ug/L	105	(70-130)	20	1.5
LCS1	Cadmium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.9	ug/L	105	(85-115)	20	1.5
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.574	ug/L	115	(50-150)		
MS_201303150303	Cadmium Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303140168	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	98	(70-130)		
MSD_201303150303	Cadmium Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)	20	1.0
MSD2_201303140168	Cadmium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	2.0
LCS1	Chromium Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Chromium Total ICAP/MS		100	104	ug/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303150303	Chromium Total ICAP/MS	ND	100	97.6	ug/L	98	(70-130)		
MS2_201303140168	Chromium Total ICAP/MS	ND	100	95.1	ug/L	95	(70-130)		
MSD_201303150303	Chromium Total ICAP/MS	ND	100	97.5	ug/L	98	(70-130)	20	0.10
MSD2_201303140168	Chromium Total ICAP/MS	ND	100	96.9	ug/L	97	(70-130)	20	1.9
LCS1	Copper Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.08	ug/L	104	(50-150)		
MS_201303150303	Copper Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)		
MS2_201303140168	Copper Total ICAP/MS	ND	100	96.4	ug/L	96	(70-130)		
MSD_201303150303	Copper Total ICAP/MS	ND	100	94.9	ug/L	95	(70-130)	20	0.32
MSD2_201303140168	Copper Total ICAP/MS	ND	100	97.0	ug/L	97	(70-130)	20	0.62
LCS1	Lead Total ICAP/MS		20	20.1	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)	20	0.50
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.482	ug/L	96	(50-150)		
MS_201303150303	Lead Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MS2_201303140168	Lead Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	2.1
LCS1	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)	20	0.20
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.97	ug/L	99	(50-150)		
MS_201303150303	Manganese Total ICAP/MS	ND	50	46.8	ug/L	94	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303140168	Manganese Total ICAP/MS	ND	50	48.0	ug/L	93	(70-130)		
MSD_201303150303	Manganese Total ICAP/MS	ND	50	47.0	ug/L	94	(70-130)	20	0.43
MSD2_201303140168	Manganese Total ICAP/MS	ND	50	48.7	ug/L	94	(70-130)	20	1.2
LCS1	Nickel Total ICAP/MS		50	51.4	ug/L	103	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.7	ug/L	103	(85-115)	20	0.58
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.40	ug/L	108	(50-150)		
MS_201303150303	Nickel Total ICAP/MS	ND	50	47.6	ug/L	95	(70-130)		
MS2_201303140168	Nickel Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)		
MSD_201303150303	Nickel Total ICAP/MS	ND	50	47.9	ug/L	96	(70-130)	20	0.63
MSD2_201303140168	Nickel Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)	20	1.3
LCS1	Selenium Total ICAP/MS		20	21.1	ug/L	106	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.4	ug/L	107	(85-115)	20	1.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.00	ug/L	100	(50-150)		
MS_201303150303	Selenium Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)		
MS2_201303140168	Selenium Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MSD_201303150303	Selenium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)	20	4.4
MSD2_201303140168	Selenium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	6.5
LCS1	Thallium Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.3	ug/L	101	(85-115)	20	0.49
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	0.996	ug/L	100	(50-150)		
MS_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)		
MS2_201303140168	Thallium Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	0.51
MSD2_201303140168	Thallium Total ICAP/MS	ND	20	19.4	ug/L	96	(70-130)	20	1.0
LCS1	Zinc Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Zinc Total ICAP/MS		100	102	ug/L	102	(85-115)	20	0.98
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.0	ug/L	105	(50-150)		
MS_201303150303	Zinc Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303140168	Zinc Total ICAP/MS	ND	100	98.5	ug/L	98	(70-130)		
MSD_201303150303	Zinc Total ICAP/MS	ND	100	100	ug/L	100	(70-130)	20	1
MSD2_201303140168	Zinc Total ICAP/MS	ND	100	99.5	ug/L	99	(70-130)	20	1.0
QC Ref# 698017 - Disinfection ByProducts by 300.1 by EPA 300.1							**Analysis Date: 03/14/2013**		
LCS1	Bromide by 300.1		10	9.98	ug/L	100	(90-110)		
LCS2	Bromide by 300.1		10	10.6	ug/L	106	(90-110)	20	6.0

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	2.26	ug/L	113	(50-150)		
MS_201303140167	Bromide by 300.1	30	10	40.0	ug/L	98	(85-115)		
MSD_201303140167	Bromide by 300.1	30	10	40.2	ug/L	100	(85-115)	20	0.50
QC Ref# 698091 - Fluoride by SM 4500F-C						**Analysis Date: 03/15/2013**			
LCS1	Fluoride		1.0	1.06	mg/L	106	(81-116)		
LCS2	Fluoride		1.0	1.06	mg/L	106	(81-116)	20	0.0
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0506	mg/L	101	(50-150)		
MS_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)		
MS2_201303140169	Fluoride	0.58	1.0	1.59	mg/L	101	(73-124)		
MSD_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)	20	0.0
MSD2_201303140169	Fluoride	0.58	1.0	1.62	mg/L	104	(73-124)	20	1.9
QC Ref# 698217 - ICP Metals by EPA 200.7						**Analysis Date: 03/15/2013**			
LCS1	Calcium Total ICAP		50	45.2	mg/L	91	(85-115)		
LCS2	Calcium Total ICAP		50	45.8	mg/L	92	(85-115)	20	1.3
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	0.918	mg/L	92	(50-150)		
MS_201303140163	Calcium Total ICAP	37	50	82.4	mg/L	92	(70-130)		
MS2_201303140437	Calcium Total ICAP	9.1	50	54.2	mg/L	90	(70-130)		
MSD_201303140163	Calcium Total ICAP	37	50	82.8	mg/L	92	(70-130)	20	0.48
MSD2_201303140437	Calcium Total ICAP	9.1	50	55.6	mg/L	93	(70-130)	20	2.5
LCS1	Iron Total ICAP		5.0	4.81	mg/L	96	(85-115)		
LCS2	Iron Total ICAP		5.0	4.80	mg/L	96	(85-115)	20	0.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0189	mg/L	94	(50-150)		
MS_201303140163	Iron Total ICAP	ND	5.0	4.87	mg/L	97	(70-130)		
MS2_201303140437	Iron Total ICAP	0.093	5.0	4.89	mg/L	96	(70-130)		
MSD_201303140163	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)	20	0.41
MSD2_201303140437	Iron Total ICAP	0.093	5.0	4.91	mg/L	96	(70-130)	20	0.41
LCS1	Magnesium Total ICAP		20	20.3	mg/L	101	(85-115)		
LCS2	Magnesium Total ICAP		20	20.1	mg/L	101	(85-115)	20	0.99
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.101	mg/L	101	(50-150)		
MS_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)		
MS2_201303140437	Magnesium Total ICAP	5.8	20	26.0	mg/L	101	(70-130)		
MSD_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)	20	0.40

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140437	Magnesium Total ICAP	5.8	20	26.3	mg/L	102	(70-130)	20	1.1
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.2	mg/L	96	(85-115)	20	3.1
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.967	mg/L	97	(50-150)		
MS_201303140163	Potassium Total ICAP	1.0	20	21.1	mg/L	100	(70-130)		
MS2_201303140437	Potassium Total ICAP	1.6	20	20.6	mg/L	95	(70-130)		
MSD_201303140163	Potassium Total ICAP	1.0	20	20.8	mg/L	99	(70-130)	20	1.4
MSD2_201303140437	Potassium Total ICAP	1.6	20	21.0	mg/L	97	(70-130)	20	1.9
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.1	mg/L	100	(85-115)	20	1.6
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.00	mg/L	100	(50-150)		
MS_201303140163	Sodium Total ICAP	15	50	66.2	mg/L	102	(70-130)		
MS2_201303140437	Sodium Total ICAP	7.6	50	57.8	mg/L	100	(70-130)		
MSD_201303140163	Sodium Total ICAP	15	50	65.4	mg/L	100	(70-130)	20	1.2
MSD2_201303140437	Sodium Total ICAP	7.6	50	59.4	mg/L	104	(70-130)	20	2.7
QC Ref# 698243 - Mercury Total by EPA 245.1						**Analysis Date: 03/15/2013**			
LCS1	Mercury		1.5	1.42	ug/L	95	(85-115)		
LCS2	Mercury		1.5	1.44	ug/L	96	(85-115)	20	1.4
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.191	ug/L	96	(50-150)		
MS_201303130095	Mercury	ND	1.5	1.57	ug/L	105	(70-130)		
MS_201303140169	Mercury	ND	1.5	1.51	ug/L	100	(70-130)		
MSD_201303140169	Mercury	ND	1.5	1.43	ug/L	96	(70-130)	20	5.4
MSD_201303130095	Mercury	ND	1.5	1.54	ug/L	103	(70-130)	20	1.9
QC Ref# 698413 - Surfactants by SM 5540C/EPA 425.1						**Analysis Date: 03/14/2013**			
LCS1	Surfactants		0.2	0.193	mg/L	97	(90-110)		
LCS2	Surfactants		0.2	0.186	mg/L	93	(90-110)	20	3.7
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0297	mg/L	59	(50-150)		
MS_201303110107	Surfactants	ND	0.2	0.169	mg/L	84	(80-120)		
MSD_201303110107	Surfactants	ND	0.2	0.165	mg/L	83	(80-120)	20	2.4
QC Ref# 698752 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/19/2013**			
LCS1	Aluminum Total ICAP/MS		200	211	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	206	ug/L	103	(85-115)	20	2.4
MBLK	Aluminum Total ICAP/MS			<20	ug/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 428138

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Aluminum Total ICAP/MS		20	21.3	ug/L	106	(50-150)		
MS_201303140161	Aluminum Total ICAP/MS	ND	200	195	ug/L	97	(70-130)		
MS2_201303150127	Aluminum Total ICAP/MS	ND	200	199	ug/L	99	(70-130)		
MSD_201303140161	Aluminum Total ICAP/MS	ND	200	191	ug/L	96	(70-130)	20	2.1
MSD2_201303150127	Aluminum Total ICAP/MS	ND	200	193	ug/L	96	(70-130)	20	3.1
LCS1	Antimony Total ICAP/MS		50	55.5	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	55.1	ug/L	110	(85-115)	20	0.72
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.14	ug/L	114	(50-150)		
MS_201303140161	Antimony Total ICAP/MS	ND	50	52.9	ug/L	105	(70-130)		
MS2_201303150127	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)		
MSD_201303140161	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)	20	0.38
MSD2_201303150127	Antimony Total ICAP/MS	ND	50	52.2	ug/L	104	(70-130)	20	0.95
LCS1	Arsenic dissolved ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic dissolved ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Arsenic Total ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)		
LCS2	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)	20	0.0
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.24	ug/L	112	(50-150)		
MS_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)		
MS2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)	20	0.0
MSD2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	106	(70-130)	20	0.0
LCS1	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 428138

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)	20	0.0
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303140161	Beryllium Total ICAP/MS	ND	5.0	5.00	ug/L	100	(70-130)		
MS2_201303150127	Beryllium Total ICAP/MS	ND	5.0	5.22	ug/L	104	(70-130)		
MSD_201303140161	Beryllium Total ICAP/MS	ND	5.0	4.99	ug/L	100	(70-130)	20	0.20
MSD2_201303150127	Beryllium Total ICAP/MS	ND	5.0	4.90	ug/L	98	(70-130)	20	6.3
LCS1	Cadmium Total ICAP/MS		20	21.9	ug/L	110	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	22.2	ug/L	111	(85-115)	20	1.4
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.529	ug/L	106	(50-150)		
MS_201303140161	Cadmium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)		
MS2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Cadmium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.96
MSD2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	105	(70-130)	20	0.0
LCS1	Chromium Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.20	ug/L	120	(50-150)		
MS_201303140161	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303150127	Chromium Total ICAP/MS	ND	100	103	ug/L	103	(70-130)		
MSD_201303140161	Chromium Total ICAP/MS	ND	100	99.4	ug/L	99	(70-130)	20	1.6
MSD2_201303150127	Chromium Total ICAP/MS	ND	100	99.9	ug/L	100	(70-130)	20	3.1
LCS1	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.25	ug/L	113	(50-150)		
MS_201303140161	Copper Total ICAP/MS	ND	100	99.2	ug/L	99	(70-130)		
MS2_201303150127	Copper Total ICAP/MS	ND	100	104	ug/L	104	(70-130)		
MSD_201303140161	Copper Total ICAP/MS	ND	100	96.8	ug/L	97	(70-130)	20	2.5
MSD2_201303150127	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)	20	2.9
LCS1	Lead Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.91
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.559	ug/L	112	(50-150)		
MS_201303140161	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MS2_201303150127	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Lead Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)	20	0.48

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Report: 428138

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303150127	Lead Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	2.4
LCS1	Manganese Total ICAP/MS		50	53.5	ug/L	107	(85-115)		
LCS2	Manganese Total ICAP/MS		50	52.5	ug/L	105	(85-115)	20	1.9
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.16	ug/L	108	(50-150)		
MS_201303140161	Manganese Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)		
MS2_201303150127	Manganese Total ICAP/MS	ND	50	50.3	ug/L	101	(70-130)		
MSD_201303140161	Manganese Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	1.6
MSD2_201303150127	Manganese Total ICAP/MS	ND	50	49.0	ug/L	98	(70-130)	20	2.6
LCS1	Nickel Total ICAP/MS		50	54.2	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.3	ug/L	107	(85-115)	20	1.7
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.23	ug/L	105	(50-150)		
MS_201303140161	Nickel Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)		
MS2_201303150127	Nickel Total ICAP/MS	ND	50	51.4	ug/L	103	(70-130)		
MSD_201303140161	Nickel Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	2.2
MSD2_201303150127	Nickel Total ICAP/MS	ND	50	49.8	ug/L	99	(70-130)	20	3.2
LCS1	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.39	ug/L	108	(50-150)		
MS_201303140161	Selenium Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)		
MS2_201303150127	Selenium Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Selenium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Selenium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	4.8
LCS1	Thallium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.1	ug/L	111	(85-115)	20	0.45
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_201303140161	Thallium Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)		
MS2_201303150127	Thallium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Thallium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Thallium Total ICAP/MS	ND	20	20.5	ug/L	103	(70-130)	20	2.9
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	2.8
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.7	ug/L	108	(50-150)		
MS_201303140161	Zinc Total ICAP/MS	ND	100	105	ug/L	105	(70-130)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303150127	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	1.9
MSD2_201303150127	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	3.8
QC Ref# 698763 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/18/2013**			
LCS1	Arsenic Total ICAP/MS		20	19.3	ug/L	97	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	19.3	ug/L	97	(85-115)	20	0.0
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.995	ug/L	100	(50-150)		
MS_201303140478	Arsenic Total ICAP/MS		20	23.7	ug/L	118	(70-130)		
MSD_201303140478	Arsenic Total ICAP/MS		20	23.8	ug/L	119	(70-130)	20	0.42
LCS1	Chromium Total ICAP/MS		100	94.0	ug/L	94	(85-115)		
LCS2	Chromium Total ICAP/MS		100	93.4	ug/L	93	(85-115)	20	0.64
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.827	ug/L	83	(50-150)		
MS_201303140478	Chromium Total ICAP/MS	2.1	100	100	ug/L	98	(70-130)		
MSD_201303140478	Chromium Total ICAP/MS	2.1	100	101	ug/L	99	(70-130)	20	1
QC Ref# 698842 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/20/2013**			
LCS1	Silver Total ICAP/MS		50	49.3	ug/L	99	(85-115)		
LCS2	Silver Total ICAP/MS		50	48.4	ug/L	97	(85-115)	20	1.6
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.550	ug/L	110	(50-150)		
MS_201303140167	Silver Total ICAP/MS	ND	50	43.2	ug/L	86	(70-130)		
MS2_201303120836	Silver Total ICAP/MS	ND	50	44.0	ug/L	88	(70-130)		
MSD_201303140167	Silver Total ICAP/MS	ND	50	47.1	ug/L	94	(70-130)	20	8.6
MSD2_201303120836	Silver Total ICAP/MS	ND	50	44.9	ug/L	90	(70-130)	20	2.0

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(S) - Indicates surrogate compound.
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CLIENT: Crystal Geyser Roxane
1210 S. State Hwy #395, PO Box Drawer A
Olancha, CA 93549

DATE OF REPORT: Quarter 1, 2012
REPORT #: 219-10963, 219-11148
LABORATORY ID#: 389330, WE03907

NOTE:
"*" indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
"ND" indicates that none of this analyte has been detected at or above the specified detection level
"MCL" indicates maximum contaminant level as established by EPA and/or FDA or state
"RL" indicates laboratory reporting limit for method
Units results are reported in mg/L unless other wise noted

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.002	0.026*
Asbestos	7 MFL	0.2	ND
Barium	2	0.002	0.027
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.0005	ND
Chromium	0.1	0.005	ND
Cyanide	0.2	0.025	ND
Fluoride	4	0.05	0.92
Lead	0.015	0.0005	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.005	ND
Nitrogen, Nitrate	10	0.1	0.29
Nitrogen, Nitrite	1.0	0.05	ND
Nitrogen - NO3/NO2 (NOX)	10	0.1	0.29
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	2	54
Aluminum	0.2	0.02	ND
Bicarbonate	--	2	66
Boron	--	0.05	0.49
Bromide	--	0.005	0.053
Calcium	--	1	21
Carbonate	--	2	ND
Chloride	250	1	7.2
Copper	1	0.002	ND
Corrosivity	--	-14	-0.13
Foaming Agents	0.5	0.05	ND
Hardness, Calcium	--	5	52
Hardness, Total	--	3	64
Hydroxide	--	2	ND
Iron	0.3	0.02	ND
Magnesium	--	0.1	2.9
Manganese	0.05	0.002	ND
Orthophosphate	--	0.01	0.026
pH	6.5-8.5	0.1	8.2
Phenol	0.001	0.001	ND
Potassium	--	1	2.8
Silver	0.1	0.0005	ND
Sodium	--	1	34
Specific Conductance	-- umho/cm	2	300
Sulfate	250	0.5	74
TDS	500	10	220
Zinc	5	0.02	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
Physical			
Color	15 CU	3	ND
Odor	3 TON	1	ND
Turbidity	1-5 NTU	0.05	0.056
Microbiological			
Total Coliform	Absence	1	ND
Standard Plate Count	-- cfu/mL	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	3	8.8
Gross Beta	50 pCi/L	3	3.5
Radium 226/228	5 pCi/L	1 / 1	ND / ND
Uranium	0.030	0.001	0.0071
Radon	-- pCi/L	50	370
Volatile Organic Compounds			
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
tert-Amyl Methyl Ether (TAME)	--	0.003	ND
tert-Butyl-Ethyl Ether (TBEE)	--	0.003	ND
Benzene	0.001	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chlorobenzene	0.1	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
2-Chlorotoluene	--	0.0005	ND
4-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
1,2-Dichlorobenzene	0.6	0.0005	ND
1,3-Dichlorobenzene	--	0.0005	ND
1,4-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethylene	0.007	0.0005	ND
cis-1,2-Dichloroethylene	0.07	0.0005	ND
trans-1,2-Dichloroethylene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
EPA 524.2 continued:			
Di-Isopropyl Ether	--	0.003	ND
Ethylbenzene	0.7	0.0005	ND
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
4-Isopropyltoluene	--	0.0005	ND
4-Methyl-2-Pentanone (MIBK)	--	0.005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methyl Ethyl Ketone (MEK)	--	0.005	ND
Methylene Chloride	0.005	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethylene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethylene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
Trichlorotrifluoroethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl Chloride	0.002	0.0003	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.001	ND
Add'l Organics			
EPA 551.1:			
Ethylene Dibromide	0.00002	0.00001	ND
Dibromochloropropane	0.0002	0.00001	ND
EPA 505:			
Alachlor	0.002	0.0001	ND
Aldrin	--	0.00001	ND
Chlordane (alpha and gamma)	0.002	0.0001	ND
Dieldrin	--	0.00001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00001	ND
Heptachlor Epoxide	0.0002	0.00001	ND
Lindane	0.0002	0.00001	ND
Methoxychlor	0.04	0.00005	ND
Total PCBs	0.0005	0.0001	ND
PCB 1016	--	0.00008	ND
PCB 1221	--	0.0001	ND
PCB 1232	--	0.0001	ND
PCB 1242	--	0.0001	ND
PCB 1248	--	0.0001	ND
PCB 1254	--	0.0001	ND
PCB 1260	--	0.0001	ND
Toxaphene	0.003	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
EPA 515.4:			
Acifluorfen	--	0.0002	ND
Bentazon	0.02	0.0005	ND
2,4-D	0.07	0.0001	ND
2,4-DB	--	0.002	ND
Dalapon	0.2	0.001	ND
DCPA (total Mono & Di acid degradate)	--	0.0001	ND
Dicamba	--	0.0001	ND
3,5-Dichlorobenzoic Acid	--	0.0005	ND
Dichlorprop	--	0.0005	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-T	--	0.0002	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Acenaphthene	--	0.0001	ND
Acenaphthylene	--	0.0001	ND
Acetochlor	--	0.0001	ND
Alpha-BHC	--	0.0001	ND
Anthracene	--	0.00002	ND
Atrazine	0.003	0.00005	ND
Benz(a)Anthracene	--	0.00005	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Benzo(b)Fluoranthene	--	0.00002	ND
Benzo(g,h,i)Perylene	--	0.00005	ND
Benzo(k)Fluoranthene	--	0.00002	ND
Beta-BHC	--	0.0001	ND
Bromacil	--	0.0002	ND
Butylbenzylphthalate	--	0.0005	ND
Butachlor	--	0.00005	ND
Caffeine	--	0.00005	ND
Chlordane (alpha)	0.002	0.00005	ND
Chlordane (gamma)	0.002	0.00005	ND
Chlorobenzilate	--	0.0001	ND
Chloroneb	--	0.0001	ND
Chlorothalonil	--	0.0001	ND
Chlorpyrifos	--	0.00005	ND
Chrysene	--	0.00002	ND
Delta-BHC	--	0.0001	ND
4,4-DDD	--	0.0001	ND
4,4-DDE	--	0.0001	ND
4,4-DDT	--	0.0001	ND
Diazinon (Qualitative)	--	0.0001	ND
Dichlorvos (DDVP)	--	0.00005	ND
Dieldrin	--	0.0002	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Dibenz(a,h)Anthracene	--	0.00005	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Diethylphthalate	--	0.0005	ND
Dimethylphthalate	--	0.0005	ND
Dimethoate	--	0.0001	ND
Di-n-Butylphthalate	--	0.001	ND
Di-n-Octylphthalate	--	0.0001	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
EPA 525.2 continued:			
2,4-Dinitrotoluene	--	0.0001	ND
2,6-Dinitrotoluene	--	0.0001	ND
Endosulfan I (Alpha)	--	0.0001	ND
Endosulfan II (Beta)	--	0.0001	ND
Endosulfan Sulfate	--	0.0001	ND
Endrin Aldehyde	--	0.0001	ND
EPTC	--	0.0001	ND
Fluoranthene	--	0.0001	ND
Fluorene	--	0.00005	ND
Heptachlor	0.0004	0.00003	ND
Hexachlorobenzene	0.001	0.00005	ND
Hexachlorocyclopentadiene	0.05	0.00005	ND
Indeno(1,2,3-cd)Pyrene	--	0.00005	ND
Isophorone	--	0.0005	ND
Malathion	--	0.0001	ND
Metolachlor	--	0.00005	ND
Metribuzin	--	0.00005	ND
Molinate	--	0.0001	ND
Naphthalene	--	0.0003	ND
trans-Nonachlor	--	0.00005	ND
Parathion	--	0.0001	ND
Pendimethalin	--	0.0001	ND
Permethrin	--	0.0001	ND
Phenanthrene	--	0.00004	ND
Propachlor	--	0.00005	ND
Pyrene	--	0.00005	ND
Simazine	0.004	0.00005	ND
Terbacil	--	0.0001	ND
Terbuthylazine	--	0.0001	ND
Thiobencarb	--	0.0002	ND
Trifluralin	--	0.0001	ND
EPA 531.2:			
Aldicarb (TEMIK)	0.007	0.0005	ND
Aldicarb sulfone	0.007	0.0005	ND
Aldicarb sulfoxide	0.007	0.0005	ND
Baygon (PROPOXUR)	--	0.0005	ND
Carbaryl	--	0.0005	ND
Carbofuran (FURADAN)	0.04	0.0005	ND
3-Hydroxycarbofuran	--	0.0005	ND
Methiocarb	--	0.0005	ND
Methomyl	--	0.0005	ND
Oxamyl (VYDATE)	0.2	0.0005	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.005	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND
Paraquat	--	0.002	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CGR 5 SPRING SOURCE 219-10963, 219-11148 (mg/L)
EPA 1613:			
2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND
Disinfection Byproducts			
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Miscellaneous			
EPA 314.0:			
Perchlorate	0.002	0.002	ND

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

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Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
03/29/2013

Linda Geddes
EUROFINS EATON ANALYTICAL

DST: David S Tripp
Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 428305
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-010
Georgia	947	**Pennsylvania**	68-565
Guam	11-004r	**Rhode Island**	01114CA
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-11-2
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA110022	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

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Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 428305
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **March 14, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201303150105	OW7D	03/13/2013 1115

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

CHAIN OF CUSTODY RECORD

428305

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: JS

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:

☐ Colton / No. California / Arizona _____ ℃ (Compliance: 4 ± 2 ℃)

☑ Monrovia 5.1 ℃ (Compliance: 4 ± 2 ℃)

CONDITION OF BLUE ICE: Frozen ✓ Partially Frozen _____ Thawed _____ Wet Ice _____ No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:	PROJECT CODE:	COMPLIANCE SAMPLES (check for yes) ☐ / NON-COMPLIANCE SAMPLES (check for yes) ☐
		- Requires state forms ☐ / REGULATION INVOLVED:
EEA CLIENT CODE: / COC ID:	SAMPLE GROUP:	Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)
		SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), *OR*
TAT requested: rush by adv notice only	STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	See List attached												SAMPLER COMMENTS
3/13	1115	OW7D		RGW			X												

* **MATRIX TYPES:** **RSW** = Raw Surface Water; **RGW** = Raw Ground Water; **CFW** = Chlor(am)inated Finished Water; **FW** = Other Finished Water; **SEAW** = Sea Water; **WW** = Waste Water; **BW** = Bottled Water; **SW** = Storm Water; **SO** = Soil; **SL** = Sludge; **O** = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Manuel L	Manuel L	CG Roxane LLC	3/13/13	1115
RELINQUISHED BY:					
RECEIVED BY:				3-14-13	1248
RELINQUISHED BY:					
RECEIVED BY:					

PAGE ____ OF ____

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (626) 386-1101

Kit Order for Crystal Geyser Roxane

David S Tripp is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 64038
Created By: DST
Order Date: 02/15/2013
Ship By: 02/05/2013
STG: Bottle Orders

Client ID: CRYSTAL-ROX
Project Code: CGR-OLANCHA Bottle Orders
Group Name: General Mineral & Bromide
PO#/JOB#:

Ship Sample Kits to
Crystal Geyser Roxane
1210 South Highway 395
Olancha, CA 93549

Attn: Manuel Luna - Shipping
Phone: 760-764-1822
Fax: 760-764-2861

Send Report to
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822
Fax: 760-764-2157

Billing Address
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Barbie Button
Phone: 760-764-2885
Fax: 760-764-2026

# of Samples	Tests	Bottles - Qty for each sample, type & preservative if a	UN DOT #
7	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant), Specific Conductance, Arsenic dissolved ICAP/MS, Turbidity	1 125ml poly no preservative	
1	@ICP, @ICPMS, Mercury	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
6	@ICP, @ICPMS, Mercury	1 500ml acid poly 2ml HNO3 (18%)	UN2031
7	Bromide by 300.1	1 60mL poly 0.60mL 5% EDA sol'n	
7	Surfactants	1 500ml poly no preservative	
7	Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

SHIPPING: Please deliver by Friday 02/15 - 7 separate kits.

LOGIN: Please make note when logging in that As and Br are for the low-level versions (0.2 & 2.0 ug/L respectively). GMMST22 includes pH, sodium, and Turbidity is added.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

From: (760) 764-2885
Manuel Luna
CG Roxane LLC
1210 s. hwy 395

Olancha, CA 93549

Origin ID: IYKA

FedEx Express

J13101212190326

Ship Date: 13MAR13
ActWgt: 10.0 LB
CAD: 7147219/INET3370

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (626) 386-1158

David
Eurofins Lab
750 ROYAL OAKS DR
STE 100
MONROVIA, CA 91016

BILL SENDER

2 of 3

MPS# 7992 7180 2041
0263

Mstr# 7992 7180 1870

0201

THU - 14 MAR 3:00P
STANDARD OVERNIGHT

91016
CA-US
BUR

92 WHPA

518G2/DCF8/93AB

After printing this label:
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Laboratory Hits
Report: 428305

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201303150105	**OW7D**				
03/19/2013 11:37	Agressiveness Index-Calculated		12		None	0.1
03/18/2013 16:41	Alkalinity in CaCO3 units		67		mg/L	2
03/19/2013 11:30	Anion Sum - Calculated		1.6		meq/L	0.001
03/26/2013 14:26	Arsenic dissolved ICAP/MS		9.0		ug/L	1
03/19/2013 14:35	Arsenic Total ICAP/MS		9.1	10	ug/L	1
03/19/2013 14:35	Barium Total ICAP/MS		7.1	2000	ug/L	2
03/19/2013 11:37	Bicarb.Alkalinity as HCO3calc		81		mg/L	2
03/18/2013 22:56	Bromide by 300.1		8.6		ug/L	2
03/15/2013 23:47	Calcium Total ICAP		15		mg/L	1
03/18/2013 09:52	Cation Sum - Calculated		1.8		meq/L	0.001
03/14/2013 14:13	Chloride		1.4	250	mg/L	1
03/19/2013 14:35	Chromium Total ICAP/MS		1.6	100	ug/L	1
03/20/2013 22:21	Fluoride		0.17	4	mg/L	0.05
03/19/2013 11:41	Langelier Index - 25 degree		-0.15		None	
03/19/2013 11:37	Langelier Index at 60 degrees C		0.29		None	
03/15/2013 23:47	Magnesium Total ICAP		2.0		mg/L	0.1
03/18/2013 16:41	PH (H3=past HT not compliant)		8.2		Units	0.1
03/28/2013 02:49	pH of CaCO3 saturation(25C)		8.4		Units	0.1
03/19/2013 11:37	pH of CaCO3 saturation(60C)		7.9		Units	0.1
03/15/2013 23:47	Potassium Total ICAP		1.7		mg/L	1
03/15/2013 23:47	Sodium Total ICAP		19		mg/L	1
03/18/2013 16:41	Specific Conductance, 25 C		170		umho/cm	2
03/14/2013 14:13	Sulfate		10	250	mg/L	0.5
03/19/2013 13:09	Total Dissolved Solids (TDS)		110	500	mg/L	10
03/18/2013 09:52	Total Hardness as CaCO3 by ICP (calc)		46		mg/L	3
03/14/2013 15:39	Turbidity		0.095	5	NTU	0.05

SUMMARY OF POSITIVE DATA ONLY

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1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 428305

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
OW7D (201303150105)						**Sampled on 03/13/2013 1115**		
			EPA 200.8 - ICPMS Metals					
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Aluminum Total ICAP/MS	ND	ug/L	20	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/26/2013 14:26	699842	(EPA 200.8)	Arsenic dissolved ICAP/MS	9.0	ug/L	1	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Arsenic Total ICAP/MS	9.1	ug/L	1	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Barium Total ICAP/MS	7.1	ug/L	2	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Chromium Total ICAP/MS	1.6	ug/L	1	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/15/2013	03/26/2013 13:04	699747	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/19/2013 14:35	698746	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/15/2013	03/15/2013 23:47	698217	(EPA 200.7)	Calcium Total ICAP	15	mg/L	1	1
3/15/2013	03/15/2013 23:47	698217	(EPA 200.7)	Iron Total ICAP	ND	mg/L	0.02	1
3/15/2013	03/15/2013 23:47	698217	(EPA 200.7)	Magnesium Total ICAP	2.0	mg/L	0.1	1
3/15/2013	03/15/2013 23:47	698217	(EPA 200.7)	Potassium Total ICAP	1.7	mg/L	1	1
3/15/2013	03/15/2013 23:47	698217	(EPA 200.7)	Sodium Total ICAP	19	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/20/2013	03/21/2013 13:33	699131	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/19/2013 11:37		(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/19/2013 11:37		(SM 2330B)	pH of CaCO3 saturation(60C)	7.9	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/19/2013 11:37		(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/19/2013 11:41		(SM 2330B)	Langelier Index - 25 degree	-0.15	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/19/2013 11:41		(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428305

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/18/2013	09:52	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	46	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/19/2013	11:30	(SM 1030E)	Anion Sum - Calculated	1.6	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/18/2013	09:52	(SM 1030E)	Cation Sum - Calculated	1.8	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/28/2013	02:49	(SM 2330B)	pH of CaCO3 saturation(25C)	8.4	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/19/2013	11:37	(SM2330B)	Bicarb.Alkalinity as HCO3calc	81	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/19/2013	11:37	(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/19/2013	11:37	(SM 2330B)	Langelier Index at 60 degrees C	0.29	None		1
			SM 1030E - Cation/Anion Difference					
	03/28/2013	02:49	(SM 1030E)	Cation/Anion Difference	6.0	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	03/14/2013	14:13 698127	(EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/L	0.1	1
	03/14/2013	14:13 698127	(EPA 300.0)	Nitrate as NO3 (calc)	ND	mg/L	0.44	1
	03/14/2013	14:13 698127	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	03/14/2013	14:13 698127	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	ND	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/18/2013	22:56 698588	(EPA 300.1)	Bromide by 300.1	8.6	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	03/14/2013	14:13 698130	(EPA 300.0)	Chloride	1.4	mg/L	1	1
	03/14/2013	14:13 698130	(EPA 300.0)	Sulfate	10	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/20/2013	22:21 699121	(SM 4500F-C)	Fluoride	0.17	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/18/2013	16:41 698530	(SM 2320B)	Alkalinity in CaCO3 units	67	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/18/2013	03/19/2013	13:09 698639	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	110	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/18/2013	16:41 698466	(SM4500-HB)	PH (H3=past HT not compliant)	8.2	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	03/14/2013	17:49 698499	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

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Laboratory Data
Report: 428305

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/14/2013 15:39	697954	(EPA 180.1)	Turbidity	0.095	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/18/2013 16:41	698532	(SM2510B)	Specific Conductance, 25 C	170	umho/cm	2	1

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Laboratory Comments
Report: 428305

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 697954 - Turbidity — **Analysis Date: 03/14/2013**
201303150105 OW7D — Analyzed by: ADV

QC Ref # 698127 - Nitrate, Nitrite by EPA 300.0 — **Analysis Date: 03/14/2013**
201303150105 OW7D — Analyzed by: CYP

QC Ref # 698130 - Chloride, Sulfate by EPA 300.0 — **Analysis Date: 03/14/2013**
201303150105 OW7D — Analyzed by: CYP

QC Ref # 698217 - ICP Metals — **Analysis Date: 03/15/2013**
201303150105 OW7D — Analyzed by: NINA

QC Ref # 698466 - PH (H3=past HT not compliant) — **Analysis Date: 03/18/2013**
201303150105 OW7D — Analyzed by: JMO

QC Ref # 698499 - Surfactants — **Analysis Date: 03/14/2013**
201303150105 OW7D — Analyzed by: LLL

QC Ref # 698530 - Alkalinity in CaCO3 units — **Analysis Date: 03/18/2013**
201303150105 OW7D — Analyzed by: JMO

QC Ref # 698532 - Specific Conductance — **Analysis Date: 03/18/2013**
201303150105 OW7D — Analyzed by: JMO

QC Ref # 698588 - Disinfection ByProducts by 300.1 — **Analysis Date: 03/18/2013**
201303150105 OW7D — Analyzed by: TLH

QC Ref # 698639 - Total Dissolved Solids (TDS) — **Analysis Date: 03/19/2013**
201303150105 OW7D — Analyzed by: JRF

QC Ref # 698746 - ICPMS Metals — **Analysis Date: 03/19/2013**
201303150105 OW7D — Analyzed by: SXK

QC Ref # 699121 - Fluoride — **Analysis Date: 03/20/2013**
201303150105 OW7D — Analyzed by: MXT

QC Ref # 699131 - Mercury Total — **Analysis Date: 03/21/2013**
201303150105 OW7D — Analyzed by: MXT

QC Ref # 699747 - ICPMS Metals — **Analysis Date: 03/26/2013**
201303150105 OW7D — Analyzed by: SXK

QC Ref # 699842 - ICPMS Metals — **Analysis Date: 03/26/2013**
201303150105 OW7D — Analyzed by: SXK

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 697954 - Turbidity by EPA 180.1						**Analysis Date: 03/14/2013**			
DUP1_201303140103	Turbidity	0.17		0.173	NTU		(0-20)	20	0.58
DUP2_201303140099	Turbidity	0.097		0.0940	NTU		(0-20)	20	3.1
LCS1	Turbidity		20	19.9	NTU	100	(90-110)		
LCS2	Turbidity		20	19.9	NTU	100	(90-110)	20	0.0
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0610	NTU	122	(50-150)		
QC Ref# 698127 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 03/14/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.46	mg/L	99	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.47	mg/L	99	(90-110)	20	0.41
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0457	mg/L	91	(50-150)		
MS_201303110114	Nitrate as Nitrogen by IC	0.26	1.3	1.52	mg/L	101	(80-120)		
MS_201303110110	Nitrate as Nitrogen by IC	ND	1.3	1.29	mg/L	102	(80-120)		
MSD_201303110110	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	103	(80-120)	20	0.77
MSD_201303110114	Nitrate as Nitrogen by IC	0.26	1.3	1.53	mg/L	102	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.955	mg/L	96	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.954	mg/L	95	(90-110)	20	0.11
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0465	mg/L	93	(50-150)		
MS_201303110114	Nitrite Nitrogen by IC	ND	0.5	0.487	mg/L	97	(80-120)		
MS_201303110110	Nitrite Nitrogen by IC	ND	0.5	0.479	mg/L	96	(80-120)		
MSD_201303110110	Nitrite Nitrogen by IC	ND	0.5	0.481	mg/L	96	(80-120)	20	0.42
MSD_201303110114	Nitrite Nitrogen by IC	ND	0.5	0.488	mg/L	98	(80-120)	20	0.21
QC Ref# 698130 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 03/14/2013**			
LCS1	Chloride		25	25.4	mg/L	102	(90-110)		
LCS2	Chloride		25	25.4	mg/L	102	(90-110)	20	0.0
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.410	mg/L	82	(50-150)		
MS_201303110114	Chloride	3.8	13	17.1	mg/L	107	(80-120)		
MS_201303110110	Chloride	17	13	30.2	mg/L	108	(80-120)		
MSD_201303110110	Chloride	17	13	30.2	mg/L	109	(80-120)	20	0.33
MSD_201303110114	Chloride	3.8	13	17.2	mg/L	107	(80-120)	20	0.58
LCS1	Sulfate		50	50.3	mg/L	101	(90-110)		
LCS2	Sulfate		50	50.6	mg/L	101	(90-110)	20	0.60
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.924	mg/L	92	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
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Report: 428305

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRLLW	Sulfate		0.25	0.239	mg/L	95	(50-150)		
MS_201303110114	Sulfate	10	25	36.6	mg/L	104	(80-120)		
MS_201303110110	Sulfate	14	25	40.3	mg/L	107	(80-120)		
MSD_201303110110	Sulfate	14	25	40.4	mg/L	107	(80-120)	20	0.50
MSD_201303110114	Sulfate	10	25	36.7	mg/L	105	(80-120)	20	0.27
QC Ref# 698217 - ICP Metals by EPA 200.7						**Analysis Date: 03/15/2013**			
LCS1	Calcium Total ICAP		50	45.2	mg/L	91	(85-115)		
LCS2	Calcium Total ICAP		50	45.8	mg/L	92	(85-115)	20	1.3
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	0.918	mg/L	92	(50-150)		
MS_201303140163	Calcium Total ICAP	37	50	82.4	mg/L	92	(70-130)		
MS2_201303140437	Calcium Total ICAP	9.1	50	54.2	mg/L	90	(70-130)		
MSD_201303140163	Calcium Total ICAP	37	50	82.8	mg/L	92	(70-130)	20	0.48
MSD2_201303140437	Calcium Total ICAP	9.1	50	55.6	mg/L	93	(70-130)	20	2.5
LCS1	Iron Total ICAP		5.0	4.81	mg/L	96	(85-115)		
LCS2	Iron Total ICAP		5.0	4.80	mg/L	96	(85-115)	20	0.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0189	mg/L	94	(50-150)		
MS_201303140163	Iron Total ICAP	ND	5.0	4.87	mg/L	97	(70-130)		
MS2_201303140437	Iron Total ICAP	0.093	5.0	4.89	mg/L	96	(70-130)		
MSD_201303140163	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)	20	0.41
MSD2_201303140437	Iron Total ICAP	0.093	5.0	4.91	mg/L	96	(70-130)	20	0.41
LCS1	Magnesium Total ICAP		20	20.3	mg/L	101	(85-115)		
LCS2	Magnesium Total ICAP		20	20.1	mg/L	101	(85-115)	20	0.99
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.101	mg/L	101	(50-150)		
MS_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)		
MS2_201303140437	Magnesium Total ICAP	5.8	20	26.0	mg/L	101	(70-130)		
MSD_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)	20	0.40
MSD2_201303140437	Magnesium Total ICAP	5.8	20	26.3	mg/L	102	(70-130)	20	1.1
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.2	mg/L	96	(85-115)	20	3.1
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.967	mg/L	97	(50-150)		
MS_201303140163	Potassium Total ICAP	1.0	20	21.1	mg/L	100	(70-130)		
MS2_201303140437	Potassium Total ICAP	1.6	20	20.6	mg/L	95	(70-130)		
MSD_201303140163	Potassium Total ICAP	1.0	20	20.8	mg/L	99	(70-130)	20	1.4
MSD2_201303140437	Potassium Total ICAP	1.6	20	21.0	mg/L	97	(70-130)	20	1.9

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.1	mg/L	100	(85-115)	20	1.6
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.00	mg/L	100	(50-150)		
MS_201303140163	Sodium Total ICAP	15	50	66.2	mg/L	102	(70-130)		
MS2_201303140437	Sodium Total ICAP	7.6	50	57.8	mg/L	100	(70-130)		
MSD_201303140163	Sodium Total ICAP	15	50	65.4	mg/L	100	(70-130)	20	1.2
MSD2_201303140437	Sodium Total ICAP	7.6	50	59.4	mg/L	104	(70-130)	20	2.7
QC Ref# 698466 - PH (H3=past HT not compliant) by SM4500-HB						**Analysis Date: 03/18/2013**			
DUP_201303140036	PH (H3=past HT not compliant)	7.8		7.81	Units		(0-20)	20	0.0
DUP_201303150105	PH (H3=past HT not compliant)	8.2		8.18	Units		(0-20)	20	0.24
LCS3	PH (H3=past HT not compliant)		8.0	8.00	Units	100	(99-101)		
LCS4	PH (H3=past HT not compliant)		8.0	7.99	Units	100	(99-101)	20	0.13
QC Ref# 698499 - Surfactants by SM 5540C/EPA 425.1						**Analysis Date: 03/14/2013**			
LCS1	Surfactants		0.2	0.197	mg/L	98	(90-110)		
LCS2	Surfactants		0.2	0.193	mg/L	97	(90-110)	20	2.0
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0278	mg/L	56	(50-150)		
MS_201303150141	Surfactants	ND	0.2	0.199	mg/L	99	(80-120)		
MSD_201303150141	Surfactants	ND	0.2	0.221	mg/L	111	(80-120)	20	11
QC Ref# 698530 - Alkalinity in CaCO3 units by SM 2320B						**Analysis Date: 03/18/2013**			
LCS1	Alkalinity in CaCO3 units		100	96.8	mg/L	97	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	99.0	mg/L	99	(90-110)	20	2.4
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	2.20	mg/L	110	(50-150)		
MS_201303110108	Alkalinity in CaCO3 units	ND	100	96.6	mg/L	96	(80-120)		
MS_201303120827	Alkalinity in CaCO3 units	14	100	113	mg/L	99	(80-120)		
MSD_201303120827	Alkalinity in CaCO3 units	14	100	112	mg/L	98	(80-120)	20	0.89
MSD_201303110108	Alkalinity in CaCO3 units	ND	100	96.3	mg/L	96	(80-120)	20	0.31
QC Ref# 698532 - Specific Conductance by SM2510B						**Analysis Date: 03/18/2013**			
DUP1_201303150105	Specific Conductance	170		172	umho/cm		(0-20)	20	0.058
DUP1_201303190209	Specific Conductance	650		653	umho/cm		(0-20)	20	0.29
LCS1	Specific Conductance		1000	989	umho/cm	99	(95-105)		
LCS2	Specific Conductance		1000	992	umho/cm	99	(95-105)	20	0.30
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	1.80	umho/cm	90	(50-150)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 428305

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 698588 - Disinfection ByProducts by 300.1 by EPA 300.1						**Analysis Date: 03/18/2013**			
LCS1	Bromide by 300.1		10	10.4	ug/L	104	(90-110)		
LCS2	Bromide by 300.1		10	9.16	ug/L	92	(90-110)	20	13
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	1.78	ug/L	89	(50-150)		
MS_201302280034	Bromide by 300.1	ND	10	10.4	ug/L	104	(85-115)		
MSD_201302280034	Bromide by 300.1	ND	10	10.6	ug/L	106	(85-115)	20	1.9
QC Ref# 698639 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/19/2013**			
DUP_201303150134	Total Dissolved Solid (TDS)	460		468	mg/L		(0-20)	20	1.3
DUP_201303150022	Total Dissolved Solid (TDS)	270		270	mg/L		(0-20)	20	0.0
LCS1	Total Dissolved Solid (TDS)		175	174	mg/L	99	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	690	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 698746 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/18/2013**			
LCS1	Aluminum Total ICAP/MS		200	198	ug/L	99	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	200	ug/L	100	(85-115)	20	1.0
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.0	ug/L	100	(50-150)		
MS_201303160105	Aluminum Total ICAP/MS	ND	200	179	ug/L	89	(70-130)		
MS2_201303160104	Aluminum Total ICAP/MS	ND	200	200	ug/L	95	(70-130)		
MSD_201303160105	Aluminum Total ICAP/MS	ND	200	180	ug/L	90	(70-130)	20	0.56
MSD2_201303160104	Aluminum Total ICAP/MS	ND	200	198	ug/L	93	(70-130)	20	1.0
LCS1	Antimony Total ICAP/MS		50	51.7	ug/L	103	(85-115)		
LCS2	Antimony Total ICAP/MS		50	52.7	ug/L	105	(85-115)	20	1.9
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.01	ug/L	101	(50-150)		
MS_201303160105	Antimony Total ICAP/MS	ND	50	50.5	ug/L	101	(70-130)		
MS2_201303160104	Antimony Total ICAP/MS	ND	50	54.3	ug/L	109	(70-130)		
MSD_201303160105	Antimony Total ICAP/MS	ND	50	50.9	ug/L	102	(70-130)	20	0.79
MSD2_201303160104	Antimony Total ICAP/MS	ND	50	53.4	ug/L	107	(70-130)	20	1.7
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.930	ug/L	93	(50-150)		
LCS1	Arsenic Total ICAP/MS		20	20.1	ug/L	101	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.2	ug/L	101	(85-115)	20	0.50
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.930	ug/L	93	(50-150)		
MS_201303160105	Arsenic Total ICAP/MS	4.314	20	23.4	ug/L	95	(70-130)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303160104	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303160105	Arsenic Total ICAP/MS	4.314	20	23.6	ug/L	97	(70-130)	20	0.85
MSD2_201303160104	Arsenic Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	2.0
LCS1	Barium Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Barium Total ICAP/MS		100	106	ug/L	106	(85-115)	20	2.9
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.00	ug/L	100	(50-150)		
MS_201303160105	Barium Total ICAP/MS	20.99	100	119	ug/L	98	(70-130)		
MS2_201303160104	Barium Total ICAP/MS	22.21	100	131	ug/L	109	(70-130)		
MSD_201303160105	Barium Total ICAP/MS	20.99	100	121	ug/L	100	(70-130)	20	1.7
MSD2_201303160104	Barium Total ICAP/MS	22.21	100	128	ug/L	106	(70-130)	20	2.3
LCS1	Beryllium Total ICAP/MS		5.0	4.93	ug/L	99	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.03	ug/L	101	(85-115)	20	2.0
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.958	ug/L	96	(50-150)		
MS_201303160105	Beryllium Total ICAP/MS	ND	5.0	5.25	ug/L	105	(70-130)		
MS2_201303160104	Beryllium Total ICAP/MS	ND	5.0	5.66	ug/L	113	(70-130)		
MSD_201303160105	Beryllium Total ICAP/MS	ND	5.0	5.22	ug/L	104	(70-130)	20	0.57
MSD2_201303160104	Beryllium Total ICAP/MS	ND	5.0	5.58	ug/L	112	(70-130)	20	1.4
LCS1	Cadmium Total ICAP/MS		20	20.5	ug/L	102	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.9	ug/L	104	(85-115)	20	1.9
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.548	ug/L	110	(50-150)		
MS_201303160105	Cadmium Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MS2_201303160104	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303160105	Cadmium Total ICAP/MS	ND	20	19.0	ug/L	95	(70-130)	20	1.1
MSD2_201303160104	Cadmium Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	0.95
LCS1	Chromium Total ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Chromium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.993	ug/L	99	(50-150)		
MS_201303160105	Chromium Total ICAP/MS	ND	100	93.3	ug/L	93	(70-130)		
MS2_201303160104	Chromium Total ICAP/MS	ND	100	97.9	ug/L	98	(70-130)		
MSD_201303160105	Chromium Total ICAP/MS	ND	100	94.4	ug/L	94	(70-130)	20	1.2
MSD2_201303160104	Chromium Total ICAP/MS	ND	100	97.3	ug/L	97	(70-130)	20	0.62
LCS1	Copper Total ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Copper Total ICAP/MS		100	102	ug/L	102	(85-115)	20	0.0
MBLK	Copper Total ICAP/MS			<2	ug/L				

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Copper Total ICAP/MS		2.0	2.07	ug/L	103	(50-150)		
MS_201303160105	Copper Total ICAP/MS	ND	100	92.4	ug/L	91	(70-130)		
MS2_201303160104	Copper Total ICAP/MS	ND	100	101	ug/L	99	(70-130)		
MSD_201303160105	Copper Total ICAP/MS	ND	100	92.9	ug/L	92	(70-130)	20	0.54
MSD2_201303160104	Copper Total ICAP/MS	ND	100	98.6	ug/L	97	(70-130)	20	2.4
LCS1	Lead Total ICAP/MS		20	20.7	ug/L	103	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.1	ug/L	105	(85-115)	20	1.9
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.511	ug/L	102	(50-150)		
MS_201303160105	Lead Total ICAP/MS	ND	20	18.9	ug/L	94	(70-130)		
MS2_201303160104	Lead Total ICAP/MS	ND	20	21.2	ug/L	105	(70-130)		
MSD_201303160105	Lead Total ICAP/MS	ND	20	19.3	ug/L	97	(70-130)	20	2.1
MSD2_201303160104	Lead Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	1.9
LCS1	Manganese Total ICAP/MS		50	50.2	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.7	ug/L	101	(85-115)	20	0.99
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.15	ug/L	108	(50-150)		
MS_201303160105	Manganese Total ICAP/MS	ND	50	45.3	ug/L	91	(70-130)		
MS2_201303160104	Manganese Total ICAP/MS	ND	50	49.7	ug/L	98	(70-130)		
MSD_201303160105	Manganese Total ICAP/MS	ND	50	45.7	ug/L	91	(70-130)	20	0.88
MSD2_201303160104	Manganese Total ICAP/MS	ND	50	49.0	ug/L	96	(70-130)	20	1.4
LCS1	Nickel Total ICAP/MS		50	50.4	ug/L	101	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.3	ug/L	103	(85-115)	20	1.8
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	4.95	ug/L	99	(50-150)		
MS_201303160105	Nickel Total ICAP/MS	ND	50	44.5	ug/L	89	(70-130)		
MS2_201303160104	Nickel Total ICAP/MS	ND	50	48.6	ug/L	96	(70-130)		
MSD_201303160105	Nickel Total ICAP/MS	ND	50	45.2	ug/L	90	(70-130)	20	1.6
MSD2_201303160104	Nickel Total ICAP/MS	ND	50	48.0	ug/L	95	(70-130)	20	1.2
LCS1	Selenium Total ICAP/MS		20	20.5	ug/L	102	(85-115)		
LCS2	Selenium Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	0.49
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.44	ug/L	109	(50-150)		
MS_201303160105	Selenium Total ICAP/MS	ND	20	19.4	ug/L	95	(70-130)		
MS2_201303160104	Selenium Total ICAP/MS	ND	20	21.3	ug/L	104	(70-130)		
MSD_201303160105	Selenium Total ICAP/MS	ND	20	19.8	ug/L	97	(70-130)	20	2.0
MSD2_201303160104	Selenium Total ICAP/MS	ND	20	20.7	ug/L	101	(70-130)	20	2.9
LCS1	Thallium Total ICAP/MS		20	20.5	ug/L	102	(85-115)		

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Thallium Total ICAP/MS		20	20.8	ug/L	104	(85-115)	20	1.5
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.02	ug/L	101	(50-150)		
MS_201303160105	Thallium Total ICAP/MS	ND	20	17.7	ug/L	88	(70-130)		
MS2_201303160104	Thallium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)		
MSD_201303160105	Thallium Total ICAP/MS	ND	20	17.7	ug/L	89	(70-130)	20	0.0
MSD2_201303160104	Thallium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	1.9
LCS1	Zinc Total ICAP/MS		100	101	ug/L	101	(85-115)		
LCS2	Zinc Total ICAP/MS		100	101	ug/L	101	(85-115)	20	0.0
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	20.3	ug/L	102	(50-150)		
MS_201303160105	Zinc Total ICAP/MS	ND	100	95.1	ug/L	94	(70-130)		
MS2_201303160104	Zinc Total ICAP/MS	ND	100	106	ug/L	101	(70-130)		
MSD_201303160105	Zinc Total ICAP/MS	ND	100	95.1	ug/L	94	(70-130)	20	0.0
MSD2_201303160104	Zinc Total ICAP/MS	ND	100	106	ug/L	101	(70-130)	20	0.0
QC Ref# 699121 - Fluoride by SM 4500F-C						**Analysis Date: 03/20/2013**			
LCS1	Fluoride		1.0	1.09	mg/L	109	(81-116)		
LCS2	Fluoride		1.0	1.08	mg/L	108	(81-116)	20	0.92
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0514	mg/L	103	(50-150)		
MS_201303140196	Fluoride	ND	1.0	1.03	mg/L	100	(73-124)		
MS2_201303150105	Fluoride	0.17	1.0	1.24	mg/L	107	(73-124)		
MSD_201303140196	Fluoride	ND	1.0	1.05	mg/L	102	(73-124)	20	1.9
MSD2_201303150105	Fluoride	0.17	1.0	1.17	mg/L	99	(73-124)	20	5.8
QC Ref# 699131 - Mercury Total by EPA 245.1						**Analysis Date: 03/21/2013**			
LCS1	Mercury		1.5	1.50	ug/L	100	(85-115)		
LCS2	Mercury		1.5	1.41	ug/L	94	(85-115)	20	6.2
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.203	ug/L	102	(50-150)		
MS_201303150127	Mercury	ND	1.5	1.59	ug/L	105	(70-130)		
MS_201303150105	Mercury	ND	1.5	1.49	ug/L	99	(70-130)		
MSD_201303150105	Mercury	ND	1.5	1.49	ug/L	100	(70-130)	20	0.0
MSD_201303150127	Mercury	ND	1.5	1.60	ug/L	106	(70-130)	20	0.63
QC Ref# 699747 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/26/2013**			
LCS1	Silver Total ICAP/MS		50	50.1	ug/L	100	(85-115)		
LCS2	Silver Total ICAP/MS		50	50.8	ug/L	102	(85-115)	20	1.4
MBLK	Silver Total ICAP/MS			<0.5	ug/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Silver Total ICAP/MS		0.5	0.485	ug/L	97	(50-150)		
MS_201303190572	Silver Total ICAP/MS	ND	50	50.4	ug/L	101	(70-130)		
MS2_201303190584	Silver Total ICAP/MS	ND	50	49.4	ug/L	99	(70-130)		
MSD_201303190572	Silver Total ICAP/MS	ND	50	49.2	ug/L	98	(70-130)	20	2.4
MSD2_201303190584	Silver Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)	20	1.2
QC Ref# 699842 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/26/2013**			
LCS1	Aluminum Total ICAP/MS		200	214	ug/L	107	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	219	ug/L	110	(85-115)	20	2.3
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.4	ug/L	102	(50-150)		
MS_201303260003	Aluminum Total ICAP/MS	ND	200	199	ug/L	95	(70-130)		
MS2_201303210041	Aluminum Total ICAP/MS	ND	200	202	ug/L	101	(70-130)		
MSD_201303260003	Aluminum Total ICAP/MS	ND	200	200	ug/L	95	(70-130)	20	0.50
MSD2_201303210041	Aluminum Total ICAP/MS	ND	200	199	ug/L	100	(70-130)	20	1.5
LCS1	Antimony Total ICAP/MS		50	55.2	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	56.4	ug/L	113	(85-115)	20	2.0
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	101	(50-150)		
MS_201303260003	Antimony Total ICAP/MS	ND	50	51.6	ug/L	103	(70-130)		
MS2_201303210041	Antimony Total ICAP/MS	ND	50	53.1	ug/L	106	(70-130)		
MSD_201303260003	Antimony Total ICAP/MS	ND	50	51.8	ug/L	103	(70-130)	20	0.39
MSD2_201303210041	Antimony Total ICAP/MS	ND	50	52.9	ug/L	106	(70-130)	20	0.38
LCS1	Arsenic dissolved ICAP/MS		20	21.3	ug/L	106	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.6	ug/L	108	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.818	ug/L	82	(50-150)		
MS_201303260003	Arsenic dissolved ICAP/MS	12.5	20	32.1	ug/L	98	(70-130)		
MS2_201303210041	Arsenic dissolved ICAP/MS	ND	20	20.6	ug/L	103	(70-130)		
MSD_201303260003	Arsenic dissolved ICAP/MS	12.5	20	32.0	ug/L	98	(70-130)	20	0.31
MSD2_201303210041	Arsenic dissolved ICAP/MS	ND	20	20.2	ug/L	101	(70-130)	20	2.0
LCS1	Arsenic Total ICAP/MS		20	21.3	ug/L	106	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.6	ug/L	108	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.818	ug/L	82	(50-150)		
MS_201303260003	Arsenic Total ICAP/MS	12.5	20	32.1	ug/L	98	(70-130)		
MS2_201303210041	Arsenic Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)		
MSD_201303260003	Arsenic Total ICAP/MS	12.5	20	32.0	ug/L	98	(70-130)	20	0.31
MSD2_201303210041	Arsenic Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)	20	2.0

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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(I) - Indicates internal standard compound.

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1 800 566 LABS (1 800 566 5227)

Laboratory QC
Report: 428305

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Barium Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Barium Total ICAP/MS		100	113	ug/L	113	(85-115)	20	2.7
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.20	ug/L	110	(50-150)		
MS_201303260003	Barium Total ICAP/MS	8.502	100	113	ug/L	104	(70-130)		
MS2_201303210041	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303260003	Barium Total ICAP/MS	8.502	100	113	ug/L	104	(70-130)	20	0.0
MSD2_201303210041	Barium Total ICAP/MS	ND	100	105	ug/L	105	(70-130)	20	1.9
LCS1	Beryllium Total ICAP/MS		5.0	5.16	ug/L	103	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.25	ug/L	105	(85-115)	20	1.7
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.790	ug/L	79	(50-150)		
MS_201303260003	Beryllium Total ICAP/MS	ND	5.0	5.10	ug/L	102	(70-130)		
MS2_201303210041	Beryllium Total ICAP/MS	ND	5.0	5.06	ug/L	101	(70-130)		
MSD_201303260003	Beryllium Total ICAP/MS	ND	5.0	5.15	ug/L	103	(70-130)	20	0.98
MSD2_201303210041	Beryllium Total ICAP/MS	ND	5.0	5.08	ug/L	102	(70-130)	20	0.39
LCS1	Cadmium Total ICAP/MS		20	21.8	ug/L	109	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	21.8	ug/L	109	(85-115)	20	0.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.516	ug/L	103	(50-150)		
MS_201303260003	Cadmium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MS2_201303210041	Cadmium Total ICAP/MS	ND	20	21.3	ug/L	107	(70-130)		
MSD_201303260003	Cadmium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	0.0
MSD2_201303210041	Cadmium Total ICAP/MS	ND	20	21.6	ug/L	108	(70-130)	20	1.4
LCS1	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	109	(85-115)	20	2.8
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.10	ug/L	110	(50-150)		
MS_201303260003	Chromium Total ICAP/MS	ND	100	95.7	ug/L	95	(70-130)		
MS2_201303210041	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MSD_201303260003	Chromium Total ICAP/MS	ND	100	95.6	ug/L	95	(70-130)	20	0.11
MSD2_201303210041	Chromium Total ICAP/MS	ND	100	99.5	ug/L	100	(70-130)	20	1.5
LCS1	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	1.95	ug/L	98	(50-150)		
MS_201303260003	Copper Total ICAP/MS	ND	100	97.2	ug/L	97	(70-130)		
MS2_201303210041	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 428305

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201303260003	Copper Total ICAP/MS	ND	100	96.6	ug/L	96	(70-130)	20	0.62
MSD2_201303210041	Copper Total ICAP/MS	ND	100	101	ug/L	101	(70-130)	20	0.99
LCS1	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.4	ug/L	112	(85-115)	20	1.8
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.535	ug/L	107	(50-150)		
MS_201303260003	Lead Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)		
MS2_201303210041	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201303260003	Lead Total ICAP/MS	ND	20	20.3	ug/L	101	(70-130)	20	0.49
MSD2_201303210041	Lead Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)	20	0.96
LCS1	Manganese Total ICAP/MS		50	53.0	ug/L	106	(85-115)		
LCS2	Manganese Total ICAP/MS		50	54.0	ug/L	108	(85-115)	20	2.0
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.10	ug/L	105	(50-150)		
MS_201303260003	Manganese Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)		
MS2_201303210041	Manganese Total ICAP/MS	ND	50	49.8	ug/L	100	(70-130)		
MSD_201303260003	Manganese Total ICAP/MS	ND	50	47.4	ug/L	95	(70-130)	20	0.42
MSD2_201303210041	Manganese Total ICAP/MS	ND	50	49.3	ug/L	99	(70-130)	20	1.0
LCS1	Nickel Total ICAP/MS		50	53.8	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	55.0	ug/L	110	(85-115)	20	2.2
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	4.74	ug/L	95	(50-150)		
MS_201303260003	Nickel Total ICAP/MS	ND	50	48.8	ug/L	96	(70-130)		
MS2_201303210041	Nickel Total ICAP/MS	ND	50	51.2	ug/L	102	(70-130)		
MSD_201303260003	Nickel Total ICAP/MS	ND	50	48.0	ug/L	94	(70-130)	20	1.6
MSD2_201303210041	Nickel Total ICAP/MS	ND	50	51.0	ug/L	102	(70-130)	20	0.39
LCS1	Selenium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.9	ug/L	110	(85-115)	20	1.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.15	ug/L	103	(50-150)		
MS_201303260003	Selenium Total ICAP/MS	ND	20	20.7	ug/L	102	(70-130)		
MS2_201303210041	Selenium Total ICAP/MS	ND	20	22.1	ug/L	110	(70-130)		
MSD_201303260003	Selenium Total ICAP/MS	ND	20	21.2	ug/L	105	(70-130)	20	2.9
MSD2_201303210041	Selenium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)	20	4.6
LCS1	Thallium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.5	ug/L	113	(85-115)	20	2.3
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.06	ug/L	106	(50-150)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201303260003	Thallium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)		
MS2_201303210041	Thallium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201303260003	Thallium Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)	20	0.50
MSD2_201303210041	Thallium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.48
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	110	ug/L	110	(85-115)	20	0.91
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.2	ug/L	106	(50-150)		
MS_201303260003	Zinc Total ICAP/MS	ND	100	101	ug/L	100	(70-130)		
MS2_201303210041	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303260003	Zinc Total ICAP/MS	ND	100	101	ug/L	100	(70-130)	20	0.0
MSD2_201303210041	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)	20	0.0

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BSK Analytical Laboratories
Engineering & Laboratories

A1A1063
01/28/2011

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Dear George Castaneda,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Enclosed are the results of analyses for samples received by the laboratory on 01/18/2011 10:00.

If additional clarification of any information is required, please contact your Client Services Representative, Renea Rangell at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

Renea Rangell

Renea Rangell
Client Services Manager

1414 Stanislaus Street Fresno, CA 93706 (559) 497-2888 FAX (559) 485-6935 www.bsklabs.com

BSK Analytical Laboratories
Engineering Laboratories

01/28/2011

Case Narrative

Work Order Information

Client Name:	Crystal Geyser	**Submitted by:**	Manuel Luna
Client Code:	Cryst6296	**Shipped by:**	Fed Ex
Work Order:	A1A1063	**COC Number:**	
Project:	General	**TAT:**	10
		PO #:	

Sample Receipt Conditions

Cooler: **Default Cooler** **Temp. °C:** 3

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Report Manager
George Castaneda

Report Format
FAL Final Report.rpt

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BSK Analytical Laboratories
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Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/28/2011 15:39
Received Date: 01/18/2011
Received Time: 10:00

Lab Sample ID: A1A1063-01
Sample Date: 01/17/2011 11:00
Sample Type: Grab
Sampled by: Manuel Luna
Matrix: Water

Sample Description: OW7-U

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100984	01/26/11	01/26/11	
Alkalinity as CaCO3	SM 2320 B	**70**	3.0	mg/L	1	A100709	01/19/11	01/19/11	
Bicarbonate as CaCO3	SM 2320 B	**70**	3.0	mg/L	1	A100709	01/19/11	01/19/11	
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100709	01/19/11	01/19/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100709	01/19/11	01/19/11	
Chloride	EPA 300.0	**2.4**	1.0	mg/L	1	A100656	01/18/11	01/18/11	
Conductivity @ 25C	SM 2510 B	**180**	1.0	umhos/cm	1	A100709	01/19/11	01/19/11	
Langelier Index	SM 2330 B	**-0.20**				A100984	01/26/11	01/26/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100744	01/19/11 10:50	01/19/11 10:50	
pH (1)	SM 4500-H+ B	**8.2**		pH Units	1	A100709	01/19/11	01/19/11	
pH Temperature in °C		**20.6**							
Sulfate as SO4	EPA 300.0	**19**	2.0	mg/L	1	A100656	01/18/11	01/18/11	
Total Dissolved Solids	SM 2540C	**140**	5.0	mg/L	1	A100760	01/20/11	01/21/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**18**	0.10	mg/L	1	A100937	01/25/11	01/25/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100937	01/25/11	01/25/11	
Hardness as CaCO3		**50**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100937	01/25/11	01/25/11	
Magnesium	EPA 200.7	**1.2**	0.10	mg/L	1	A100937	01/25/11	01/25/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100937	01/25/11	01/25/11	
Potassium	EPA 200.7	ND	2.0	mg/L	1	A100937	01/25/11	01/25/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100937	01/25/11	01/25/11	
Sodium	EPA 200.7	**20**	1.0	mg/L	1	A100937	01/25/11	01/25/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100937	01/25/11	01/25/11	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100656				Analyst: AJT		Prepared: 01/18/2011					
Blank (A100656-BLK1) EPA 300.0 - Quality Control											
Chloride	ND	1.0	mg/L							01/18/11	
Sulfate as SO4	ND	2.0	mg/L							01/18/11	
Blank Spike (A100656-BS1) EPA 300.0 - Quality Control											
Chloride	50	1.0	mg/L	50		100	90-110			01/18/11	
Sulfate as SO4	50	2.0	mg/L	50		100	90-110			01/18/11	
Blank Spike Dup (A100656-BSD1) EPA 300.0 - Quality Control											
Chloride	51	1.0	mg/L	50		101	90-110	1	10	01/18/11	
Sulfate as SO4	51	2.0	mg/L	50		102	90-110	2	10	01/18/11	
Matrix Spike (A100656-MS1) EPA 300.0 - Quality Control						Source: A1A1063-01					
Chloride	100	2.0	mg/L	100	2.4	100	80-120			01/18/11	
Sulfate as SO4	120	4.0	mg/L	100	19	102	80-120			01/18/11	
Matrix Spike (A100656-MS2) EPA 300.0 - Quality Control						Source: A1A1076-06					
Chloride	110	2.0	mg/L	100	6.2	106	80-120			01/18/11	
Sulfate as SO4	110	4.0	mg/L	100	7.2	106	80-120			01/18/11	
Matrix Spike Dup (A100656-MSD1) EPA 300.0 - Quality Control						Source: A1A1063-01					
Chloride	100	2.0	mg/L	100	2.4	101	80-120	1	10	01/18/11	
Sulfate as SO4	120	4.0	mg/L	100	19	102	80-120	0	10	01/18/11	
Matrix Spike Dup (A100656-MSD2) EPA 300.0 - Quality Control						Source: A1A1076-06					
Chloride	110	2.0	mg/L	100	6.2	106	80-120	0	10	01/18/11	
Sulfate as SO4	110	4.0	mg/L	100	7.2	106	80-120	0	10	01/18/11	
Batch: A100709				Analyst: CEG		Prepared: 01/19/2011					
Blank (A100709-BLK1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	ND	3.0	mg/L							01/19/11	
Bicarbonate as CaCO3	ND	3.0	mg/L							01/19/11	
Carbonate as CaCO3	ND	3.0	mg/L							01/19/11	
Conductivity @ 25C	ND	1.0	umhos/cm							01/19/11	
Hydroxide as CaCO3	ND	3.0	mg/L							01/19/11	
Blank Spike (A100709-BS1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	93	3.0	mg/L	100		93	80-120			01/19/11	
Blank Spike Dup (A100709-BSD1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	91	3.0	mg/L	100		91	80-120	2	20	01/19/11	
Duplicate (A100709-DUP1) SM 2320 B - Quality Control						Source: A1A1088-01					
Alkalinity as CaCO3	40	3.0	mg/L		41			3	10	01/19/11	
Bicarbonate as CaCO3	40	3.0	mg/L		41			3	10	01/19/11	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	01/19/11	
Conductivity @ 25C	97	1.0	umhos/cm		96			1	20	01/19/11	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	01/19/11	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100709				Analyst: CEG		Prepared: 01/19/2011					
Duplicate (A100709-DUP1) SM 4500-H+ B - Quality Control					**Source: A1A1088-01**						
pH (1)	7.8		pH Units		7.9			1	20	01/19/11	
Duplicate (A100709-DUP2) SM 2320 B - Quality Control					**Source: A1A1133-01**						
Alkalinity as CaCO3	110	3.0	mg/L		110			2	10	01/19/11	
Bicarbonate as CaCO3	110	3.0	mg/L		110			2	10	01/19/11	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	01/19/11	
Conductivity @ 25C	300	1.0	umhos/cm		300			0	20	01/19/11	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	01/19/11	
pH (1)	8.2		pH Units		8.2			0	20	01/19/11	
Batch: A100744				Analyst: MAT		Prepared: 01/19/2011					
Blank (A100744-BLK1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							01/19/11	
Blank Spike (A100744-BS1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	0.91	0.050	mg/L	1.0		91	80-120			01/19/11	
Blank Spike Dup (A100744-BSD1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	0.97	0.050	mg/L	1.0		97	80-120	7	20	01/19/11	
Matrix Spike (A100744-MS1) SM 5540 C - Quality Control					**Source: A1A1154-01**						
MBAS, Calculated as LAS, mol wt 340	1.0	0.050	mg/L	1.0	ND	102	80-120			01/19/11	
Matrix Spike Dup (A100744-MSD1) SM 5540 C - Quality Control					**Source: A1A1154-01**						
MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	112	80-120	9	20	01/19/11	
Batch: A100760				Analyst: DEH		Prepared: 01/20/2011					
Blank (A100760-BLK1) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/21/11	
Blank (A100760-BLK2) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/21/11	
Duplicate (A100760-DUP2) SM 2540C - Quality Control					**Source: A1A1178-01**						
Total Dissolved Solids	900	5.0	mg/L		900			0	20	01/21/11	

BSK Analytical Laboratories
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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100937				Analyst: NRE		Prepared: 01/25/2011					
Blank (A100937-BLK1)	**EPA 200.7 - Quality Control**										
Calcium	ND	0.10	mg/L							01/25/11	
Copper	ND	0.050	mg/L							01/25/11	
Iron	ND	0.050	mg/L							01/25/11	
Magnesium	ND	0.10	mg/L							01/25/11	
Manganese	ND	0.010	mg/L							01/25/11	
Potassium	ND	2.0	mg/L							01/25/11	
Silver	ND	0.010	mg/L							01/25/11	
Sodium	ND	1.0	mg/L							01/25/11	
Zinc	ND	0.050	mg/L							01/25/11	
Blank Spike (A100937-BS1)	**EPA 200.7 - Quality Control**										
Calcium	10	0.10	mg/L	10		101	85-115			01/25/11	
Copper	0.40	0.050	mg/L	0.40		101	85-115			01/25/11	
Iron	4.0	0.050	mg/L	4.0		101	85-115			01/25/11	
Magnesium	10	0.10	mg/L	10		100	85-115			01/25/11	
Manganese	0.41	0.010	mg/L	0.40		103	85-115			01/25/11	
Potassium	10	2.0	mg/L	10		102	85-115			01/25/11	
Silver	0.20	0.010	mg/L	0.20		102	85-115			01/25/11	
Sodium	9.9	1.0	mg/L	10		99	85-115			01/25/11	
Zinc	0.39	0.050	mg/L	0.40		98	85-115			01/25/11	
Blank Spike Dup (A100937-BSD1)	**EPA 200.7 - Quality Control**										
Calcium	10	0.10	mg/L	10		101	85-115	1	20	01/25/11	
Copper	0.41	0.050	mg/L	0.40		102	85-115	1	20	01/25/11	
Iron	3.9	0.050	mg/L	4.0		99	85-115	2	20	01/25/11	
Magnesium	10	0.10	mg/L	10		101	85-115	1	20	01/25/11	
Manganese	0.41	0.010	mg/L	0.40		102	85-115	0	20	01/25/11	
Potassium	10	2.0	mg/L	10		102	85-115	0	20	01/25/11	
Silver	0.21	0.010	mg/L	0.20		103	85-115	1	20	01/25/11	
Sodium	9.8	1.0	mg/L	10		98	85-115	1	20	01/25/11	
Zinc	0.40	0.050	mg/L	0.40		99	85-115	1	20	01/25/11	
Matrix Spike (A100937-MS1)	**EPA 200.7 - Quality Control**					**Source: A1A1019-01**					
Calcium	55	0.10	mg/L	20	36	93	70-130			01/25/11	
Copper	0.80	0.050	mg/L	0.80	ND	100	70-130			01/25/11	
Iron	7.7	0.050	mg/L	8.0	ND	97	70-130			01/25/11	
Magnesium	39	0.10	mg/L	20	19	96	70-130			01/25/11	
Manganese	0.80	0.010	mg/L	0.80	ND	100	70-130			01/25/11	
Potassium	21	2.0	mg/L	20	ND	103	70-130			01/25/11	
Silver	0.41	0.010	mg/L	0.40	ND	102	70-130			01/25/11	
Sodium	33	1.0	mg/L	20	14	95	70-130			01/25/11	
Zinc	0.79	0.050	mg/L	0.80	ND	98	70-130			01/25/11	
Matrix Spike Dup (A100937-MSD1)	**EPA 200.7 - Quality Control**					**Source: A1A1019-01**					
Calcium	55	0.10	mg/L	20	36	95	70-130	1	20	01/25/11	
Copper	0.80	0.050	mg/L	0.80	ND	100	70-130	0	20	01/25/11	
Iron	7.8	0.050	mg/L	8.0	ND	97	70-130	1	20	01/25/11	
Magnesium	39	0.10	mg/L	20	19	97	70-130	1	20	01/25/11	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100937				Analyst: NRE		Prepared: 01/25/2011					
Matrix Spike Dup (A100937-MSD1)	**EPA 200.7 - Quality Control**					**Source: A1A1019-01**					
Manganese	0.80	0.010	mg/L	0.80	ND	100	70-130	1	20	01/25/11	
Potassium	20	2.0	mg/L	20	ND	102	70-130	1	20	01/25/11	
Silver	0.41	0.010	mg/L	0.40	ND	102	70-130	1	20	01/25/11	
Sodium	34	1.0	mg/L	20	14	99	70-130	3	20	01/25/11	
Zinc	0.79	0.050	mg/L	0.80	ND	99	70-130	1	20	01/25/11	

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Certificate of Analysis

01/28/2011

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- Sample(s) received, prepared, and analyzed within the method specified criteria unless otherwise noted within this report.
- The results relate only to the samples analyzed in accordance with test(s) requested by the client on the Chain of Custody document. Any analytical quality control exceptions to method criteria that are to be considered when evaluating these results have been flagged and are defined in the data qualifiers section.
- All results are expressed on wet weight basis unless otherwise specified.
- All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Results contained in this analytical report must be reproduced in its entirety.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses unless qualified or noted in the Case Narrative.
- Analytical data contained in this report may be used for regulatory purposes to meet the requirements of the Federal or State drinking water, wastewater, and hazardous waste programs.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals. Samples submitted to the laboratory have been analyzed outside of this holding time requirement.
- * - This is not a NELAP accredited analyte.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- (2) The digestion used to produce this result deviated from EPA 200.2 by excluding hydrochloric acid in order to produce acceptable recoveries for affected metals.
- (2C) Result reported from secondary analytical column.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.

Certifications:

State of California - CDPH - ELAP	1180
State of California - CDPH - NELAP	04227CA
State of New Mexico - NMED-DWB	
State of Nevada - NDEP	CA000792009A

Definitions and Flags for Data Qualifiers

mg/L:	Milligrams/Liter (ppm)	M:	Method Detection Limit	MDA:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)		:DL x Dilution	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	ND:	None Detected at RL	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	pCi/L:	Picocuries per Liter	Present:	1 or more CFU/100mLs
		NR:	Non-Reportable	RL Mult:	RL Multiplier

A1A1063

Crystal Geyser

Cryst6296 01182011

Turnaround: Standard

Due Date: 02/01/2011

BSK ANALYTICAL LABORATORIES

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Cryst6296

01/18/2011
10

* Required Fields

TEMP: 3

Client/Company Name *:	Report Attention *:	Phone * #: 760 764 1813 FAX * #:
CG Roxane LLC	George Castañeda	E-mail: g.castañeda@cgroxane.com

Address *: 1210 South Hwy 395 City *: Olancha State *: CA Zip *: 93549

Project Information: Monitoring wells Gen. minerals

PO #:
Quote #:

How would you like your completed results sent? [x] E-Mail [ ] Fax [ ] EDD [ ] Mail Only [x] Mail

Sampler Name Printed / Signature: Manuel Luna Manuel Luna

QC Request: [x] STD [ ] Level II

Result Request ** Surcharge: [x] STD [ ] 5 Day** [ ] 2 Day** [ ] 1 Day**

Carbon Copies: (Circle One) CDHS [ ] Fresno Co [ ] EPA [ ] Merced Co [ ] Tulare Co [ ]
Other:

Regulatory Compliance
Electronic Data Transfer: [ ] Y [ ] N
System No. *

Matrix Types: RSW = Raw Surface Water CFW = Clorinated Finished Water CWW = Chorinated Waste Water BW = Bottled Water
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

ANALYSIS REQUESTED

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Gen. Mineral	PH	Na
1	3	1/17/11	1100	OW7-C	RGW		X	X	X

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Manuel Luna Manuel Luna	CG Roxane LLC	1/17/11	1147 am		

Received for Lab by: (Signature and Printed Name) [signature] Date: 1/18/11 Time: 1000

Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX (circled) OTHER

Cooling Method: WET BLUE (circled) NONE

Packing Material: Plastic wrap

SR-FL-0012-00 (Analytical)

A1A1063
Cryst6296

01/18/2011
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Sample Integrity

Pg. 1 of 2

WORI

Date Received 1/18/11

Section 1- Receiving Information

Sample Transport: ONTRAC UPS PMS Walk-In BSK-Courier GSO (Fed Exp.) Other: _____

Samples arrived at lab on same day sampled: Yes _____ No X (If Yes- Temperature is not needed)

Coolers/Ice Chests Description/Temperature(s): (If more than 4 received, list information in comment section)

1) 3° 2) _____ 3) N/A 4) _____

Was Temperature In Range: (Y) N N/A Received On Ice: Wet (Blue) Received Ambient: Y (N)

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: Plastic Wrap

Initial Receipt: BSK-Visalia BSK-Bakersfield BSK-SAC BSK-FDL (BSK-FAL)

Were ice chest custody seals present? Y (N) Intact: Y (N)

Section 2- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	✓			Analysis Requested	✓		
Date Sampled	✓			Any hold times less than 72hr	✓		
Time Sampled	✓			Client Name	✓		
Sample ID	✓			Address	✓		
Special Storage/Handling Ins.		✓		Telephone #	✓		

Section 3- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	✓			
Were bottle custody seals present?		✓		
Were bottle custody seals intact?		✓		
Did all bottle labels agree with COC?	✓			
Were correct containers used for the tests requested?	✓			
Were correct preservations used for the tests requested?	✓			
Was a sufficient amount of sample sent for tests indicated?	✓			
Were bubbles present in VOA Vials? (**Volatile Methods Only**)			✓	
Were Ascorbic Acid Bottles received with the VOAs?				

Section 4- Comments / Discrepancies

Sample(s) Split/Preserve: Yes (No) Container: _____ Preservation: _____ Dt/Time/Init _____

Container: _____ Preservation: _____ Dt/Time/Init _____

Was Client Service Rep. notified of discrepancies: Yes No (N/A) CSR: _____ Notified By: _____

Explanations / Comments

Report Comment Entered:

Labeled by: A @ 1028 Labels checked by: SO @ 1035

A1A1063
Cryst6296

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Sample Integrity Pg 2 of 2

WC

BSK Bottles (Yes)

250ml (A) 500ml (B) 1Liter (C) Amber Glass (AG)

Container(s) Received	1						
Bacti $Na_2S_2O_3$							
None (p) White Cap	2C						
None (p) Blue Cap w/NH4 + Buffer							
HNO_3 (p) Red Cap	1A						
H_2SO_4 (p) Yellow Cap							
NaOH (p) Green Cap							
Other:							
Dissolved Oxygen 300ml (g)							
Centrifuge Tube HNO_3							
250ml (AG) None							
250ml (AG) H_2SO_4 COD Yellow Label							
250ml (AG) $Na_2S_2O_3$ 515, 547 Blue Label							
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label							
250ml (AG) NH_4Cl 552 Purple Label							
250ml (AG) EDA DBPs Brown Label							
250ml (AG) Other:							
500ml (AG) None							
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label							
1 Liter (AG) None							
1 Liter (AG) H_2SO_4 O&G Yellow Label							
1 Liter (AG) $Na_2S_2O_3$ 548 / 525 / 521 Blue Label							
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549							
1 Liter (AG) NaOH+ZnAc Sulfide							
1 Liter (AG) Ascorbic/EDTA/Pot Citrate 527 Grey Label							
1 Liter (AG) CuSO4/Trizma 529 Turquoise Label							
1 Liter (AG) Na_2SO_3 /HCL 525 **UCMR** Neon Green Label							
1 Liter (AG) Ammonium Chloride 535 Purple Label							
40ml VOA Vial Clear – HCL							
40ml VOA Vial Amber – $Na_2S_2O_3$							
40ml VOA Vial Clear – None							
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505							
40ml VOA Vial Clear – H_3PO_4							
Other:							
Asbestos 1Liter Plastic/Foil							
Radon 200ml Clear (g)							
Low Level Hg/Metals Double Baggie							
Bioassay Jug							
250 Clear Glass Jar							
500 Clear Glass Jar							
1 Liter Clear Glass Jar							
Plastic Bag							
Soil Tube Brass / Steel / Plastic							
Tedlar Bags							

1/18/11

BSK
Analytical
Laboratories
Engineers & Laboratories

A1A0850

01/25/2011

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Dear George Castaneda,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Enclosed are the results of analyses for samples received by the laboratory on 01/13/2011 10:00.

If additional clarification of any information is required, please contact your Client Services Representative, Renea Rangell at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

Renea Rangell

Renea Rangell
Client Services Manager

1414 Stanislaus Street Fresno, CA 93706 (559) 497-2888 FAX (559) 485-6935 www.bsklabs.com

BSK Analytical Laboratories
Engineering Laboratories

01/25/2011

Case Narrative

Work Order Information

Client Name:	Crystal Geyser	**Submitted by:**	Manuel Luna
Client Code:	Cryst6296	**Shipped by:**	Fed Ex
Work Order:	A1A0850	**COC Number:**	
Project:	General	**TAT:**	10
		PO #:	

Sample Receipt Conditions

Cooler: **Default Cooler** **Temp. °C:** 0

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Report Manager
George Castaneda

Report Format
FAL Final Report.rpt

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Engineering Laboratories

Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/25/2011 13:10
Received Date: 01/13/2011
Received Time: 10:00

Lab Sample ID: A1A0850-01
Sample Date: 01/12/2011 12:45
Sample Type: Grab

Sampled by: Manuel Luna
Matrix: Water

Sample Description: CGR1

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100939	01/25/11	01/25/11	
Alkalinity as CaCO3	SM 2320 B	**89**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Bicarbonate as CaCO3	SM 2320 B	**89**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Chloride	EPA 300.0	**3.8**	1.0	mg/L	1	A100490	01/13/11	01/13/11	
Conductivity @ 25C	SM 2510 B	**240**	1.0	umhos/cm	1	A100498	01/13/11	01/13/11	
Langelier Index	SM 2330 B	**0.10**				A100943	01/25/11	01/25/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100541	01/13/11 17:24	01/13/11 17:24	
pH (1)	SM 4500-H+ B	**8.2**		pH Units	1	A100498	01/13/11	01/13/11	
pH Temperature in °C		**21.3**							
Sulfate as SO4	EPA 300.0	**24**	2.0	mg/L	1	A100490	01/13/11	01/13/11	
Total Dissolved Solids	SM 2540C	**160**	5.0	mg/L	1	A100539	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**29**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Hardness as CaCO3		**88**		mg/L					
Iron	EPA 200.7	**0.30**	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Magnesium	EPA 200.7	**3.9**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Potassium	EPA 200.7	**2.6**	2.0	mg/L	1	A100849	01/23/11	01/24/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Sodium	EPA 200.7	**18**	1.0	mg/L	1	A100849	01/23/11	01/24/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	

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BSK Analytical Laboratories
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Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/25/2011 13:10
Received Date: 01/13/2011
Received Time: 10:00

Lab Sample ID: A1A0850-02
Sample Date: 01/12/2011 12:45
Sample Type: Grab
Sampled by: Manuel Luna
Matrix: Water

Sample Description: EW6

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100939	01/25/11	01/25/11	
Alkalinity as CaCO3	SM 2320 B	**130**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Bicarbonate as CaCO3	SM 2320 B	**130**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Chloride	EPA 300.0	**5.6**	1.0	mg/L	1	A100490	01/13/11	01/13/11	
Conductivity @ 25C	SM 2510 B	**360**	1.0	umhos/cm	1	A100498	01/13/11	01/13/11	
Langelier Index	SM 2330 B	**0.32**				A100943	01/25/11	01/25/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100541	01/13/11 17:24	01/13/11 17:24	
pH (1)	SM 4500-H+ B	**8.1**		pH Units	1	A100498	01/13/11	01/13/11	
pH Temperature in °C		**21.8**							
Sulfate as SO4	EPA 300.0	**34**	2.0	mg/L	1	A100490	01/13/11	01/13/11	
Total Dissolved Solids	SM 2540C	**230**	5.0	mg/L	1	A100539	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**43**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Hardness as CaCO3		**120**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Magnesium	EPA 200.7	**2.1**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Manganese	EPA 200.7	**0.021**	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Potassium	EPA 200.7	**2.1**	2.0	mg/L	1	A100849	01/23/11	01/24/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Sodium	EPA 200.7	**33**	1.0	mg/L	1	A100849	01/23/11	01/24/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	

BSK Analytical Laboratories
Engineering Laboratories

Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/25/2011 13:10
Received Date: 01/13/2011
Received Time: 10:00

Lab Sample ID: A1A0850-03
Sample Date: 01/12/2011 12:50
Sample Type: Grab
Sampled by: Manuel Luna
Matrix: Water

Sample Description: OW8D

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**11**				A100939	01/25/11	01/25/11	
Alkalinity as CaCO3	SM 2320 B	**99**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Bicarbonate as CaCO3	SM 2320 B	**86**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Carbonate as CaCO3	SM 2320 B	**12**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Chloride	EPA 300.0	**1.9**	1.0	mg/L	1	A100490	01/13/11	01/13/11	
Conductivity @ 25C	SM 2510 B	**220**	1.0	umhos/cm	1	A100498	01/13/11	01/13/11	
Langelier Index	SM 2330 B	**-0.48**				A100943	01/25/11	01/25/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100541	01/13/11 17:24	01/13/11 17:24	
pH (1)	SM 4500-H+ B	**8.8**		pH Units	1	A100498	01/13/11	01/13/11	
pH Temperature in °C		**21.2**							
Sulfate as SO4	EPA 300.0	**9.7**	2.0	mg/L	1	A100490	01/13/11	01/13/11	
Total Dissolved Solids	SM 2540C	**140**	5.0	mg/L	1	A100547	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**1.7**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Hardness as CaCO3		**4.8**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Magnesium	EPA 200.7	**0.15**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Potassium	EPA 200.7	ND	2.0	mg/L	1	A100849	01/23/11	01/24/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Sodium	EPA 200.7	**52**	1.0	mg/L	1	A100849	01/23/11	01/24/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	

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Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/25/2011 13:10
Received Date: 01/13/2011
Received Time: 10:00

Lab Sample ID: A1A0850-04
Sample Date: 01/12/2011 12:50
Sample Type: Grab
Sampled by: Manuel Luna
Matrix: Water

Sample Description: OW8U

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100939	01/25/11	01/25/11	
Alkalinity as CaCO3	SM 2320 B	**83**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Bicarbonate as CaCO3	SM 2320 B	**73**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Carbonate as CaCO3	SM 2320 B	**9.5**	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100498	01/13/11	01/13/11	
Chloride	EPA 300.0	**2.4**	1.0	mg/L	1	A100490	01/13/11	01/13/11	
Conductivity @ 25C	SM 2510 B	**210**	1.0	umhos/cm	1	A100498	01/13/11	01/13/11	
Langelier Index	SM 2330 B	**-0.22**				A100943	01/25/11	01/25/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100541	01/13/11 17:24	01/13/11 17:24	
pH (1)	SM 4500-H+ B	**8.6**		pH Units	1	A100498	01/13/11	01/13/11	
pH Temperature in °C		**21.3**							
Sulfate as SO4	EPA 300.0	**15**	2.0	mg/L	1	A100490	01/13/11	01/13/11	
Total Dissolved Solids	SM 2540C	**140**	5.0	mg/L	1	A100547	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**5.9**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Hardness as CaCO3		**17**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	
Magnesium	EPA 200.7	**0.55**	0.10	mg/L	1	A100849	01/23/11	01/24/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Potassium	EPA 200.7	**8.8**	2.0	mg/L	1	A100849	01/23/11	01/24/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100849	01/23/11	01/24/11	
Sodium	EPA 200.7	**36**	1.0	mg/L	1	A100849	01/23/11	01/24/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100849	01/23/11	01/24/11	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100490				Analyst: AJT		Prepared: 01/13/2011					
Blank (A100490-BLK1) EPA 300.0 - Quality Control											
Chloride	ND	1.0	mg/L							01/13/11	
Sulfate as SO4	ND	2.0	mg/L							01/13/11	
Blank Spike (A100490-BS1) EPA 300.0 - Quality Control											
Chloride	51	1.0	mg/L	50		101	90-110			01/13/11	
Sulfate as SO4	50	2.0	mg/L	50		101	90-110			01/13/11	
Blank Spike Dup (A100490-BSD1) EPA 300.0 - Quality Control											
Chloride	51	1.0	mg/L	50		102	90-110	1	10	01/13/11	
Sulfate as SO4	50	2.0	mg/L	50		101	90-110	0	10	01/13/11	
Matrix Spike (A100490-MS1) EPA 300.0 - Quality Control						Source: A1A0828-01					
Chloride	110	2.0	mg/L	100	ND	104	80-120			01/13/11	
Sulfate as SO4	100	4.0	mg/L	100	ND	104	80-120			01/13/11	
Matrix Spike (A100490-MS2) EPA 300.0 - Quality Control						Source: A1A0858-01					
Chloride	140	2.0	mg/L	100	39	106	80-120			01/14/11	
Sulfate as SO4	110	4.0	mg/L	100	4.5	106	80-120			01/14/11	
Matrix Spike Dup (A100490-MSD1) EPA 300.0 - Quality Control						Source: A1A0828-01					
Chloride	100	2.0	mg/L	100	ND	103	80-120	1	10	01/13/11	
Sulfate as SO4	100	4.0	mg/L	100	ND	103	80-120	1	10	01/13/11	
Matrix Spike Dup (A100490-MSD2) EPA 300.0 - Quality Control						Source: A1A0858-01					
Chloride	140	2.0	mg/L	100	39	106	80-120	0	10	01/14/11	
Sulfate as SO4	110	4.0	mg/L	100	4.5	106	80-120	1	10	01/14/11	
Batch: A100498				Analyst: CEG		Prepared: 01/13/2011					
Blank (A100498-BLK1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	ND	3.0	mg/L							01/13/11	
Bicarbonate as CaCO3	ND	3.0	mg/L							01/13/11	
Carbonate as CaCO3	ND	3.0	mg/L							01/13/11	
Conductivity @ 25C	ND	1.0	umhos/cm							01/13/11	
Hydroxide as CaCO3	ND	3.0	mg/L							01/13/11	
Blank Spike (A100498-BS1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	94	3.0	mg/L	100		94	80-120			01/13/11	
Blank Spike Dup (A100498-BSD1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	91	3.0	mg/L	100		91	80-120	3	20	01/13/11	
Duplicate (A100498-DUP1) SM 2510 B - Quality Control						Source: A1A0859-01					
Conductivity @ 25C	4400	1.0	umhos/cm		4400			1	20	01/13/11	
pH (1)	8.1		pH Units		8.1			0	20	01/13/11	
Duplicate (A100498-DUP2) SM 2320 B - Quality Control						Source: A1A0887-01					
Alkalinity as CaCO3	92	3.0	mg/L		96			4	10	01/13/11	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100498				Analyst: CEG		Prepared: 01/13/2011					
Duplicate (A100498-DUP2) SM 2320 B - Quality Control								**Source: A1A0887-01**			
Bicarbonate as CaCO3	92	3.0	mg/L		96			4	10	01/13/11	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	01/13/11	
Conductivity @ 25C	230	1.0	umhos/cm		240			0	20	01/13/11	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	01/13/11	
pH (1)	8.2		pH Units		8.2			0	20	01/13/11	
Batch: A100539				Analyst: DEH		Prepared: 01/14/2011					
Blank (A100539-BLK1) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	
Blank (A100539-BLK2) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	
Duplicate (A100539-DUP1) SM 2540C - Quality Control								**Source: A1A0747-01**			
Total Dissolved Solids	360	5.0	mg/L		380			6	20	01/17/11	
Duplicate (A100539-DUP2) SM 2540C - Quality Control								**Source: A1A0747-02**			
Total Dissolved Solids	350	5.0	mg/L		360			2	20	01/17/11	
Batch: A100541				Analyst: MAT		Prepared: 01/13/2011					
Blank (A100541-BLK1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							01/13/11	
Blank Spike (A100541-BS1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	0.98	0.050	mg/L	1.0		98	80-120			01/13/11	
Blank Spike Dup (A100541-BSD1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	0.94	0.050	mg/L	1.0		94	80-120	4	20	01/13/11	
Matrix Spike (A100541-MS1) SM 5540 C - Quality Control								**Source: A1A0891-01**			
MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	109	80-120			01/13/11	
Matrix Spike (A100541-MS2) SM 5540 C - Quality Control								**Source: A1A0895-03**			
MBAS, Calculated as LAS, mol wt 340	0.97	0.050	mg/L	1.0	ND	97	80-120			01/13/11	
Matrix Spike Dup (A100541-MSD1) SM 5540 C - Quality Control								**Source: A1A0891-01**			
MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0	ND	109	80-120	1	20	01/13/11	
Matrix Spike Dup (A100541-MSD2) SM 5540 C - Quality Control								**Source: A1A0895-03**			
MBAS, Calculated as LAS, mol wt 340	1.0	0.050	mg/L	1.0	ND	100	80-120	3	20	01/13/11	
Batch: A100547				Analyst: DEH		Prepared: 01/14/2011					
Blank (A100547-BLK1) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100547				Analyst: DEH		Prepared: 01/14/2011					
Blank (A100547-BLK2)	**SM 2540C - Quality Control**										
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	
Duplicate (A100547-DUP1)	**SM 2540C - Quality Control**					**Source: A1A0850-04**					
Total Dissolved Solids	140	5.0	mg/L		140			6	20	01/17/11	
Duplicate (A100547-DUP2)	**SM 2540C - Quality Control**					**Source: A1A0897-03**					
Total Dissolved Solids	690	5.0	mg/L		680			1	20	01/17/11	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100849				Analyst: NRE		Prepared: 01/23/2011					
Blank (A100849-BLK1) EPA 200.7 - Quality Control											
Calcium	ND	0.10	mg/L							01/24/11	
Copper	ND	0.050	mg/L							01/24/11	
Iron	ND	0.050	mg/L							01/24/11	
Magnesium	ND	0.10	mg/L							01/24/11	
Manganese	ND	0.010	mg/L							01/24/11	
Potassium	ND	2.0	mg/L							01/24/11	
Silver	ND	0.010	mg/L							01/24/11	
Sodium	ND	1.0	mg/L							01/24/11	
Zinc	ND	0.050	mg/L							01/24/11	
Blank Spike (A100849-BS1) EPA 200.7 - Quality Control											
Calcium	10	0.10	mg/L	10		102	85-115			01/24/11	
Copper	0.40	0.050	mg/L	0.40		101	85-115			01/24/11	
Iron	4.2	0.050	mg/L	4.0		104	85-115			01/24/11	
Magnesium	10	0.10	mg/L	10		101	85-115			01/24/11	
Manganese	0.41	0.010	mg/L	0.40		103	85-115			01/24/11	
Potassium	10	2.0	mg/L	10		103	85-115			01/24/11	
Silver	0.21	0.010	mg/L	0.20		105	85-115			01/24/11	
Sodium	10	1.0	mg/L	10		104	85-115			01/24/11	
Zinc	0.40	0.050	mg/L	0.40		100	85-115			01/24/11	
Blank Spike Dup (A100849-BSD1) EPA 200.7 - Quality Control											
Calcium	11	0.10	mg/L	10		110	85-115	7	20	01/24/11	
Copper	0.45	0.050	mg/L	0.40		111	85-115	10	20	01/24/11	
Iron	4.4	0.050	mg/L	4.0		111	85-115	6	20	01/24/11	
Magnesium	11	0.10	mg/L	10		109	85-115	7	20	01/24/11	
Manganese	0.44	0.010	mg/L	0.40		111	85-115	7	20	01/24/11	
Potassium	11	2.0	mg/L	10		109	85-115	6	20	01/24/11	
Silver	0.23	0.010	mg/L	0.20		115	85-115	9	20	01/24/11	
Sodium	11	1.0	mg/L	10		113	85-115	8	20	01/24/11	
Zinc	0.44	0.050	mg/L	0.40		111	85-115	10	20	01/24/11	
Matrix Spike (A100849-MS1) EPA 200.7 - Quality Control						Source: A1A0850-01					
Calcium	47	0.10	mg/L	20	29	91	70-130			01/24/11	
Copper	0.81	0.050	mg/L	0.80	ND	102	70-130			01/24/11	
Iron	8.5	0.050	mg/L	8.0	0.30	103	70-130			01/24/11	
Magnesium	24	0.10	mg/L	20	3.9	98	70-130			01/24/11	
Manganese	0.82	0.010	mg/L	0.80	ND	103	70-130			01/24/11	
Potassium	22	2.0	mg/L	20	2.6	99	70-130			01/24/11	
Silver	0.42	0.010	mg/L	0.40	ND	104	70-130			01/24/11	
Sodium	38	1.0	mg/L	20	18	101	70-130			01/24/11	
Zinc	0.99	0.050	mg/L	0.80	ND	118	70-130			01/24/11	
Matrix Spike Dup (A100849-MSD1) EPA 200.7 - Quality Control						Source: A1A0850-01					
Calcium	48	0.10	mg/L	20	29	96	70-130	2	20	01/24/11	
Copper	0.82	0.050	mg/L	0.80	ND	103	70-130	2	20	01/24/11	
Iron	8.6	0.050	mg/L	8.0	0.30	104	70-130	1	20	01/24/11	
Magnesium	24	0.10	mg/L	20	3.9	100	70-130	1	20	01/24/11	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100849				Analyst: NRE		Prepared: 01/23/2011					
Matrix Spike Dup (A100849-MSD1)	**EPA 200.7 - Quality Control**						**Source: A1A0850-01**				
Manganese	0.83	0.010	mg/L	0.80	ND	104	70-130	1	20	01/24/11	
Potassium	23	2.0	mg/L	20	2.6	101	70-130	2	20	01/24/11	
Silver	0.42	0.010	mg/L	0.40	ND	105	70-130	1	20	01/24/11	
Sodium	38	1.0	mg/L	20	18	100	70-130	1	20	01/24/11	
Zinc	0.86	0.050	mg/L	0.80	ND	102	70-130	14	20	01/24/11	

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Certificate of Analysis

01/25/2011

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- Sample(s) received, prepared, and analyzed within the method specified criteria unless otherwise noted within this report.
- The results relate only to the samples analyzed in accordance with test(s) requested by the client on the Chain of Custody document. Any analytical quality control exceptions to method criteria that are to be considered when evaluating these results have been flagged and are defined in the data qualifiers section.
- All results are expressed on wet weight basis unless otherwise specified.
- All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Results contained in this analytical report must be reproduced in its entirety.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses unless qualified or noted in the Case Narrative.
- Analytical data contained in this report may be used for regulatory purposes to meet the requirements of the Federal or State drinking water, wastewater, and hazardous waste programs.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals. Samples submitted to the laboratory have been analyzed outside of this holding time requirement.
- * - This is not a NELAP accredited analyte.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- (2) The digestion used to produce this result deviated from EPA 200.2 by excluding hydrochloric acid in order to produce acceptable recoveries for affected metals.
- (2C) Result reported from secondary analytical column.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.

Certifications:

State of California - CDPH - ELAP	1180
State of California - CDPH - NELAP	04227CA
State of New Mexico - NMED-DWB	
State of Nevada - NDEP	CA000792009A

Definitions and Flags for Data Qualifiers

mg/L:	Milligrams/Liter (ppm)	M:	Method Detection Limit	MDA:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)		:DL x Dilution	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	ND:	None Detected at RL	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	pCi/L:	Picocuries per Liter	Present:	1 or more CFU/100mLs
		NR:	Non-Reportable	RL Mult:	RL Multiplier

A1A0850

Crystal Geyser

Cryst6296

01132011

Turnaround: Standard

Due Date: 01/27/2011

BSK ANALYTICAL LABORATORIES

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A1A0850
Cryst6296

01/13/2011
10

* Required Fields

TEMP: 0

Client/Company Name *:	Report Attention *:	Phone * #:	FAX * #:
CG Roxane LLC	George Castaneda	760 764 1813	

E-mail: g.castaneda@cgroxane.com

Address *	City *	State *	Zip *
1210 S. Hwy 395	Olancha	CA	93549

Carbon Copies: (Circle One)
CDHS ☐ Fresno Co ☐ EPA ☐
Merced Co ☐ Tulare Co ☐
Other:

Project Information: Gen Mineral testing

PO #
Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Regulatory Compliance
Electronic Data Transfer: ☐ Y ☒ N
System No. *

Sampler Name Printed / Signature
Manuel Luna
Manuel Luna

QC Request: ☑ STD ☐ Level II

Result Request ** **Surcharge**: ☑ STD ☐ 5 Day** ☐ 2 Day** ☐ 1 Day**

Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

ANALYSIS REQUESTED

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	General Mineral	pH	Nitrate
1		1/12/11	1245	CGR1	RGW		X	X	X
2		1/12/11	1245	EWC	"		X	X	X
3		1/12/11	1250	DWSD	RGW		X	X	X
4		1/12/11	1250	DWST	RGW		X	X	X

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Manuel Luna Manuel Luna	CG Roxane LLC	1/12/11	1255		
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery:	
		1/13/11	1000	Date / Amount / Check/Cash/Card / PIA # / Init	

Shipping Method: CAO UPS GSO WALK-IN SJVC FEDEX OTHER

Cooling Method: WET BLUE NONE

Packing Material: Plastic wrap

Notice: Payment for services rendered as noted herein are due in full within 30 days from when invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service/re-billing charges and interest calculated at 1 1/2 % per month, 18% per annum. BSK & Associates shall be entitled to recover on delinquent accounts, costs of collections, including attorneys' fees incurred prior to or in litigation whether concluded by judgement, settlement, compromise or otherwise. The person signing for the client/Company expressley acknowledges that they are either the Client or authorized agent to the Client, and the Client agrees to be responsible for payment for analytical services on this Chain of Custody. Any modification of the analysis requested, either type or quantities, will be noted and agreed upon this Chain of Custody. The turn around time for any samples received after 3:00 pm will begin the next business day.

SP-FL-0012-00 (Analytical)

A1A0850
Cryst6296

01/13/2011
10

Sample Integrity

Pg. 1 of 2 **WORK OI**

Date Received 1/13/11

Section 1- Receiving Information

Sample Transport: ONTRAC UPS PMS Walk-In BSK-Courier GSO Fed Exp. Other: _____

Samples arrived at lab on same day sampled: Yes _____ No ✓ (If Yes- Temperature is not needed)

Coolers/Ice Chests Description/Temperature(s): (If more than 4 received, list information in comment section)

1) 0 2) _____ 3) NA 4) _____

Was Temperature In Range: (Y) N N/A Received On Ice: Wet (Blue) Received Ambient: Y (N)

Describe type of packing materials: ~~Bubble Wrap~~ Foam ~~Packing Peanuts~~ ~~Paper~~ ~~Other:~~ Plastic wrap

Initial Receipt: BSK-Visalia BSK-Bakersfield BSK-SAC BSK-FDL (BSK-FAL)

Were ice chest custody seals present? Y (N) Intact: Y N

Section 2- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	—			Analysis Requested	—		
Date Sampled	—			Any hold times less than 72hr	—		
Time Sampled	—			Client Name	—		
Sample ID	—			Address	—		
Special Storage/Handling Ins.		—		Telephone #	—		

Section 3- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	—			
Were bottle custody seals present?			—	
Were bottle custody seals intact?			—	
Did all bottle labels agree with COC?	—			
Were correct containers used for the tests requested?	—			
Were correct preservations used for the tests requested?	—			
Was a sufficient amount of sample sent for tests indicated?	—			
Were bubbles present in VOA Vials? (**Volatile Methods Only**)			—	
Were Ascorbic Acid Bottles received with the VOAs?			—	

Section 4- Comments / Discrepancies

Sample(s) Split/Preserve: Yes (No) Container: _____ Preservation: _____ Dt/Time/Init _____

Container: _____ Preservation: _____ Dt/Time/Init _____

Was Client Service Rep. notified of discrepancies: Yes No (N/A) CSR: Notified By:

Explanations / Comments

Report Comment Entered:

Labeled by: _____ @ 1248 Labels checked by: _____ @ 303

BSK Analytical Laboratories
Engineers & Laboratories

A1A0968

01/27/2011

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Dear George Castaneda,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Enclosed are the results of analyses for samples received by the laboratory on 01/14/2011 09:30.

If additional clarification of any information is required, please contact your Client Services Representative, Renea Rangell at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

Renea Rangell
Client Services Manager

1414 Stanislaus Street Fresno, CA 93706 (559) 497-2888 FAX (559) 485-6935 www.bsklabs.com

BSK Analytical Laboratories
Engineering & Laboratories

01/27/2011

Case Narrative

Work Order Information

Client Name:	Crystal Geyser	**Submitted by:**	Manuel Luna
Client Code:	Cryst6296	**Shipped by:**	Fed Ex
Work Order:	A1A0968	**COC Number:**	
Project:	General	**TAT:**	10
		PO #:	

Sample Receipt Conditions

Cooler: **Default Cooler** **Temp. °C:** 2

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Report Manager
George Castaneda

Report Format
FAL Final Report.rpt

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Engineering Laboratories

Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/27/2011 17:27
Received Date: 01/14/2011
Received Time: 09:30

Lab Sample ID: A1A0968-01
Sample Date: 01/13/2011 12:00
Sample Type: Grab

Sampled by: Manuel Luna
Matrix: Ground Water

Sample Description: EW-8

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100984	01/26/11	01/26/11	
Alkalinity as CaCO3	SM 2320 B	**67**	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Bicarbonate as CaCO3	SM 2320 B	**67**	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Chloride	EPA 300.0	**8.1**	1.0	mg/L	1	A100564	01/14/11	01/14/11	
Conductivity @ 25C	SM 2510 B	**330**	1.0	umhos/cm	1	A100559	01/14/11	01/14/11	
Langelier Index	SM 2330 B	**-0.12**				A100984	01/26/11	01/26/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100573	01/14/11 16:59	01/14/11 16:59	
pH (1)	SM 4500-H+ B	**8.2**		pH Units	1	A100559	01/14/11	01/14/11	
pH Temperature in °C		**21.1**							
Sulfate as SO4	EPA 300.0	**76**	2.0	mg/L	1	A100564	01/14/11	01/14/11	
Total Dissolved Solids	SM 2540C	**220**	5.0	mg/L	1	A100572	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**24**	0.10	mg/L	1	A100933	01/25/11	01/25/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100933	01/25/11	01/25/11	
Hardness as CaCO3		**77**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100933	01/25/11	01/25/11	
Magnesium	EPA 200.7	**4.0**	0.10	mg/L	1	A100933	01/25/11	01/25/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100933	01/25/11	01/25/11	
Potassium	EPA 200.7	**2.9**	2.0	mg/L	1	A100933	01/25/11	01/25/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100933	01/25/11	01/25/11	
Sodium	EPA 200.7	**35**	1.0	mg/L	1	A100933	01/25/11	01/25/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100933	01/25/11	01/25/11	

BSK Analytical Laboratories
Engineering Laboratories

Certificate of Analysis

George Castaneda
Crystal Geyser
1233 East California Avenue
Bakersfield, CA 93307

Report Issue Date: 01/27/2011 17:27
Received Date: 01/14/2011
Received Time: 09:30

Lab Sample ID: A1A0968-02
Sample Date: 01/13/2011 12:00
Sample Type: Grab

Sampled by: Manuel Luna
Matrix: Ground Water

Sample Description: EW-2

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
***Aggressive Index**		**12**				A100984	01/26/11	01/26/11	
Alkalinity as CaCO3	SM 2320 B	**61**	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Bicarbonate as CaCO3	SM 2320 B	**61**	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Hydroxide as CaCO3	SM 2320 B	ND	3.0	mg/L	1	A100559	01/14/11	01/14/11	
Chloride	EPA 300.0	**3.7**	1.0	mg/L	1	A100564	01/14/11	01/14/11	
Conductivity @ 25C	SM 2510 B	**210**	1.0	umhos/cm	1	A100559	01/14/11	01/14/11	
Langelier Index	SM 2330 B	**-0.34**				A100984	01/26/11	01/26/11	
MBAS, Calculated as LAS, mol wt 340	SM 5540 C	ND	0.050	mg/L	1	A100573	01/14/11 16:59	01/14/11 16:59	
pH (1)	SM 4500-H+ B	**8.1**		pH Units	1	A100559	01/14/11	01/14/11	
pH Temperature in °C		**20.9**							
Sulfate as SO4	EPA 300.0	**34**	2.0	mg/L	1	A100564	01/14/11	01/14/11	
Total Dissolved Solids	SM 2540C	**140**	5.0	mg/L	1	A100572	01/14/11	01/17/11	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Calcium	EPA 200.7	**19**	0.10	mg/L	1	A100934	01/25/11	01/25/11	
Copper	EPA 200.7	ND	0.050	mg/L	1	A100934	01/25/11	01/25/11	
Hardness as CaCO3		**54**		mg/L					
Iron	EPA 200.7	ND	0.050	mg/L	1	A100934	01/25/11	01/25/11	
Magnesium	EPA 200.7	**1.8**	0.10	mg/L	1	A100934	01/25/11	01/25/11	
Manganese	EPA 200.7	ND	0.010	mg/L	1	A100934	01/25/11	01/25/11	
Potassium	EPA 200.7	ND	2.0	mg/L	1	A100934	01/25/11	01/25/11	
Silver	EPA 200.7	ND	0.010	mg/L	1	A100934	01/25/11	01/25/11	
Sodium	EPA 200.7	**21**	1.0	mg/L	1	A100934	01/25/11	01/25/11	
Zinc	EPA 200.7	ND	0.050	mg/L	1	A100934	01/25/11	01/25/11	

BSK Analytical Laboratories
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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100559				Analyst: CEG		Prepared: 01/14/2011					
Blank (A100559-BLK1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	ND	3.0	mg/L							01/14/11	
Bicarbonate as CaCO3	ND	3.0	mg/L							01/14/11	
Carbonate as CaCO3	ND	3.0	mg/L							01/14/11	
Conductivity @ 25C	ND	1.0	umhos/cm							01/14/11	
Hydroxide as CaCO3	ND	3.0	mg/L							01/14/11	
Blank Spike (A100559-BS1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	94	3.0	mg/L	100		94	80-120			01/14/11	
Blank Spike Dup (A100559-BSD1) SM 2320 B - Quality Control											
Alkalinity as CaCO3	89	3.0	mg/L	100		89	80-120	5	20	01/14/11	
Duplicate (A100559-DUP1) SM 2320 B - Quality Control						Source: A1A0947-01					
Alkalinity as CaCO3	200	3.0	mg/L		210			4	10	01/14/11	
Bicarbonate as CaCO3	200	3.0	mg/L		210			4	10	01/14/11	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	01/14/11	
Conductivity @ 25C	490	1.0	umhos/cm		490			0	20	01/14/11	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	01/14/11	
pH (1)	8.0		pH Units		8.0			0	20	01/14/11	
Duplicate (A100559-DUP2) SM 2320 B - Quality Control						Source: A1A0968-02					
Alkalinity as CaCO3	63	3.0	mg/L		61			3	10	01/14/11	
Bicarbonate as CaCO3	63	3.0	mg/L		61			3	10	01/14/11	
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	01/14/11	
Conductivity @ 25C	210	1.0	umhos/cm		210			1	20	01/14/11	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	01/14/11	
pH (1)	8.1		pH Units		8.1			0	20	01/14/11	
Batch: A100564				Analyst: AJT		Prepared: 01/14/2011					
Blank (A100564-BLK1) EPA 300.0 - Quality Control											
Chloride	ND	1.0	mg/L							01/14/11	
Sulfate as SO4	ND	2.0	mg/L							01/14/11	
Blank Spike (A100564-BS1) EPA 300.0 - Quality Control											
Chloride	50	1.0	mg/L	50		100	90-110			01/14/11	
Sulfate as SO4	50	2.0	mg/L	50		99	90-110			01/14/11	
Blank Spike Dup (A100564-BSD1) EPA 300.0 - Quality Control											
Chloride	51	1.0	mg/L	50		101	90-110	2	10	01/14/11	
Sulfate as SO4	50	2.0	mg/L	50		100	90-110	1	10	01/14/11	
Matrix Spike (A100564-MS1) EPA 300.0 - Quality Control						Source: A1A0968-02					
Chloride	100	2.0	mg/L	100	3.7	99	80-120			01/15/11	
Sulfate as SO4	130	4.0	mg/L	100	34	98	80-120			01/15/11	
Matrix Spike (A100564-MS2) EPA 300.0 - Quality Control						Source: A1A1014-02					
Chloride	160	2.0	mg/L	100	55	106	80-120			01/15/11	

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BSK Analytical Laboratories
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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100564				Analyst: AJT		Prepared: 01/14/2011					
Matrix Spike (A100564-MS2) EPA 300.0 - Quality Control						Source: A1A1014-02					
Sulfate as SO4	120	4.0	mg/L	100	16	107	80-120			01/15/11	
Matrix Spike Dup (A100564-MSD1) EPA 300.0 - Quality Control						Source: A1A0968-02					
Chloride	110	2.0	mg/L	100	3.7	102	80-120	3	10	01/15/11	
Sulfate as SO4	140	4.0	mg/L	100	34	102	80-120	3	10	01/15/11	
Matrix Spike Dup (A100564-MSD2) EPA 300.0 - Quality Control						Source: A1A1014-02					
Chloride	160	2.0	mg/L	100	55	105	80-120	1	10	01/15/11	
Sulfate as SO4	120	4.0	mg/L	100	16	107	80-120	1	10	01/15/11	
Batch: A100572				Analyst: DEH		Prepared: 01/14/2011					
Blank (A100572-BLK1) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	
Blank (A100572-BLK2) SM 2540C - Quality Control											
Total Dissolved Solids	ND	5.0	mg/L							01/17/11	
Duplicate (A100572-DUP1) SM 2540C - Quality Control						Source: A1A0968-01					
Total Dissolved Solids	220	5.0	mg/L		220			3	20	01/17/11	
Duplicate (A100572-DUP2) SM 2540C - Quality Control						Source: A1A0948-01					
Total Dissolved Solids	170	5.0	mg/L		170			2	20	01/17/11	
Batch: A100573				Analyst: MAT		Prepared: 01/14/2011					
Blank (A100573-BLK1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							01/14/11	
Blank Spike (A100573-BS1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	0.93	0.050	mg/L	1.0		93	80-120			01/14/11	
Blank Spike Dup (A100573-BSD1) SM 5540 C - Quality Control											
MBAS, Calculated as LAS, mol wt 340	1.1	0.050	mg/L	1.0		105	80-120	12	20	01/14/11	
Matrix Spike (A100573-MS1) SM 5540 C - Quality Control						Source: A1A0938-01					
MBAS, Calculated as LAS, mol wt 340	0.92	0.050	mg/L	1.0	ND	92	80-120			01/14/11	
Matrix Spike (A100573-MS2) SM 5540 C - Quality Control						Source: A1A0968-02					
MBAS, Calculated as LAS, mol wt 340	0.70	0.050	mg/L	1.0	ND	68	80-120			01/14/11	MS02 ***Low***
Matrix Spike Dup (A100573-MSD1) SM 5540 C - Quality Control						Source: A1A0938-01					
MBAS, Calculated as LAS, mol wt 340	0.87	0.050	mg/L	1.0	ND	87	80-120	5	20	01/14/11	
Matrix Spike Dup (A100573-MSD2) SM 5540 C - Quality Control						Source: A1A0968-02					
MBAS, Calculated as LAS, mol wt 340	0.66	0.050	mg/L	1.0	ND	64	80-120	5	20	01/14/11	MS02 ***Low***

BSK Analytical Laboratories
Engineering Laboratories

Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100933				Analyst: NRE		Prepared: 01/25/2011					
Blank (A100933-BLK1) EPA 200.7 - Quality Control											
Calcium	ND	0.10	mg/L							01/25/11	
Copper	ND	0.050	mg/L							01/25/11	
Iron	ND	0.050	mg/L							01/25/11	
Magnesium	ND	0.10	mg/L							01/25/11	
Manganese	ND	0.010	mg/L							01/25/11	
Potassium	ND	2.0	mg/L							01/25/11	
Silver	ND	0.010	mg/L							01/25/11	
Sodium	ND	1.0	mg/L							01/25/11	
Zinc	ND	0.050	mg/L							01/25/11	
Blank Spike (A100933-BS1) EPA 200.7 - Quality Control											
Calcium	10	0.10	mg/L	10		102	85-115			01/25/11	
Copper	0.40	0.050	mg/L	0.40		101	85-115			01/25/11	
Iron	3.9	0.050	mg/L	4.0		99	85-115			01/25/11	
Magnesium	10	0.10	mg/L	10		101	85-115			01/25/11	
Manganese	0.41	0.010	mg/L	0.40		102	85-115			01/25/11	
Potassium	10	2.0	mg/L	10		101	85-115			01/25/11	
Silver	0.21	0.010	mg/L	0.20		104	85-115			01/25/11	
Sodium	9.9	1.0	mg/L	10		99	85-115			01/25/11	
Zinc	0.40	0.050	mg/L	0.40		100	85-115			01/25/11	
Blank Spike Dup (A100933-BSD1) EPA 200.7 - Quality Control											
Calcium	10	0.10	mg/L	10		100	85-115	2	20	01/25/11	
Copper	0.40	0.050	mg/L	0.40		99	85-115	1	20	01/25/11	
Iron	3.9	0.050	mg/L	4.0		98	85-115	1	20	01/25/11	
Magnesium	10	0.10	mg/L	10		100	85-115	1	20	01/25/11	
Manganese	0.40	0.010	mg/L	0.40		100	85-115	1	20	01/25/11	
Potassium	10	2.0	mg/L	10		100	85-115	1	20	01/25/11	
Silver	0.21	0.010	mg/L	0.20		103	85-115	1	20	01/25/11	
Sodium	9.6	1.0	mg/L	10		96	85-115	2	20	01/25/11	
Zinc	0.40	0.050	mg/L	0.40		99	85-115	1	20	01/25/11	
Matrix Spike (A100933-MS1) EPA 200.7 - Quality Control						Source: A1A0936-02					
Calcium	56	0.10	mg/L	20	39	85	70-130			01/25/11	
Copper	0.79	0.050	mg/L	0.80	ND	95	70-130			01/25/11	
Iron	7.7	0.050	mg/L	8.0	0.23	93	70-130			01/25/11	
Magnesium	37	0.10	mg/L	20	19	88	70-130			01/25/11	
Manganese	0.79	0.010	mg/L	0.80	0.015	97	70-130			01/25/11	
Potassium	21	2.0	mg/L	20	2.5	93	70-130			01/25/11	
Silver	0.39	0.010	mg/L	0.40	ND	98	70-130			01/25/11	
Sodium	70	1.0	mg/L	20	54	81	70-130			01/25/11	
Zinc	0.77	0.050	mg/L	0.80	ND	96	70-130			01/25/11	
Matrix Spike Dup (A100933-MSD1) EPA 200.7 - Quality Control						Source: A1A0936-02					
Calcium	58	0.10	mg/L	20	39	90	70-130	2	20	01/25/11	
Copper	0.81	0.050	mg/L	0.80	ND	97	70-130	2	20	01/25/11	
Iron	7.9	0.050	mg/L	8.0	0.23	96	70-130	2	20	01/25/11	
Magnesium	38	0.10	mg/L	20	19	94	70-130	3	20	01/25/11	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100933				Analyst: NRE		Prepared: 01/25/2011					
Matrix Spike Dup (A100933-MSD1)	**EPA 200.7 - Quality Control**						**Source: A1A0936-02**				
Manganese	0.80	0.010	mg/L	0.80	0.015	98	70-130	2	20	01/25/11	
Potassium	22	2.0	mg/L	20	2.5	97	70-130	3	20	01/25/11	
Silver	0.40	0.010	mg/L	0.40	ND	101	70-130	2	20	01/25/11	
Sodium	72	1.0	mg/L	20	54	92	70-130	3	20	01/25/11	
Zinc	0.79	0.050	mg/L	0.80	ND	98	70-130	2	20	01/25/11	
Batch: A100934				Analyst: NRE		Prepared: 01/25/2011					
Blank (A100934-BLK1)	**EPA 200.7 - Quality Control**										
Calcium	ND	0.10	mg/L							01/25/11	
Copper	ND	0.050	mg/L							01/25/11	
Iron	ND	0.050	mg/L							01/25/11	
Magnesium	ND	0.10	mg/L							01/25/11	
Manganese	ND	0.010	mg/L							01/25/11	
Potassium	ND	2.0	mg/L							01/25/11	
Silver	ND	0.010	mg/L							01/25/11	
Sodium	ND	1.0	mg/L							01/25/11	
Zinc	ND	0.050	mg/L							01/25/11	
Blank Spike (A100934-BS1)	**EPA 200.7 - Quality Control**										
Calcium	10	0.10	mg/L	10		100	85-115			01/25/11	
Copper	0.39	0.050	mg/L	0.40		99	85-115			01/25/11	
Iron	3.9	0.050	mg/L	4.0		98	85-115			01/25/11	
Magnesium	9.8	0.10	mg/L	10		98	85-115			01/25/11	
Manganese	0.40	0.010	mg/L	0.40		100	85-115			01/25/11	
Potassium	10	2.0	mg/L	10		100	85-115			01/25/11	
Silver	0.20	0.010	mg/L	0.20		100	85-115			01/25/11	
Sodium	9.8	1.0	mg/L	10		98	85-115			01/25/11	
Zinc	0.39	0.050	mg/L	0.40		97	85-115			01/25/11	
Blank Spike Dup (A100934-BSD1)	**EPA 200.7 - Quality Control**										
Calcium	9.9	0.10	mg/L	10		99	85-115	1	20	01/25/11	
Copper	0.40	0.050	mg/L	0.40		100	85-115	1	20	01/25/11	
Iron	3.9	0.050	mg/L	4.0		97	85-115	0	20	01/25/11	
Magnesium	9.9	0.10	mg/L	10		99	85-115	1	20	01/25/11	
Manganese	0.40	0.010	mg/L	0.40		100	85-115	1	20	01/25/11	
Potassium	9.9	2.0	mg/L	10		99	85-115	1	20	01/25/11	
Silver	0.20	0.010	mg/L	0.20		102	85-115	1	20	01/25/11	
Sodium	9.6	1.0	mg/L	10		96	85-115	2	20	01/25/11	
Zinc	0.39	0.050	mg/L	0.40		98	85-115	1	20	01/25/11	
Matrix Spike (A100934-MS1)	**EPA 200.7 - Quality Control**						**Source: A1A0968-02**				
Calcium	38	0.10	mg/L	20	19	94	70-130			01/25/11	
Copper	0.79	0.050	mg/L	0.80	ND	98	70-130			01/25/11	
Iron	7.7	0.050	mg/L	8.0	ND	96	70-130			01/25/11	
Magnesium	21	0.10	mg/L	20	1.8	96	70-130			01/25/11	
Manganese	0.80	0.010	mg/L	0.80	ND	99	70-130			01/25/11	
Potassium	22	2.0	mg/L	20	ND	98	70-130			01/25/11	

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BSK Analytical Laboratories
Engineering Laboratories

Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A100934				Analyst: NRE		Prepared: 01/25/2011					
Matrix Spike (A100934-MS1)	**EPA 200.7 - Quality Control**					**Source: A1A0968-02**					
Silver	0.40	0.010	mg/L	0.40	ND	100	70-130			01/25/11	
Sodium	40	1.0	mg/L	20	21	94	70-130			01/25/11	
Zinc	0.78	0.050	mg/L	0.80	ND	97	70-130			01/25/11	
Matrix Spike Dup (A100934-MSD1)	**EPA 200.7 - Quality Control**					**Source: A1A0968-02**					
Calcium	39	0.10	mg/L	20	19	99	70-130	2	20	01/25/11	
Copper	0.81	0.050	mg/L	0.80	ND	101	70-130	2	20	01/25/11	
Iron	7.8	0.050	mg/L	8.0	ND	98	70-130	2	20	01/25/11	
Magnesium	22	0.10	mg/L	20	1.8	99	70-130	3	20	01/25/11	
Manganese	0.81	0.010	mg/L	0.80	ND	101	70-130	1	20	01/25/11	
Potassium	22	2.0	mg/L	20	ND	100	70-130	2	20	01/25/11	
Silver	0.41	0.010	mg/L	0.40	ND	103	70-130	3	20	01/25/11	
Sodium	39	1.0	mg/L	20	21	92	70-130	1	20	01/25/11	
Zinc	0.80	0.050	mg/L	0.80	ND	100	70-130	2	20	01/25/11	

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Certificate of Analysis

01/27/2011

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- Sample(s) received, prepared, and analyzed within the method specified criteria unless otherwise noted within this report.
- The results relate only to the samples analyzed in accordance with test(s) requested by the client on the Chain of Custody document. Any analytical quality control exceptions to method criteria that are to be considered when evaluating these results have been flagged and are defined in the data qualifiers section.
- All results are expressed on wet weight basis unless otherwise specified.
- All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Results contained in this analytical report must be reproduced in its entirety.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses unless qualified or noted in the Case Narrative.
- Analytical data contained in this report may be used for regulatory purposes to meet the requirements of the Federal or State drinking water, wastewater, and hazardous waste programs.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals. Samples submitted to the laboratory have been analyzed outside of this holding time requirement.
- * - This is not a NELAP accredited analyte.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- (2) The digestion used to produce this result deviated from EPA 200.2 by excluding hydrochloric acid in order to produce acceptable recoveries for affected metals.
- (2C) Result reported from secondary analytical column.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.

Certifications:

State of California - CDPH - ELAP	1180
State of California - CDPH - NELAP	04227CA
State of New Mexico - NMED-DWB	
State of Nevada - NDEP	CA000792009A

Definitions and Flags for Data Qualifiers

mg/L:	Milligrams/Liter (ppm)	M:	Method Detection Limit	MDA:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)		:DL x Dilution	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	ND:	None Detected at RL	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	pCi/L:	Picocuries per Liter	Present:	1 or more CFU/100mLs
		NR:	Non-Reportable	RL Mult:	RL Multiplier

MS02 Matrix spike recovery was low; the associated blank spike recovery was acceptable.

A1A0968

Crystal Geyser

Cryst6296 01142011

Turnaround: Standard

Due Date: 01/28/2011

BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street, Fresno, CA 93706-1623
(559) 497-2888 • FAX (559) 497-2893 • www.bsklabs.com

A1A0968 01/14/2011
Cryst6296 10

* Required Fields

TEMP: 2

Client/Company Name *: CG Roxane LLC
Report Attention *: George Castaneda
Phone * #: 7607641813 FAX * #: 7607642861
E-mail: g.castaneda@cgroxane.com

Address *: 1210 S Hwy 395 City *: Olancha State *: CA Zip *: 93549

Carbon Copies: (Circle One) CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

Project Information:
PO #
Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Regulatory Compliance
Electronic Data Transfer: ☐ Y ☐ N
System No. *

Sampler Name Printed / Signature: Manuel Luna *Manuel Luna*
QC Request: ☑ STD ☐ Level II
Result Request ** Surcharge: ☑ STD ☐ 5 Day** ☐ 2 Day** ☐ 1 Day**

Matrix Types: RSW = Raw Surface Water CFW = Clorinated Finished Water CWW = Chorinated Waste Water BW = Bottled Water
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

ANALYSIS REQUESTED

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	Gen Minerals	pH	NA
1	2	1/13/11	1200	EW-8	GRW		X	+	+
2	3	1/13/11	1200	EW-2	GRW		X	+	+

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
Manuel *Manuel Luna*	CG Roxane	1/13/11	1320		

Received for Lab by: (Signature and Printed Name) *[signature]* Date: 1/14/11 Time: 930

Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER (FED EX circled)

Cooling Method: WET BLUE NONE (BLUE circled)

Packing Material:

BH-FL-0012.00 (Analytical)

Sample Integrity

Pg. 1 of 2 **WORK O** A1A0968 Cryst6296 01/14/2011 10

Date Received 1/14/11

Section 1- Receiving Information

Sample Transport: ONTRAC UPS PMS Walk-In BSK-Courier GSO Fed.Exp. Other: _____

Samples arrived at lab on same day sampled: Yes _____ No X (If Yes- Temperature is not needed)

Coolers/Ice Chests Description/Temperature(s): (If more than 4 received, list information in comment section)

1) 2 2) _____ 3) _____ 4) _____

Was Temperature In Range: Y N N/A Received On Ice: Wet Blue Received Ambient: Y N

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: _____

Initial Receipt: BSK-Visalia BSK-Bakersfield BSK-SAC BSK-FDL BSK-FAL

Were ice chest custody seals present? Y N Intact: Y N

Section 2- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	—			Analysis Requested	—		
Date Sampled	—			Any hold times less than 72hr	—		
Time Sampled	—			Client Name	—		
Sample ID	—			Address	—		
Special Storage/Handling Ins.		—		Telephone #	—		

Section 3- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	—			
Were bottle custody seals present?		—		
Were bottle custody seals intact?		—		
Did all bottle labels agree with COC?	—			
Were correct containers used for the tests requested?	—			
Were correct preservations used for the tests requested?	—			
Was a sufficient amount of sample sent for tests indicated?	—			
Were bubbles present in VOA Vials? **(Volatile Methods Only)**			—	
Were Ascorbic Acid Bottles received with the VOAs?			—	

Section 4- Comments / Discrepancies

Sample(s) Split/Preserve: Yes No Container: _____ Preservation: _____ Dt/Time/Init _____

Container: _____ Preservation: _____ Dt/Time/Init _____

Was Client Service Rep. notified of discrepancies: Yes No N/A CSR: Notified By:

Explanations / Comments

Report Comment Entered:

Labeled by: JHD @ 1425 Labels checked by: MI @ 15:31

SR-FL-0002-04 (03/10)

A1A0968 01/14/2011
Cryst6296 10

Sample Integrity Pg 2 of 2

WOR

BSK Bottles (Yes) No

250ml (A) 500ml (B) 1Liter (C) Amber Glass (AG)

Container(s) Received	1-2
Bacti $Na_2S_2O_3$	
None (p) White Cap	2C
None (p) Blue Cap w/NH4 + Buffer	
HNO_3 (p) Red Cap	1G
H_2SO_4 (p) Yellow Cap	
NaOH (p) Green Cap	
Other:	
Dissolved Oxygen 300ml (g)	
Centrifuge Tube HNO_3	
250ml (AG) None	
250ml (AG) H_2SO_4 COD Yellow Label	
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label	
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label	
250ml (AG) NH_4Cl 552 Purple Label	
250ml (AG) EDA DBPs Brown Label	
250ml (AG) Other:	
500ml (AG) None	
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label	
1 Liter (AG) None	
1 Liter (AG) H_2SO_4 O&G Yellow Label	
1 Liter (AG) $Na_2S_2O_3$ 548 / 525 / 521 Blue Label	
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549	
1 Liter (AG) NaOH+ZnAc Sulfide	
1 Liter (AG) Ascorbic/EDTA/Pot Citrate 527 Grey Label	
1 Liter (AG) CuSO4/Trizma 529 Turquoise Label	
1 Liter (AG) Na_2SO_3 / HCL 525 UCMR Neon Green Label	
1 Liter (AG) Ammonium Chloride 535 Purple Label	
40ml VOA Vial Clear – HCL	
40ml VOA Vial Amber – $Na_2S_2O_3$	
40ml VOA Vial Clear – None	
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505	
40ml VOA Vial Clear – H_3PO_4	
Other:	
Asbestos 1Liter Plastic/Foil	
Radon 200ml Clear (g)	
Low Level Hg/Metals Double Baggie	
Bioassay Jug	
250 Clear Glass Jar	
500 Clear Glass Jar	
1 Liter Clear Glass Jar	
Plastic Bag	
Soil Tube Brass / Steel / Plastic	
Tedlar Bags	

1/14

SR-FL-0002-04 (03/10)

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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
03/29/2013

Linda Geddes
EUROFINS EATON ANALYTICAL

DST: David S Tripp
Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 428320
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-010
Georgia	947	**Pennsylvania**	68-565
Guam	11-004r	**Rhode Island**	01114CA
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-11-2
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA110022	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

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Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 428320
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **March 14, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201303150141	OW7U	03/13/2013 1130

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

CHAIN OF CUSTODY RECORD

428320

eurofins | Eaton Analytical

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Monrovia, CA 91016-3629

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Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: DS

SAMPLES LOGGED IN BY: JS

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:

☐ Colton / No. California / Arizona _____ ℃ (Compliance: 4 ± 2 ℃)

☑ Monrovia 4.6 ℃ (Compliance: 4 ± 2 ℃)

CONDITION OF BLUE ICE: Frozen _____ Partially Frozen ✓ Thawed _____ Wet Ice _____ No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:	PROJECT CODE:	COMPLIANCE SAMPLES (check for yes) ☐ NON-COMPLIANCE SAMPLES (check for yes) ☐
		- Requires state forms ☐ REGULATION INVOLVED: _____
EEA CLIENT CODE: / COC ID:	SAMPLE GROUP: General Mineral Bromide	Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)
TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___		SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), OR list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX*	FIELD DATA	FIELD DATA	See List attached												SAMPLER COMMENTS
3/13	1130	OW7U		RGW			X												

* **MATRIX TYPES:** **RSW** = Raw Surface Water; **RGW** = Raw Ground Water; **CFW** = Chlor(am)inated Finished Water; **FW** = Other Finished Water; **SEAW** = Sea Water; **WW** = Waste Water; **BW** = Bottled Water; **SW** = Storm Water; **SO** = Soil; **SL** = Sludge; **O** = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Manuel L	Manuel L	CG Roxane LLC	3/13/13	1138
RELINQUISHED BY:					
RECEIVED BY:	L. Amtz	Darius Smith	EBA	3.14.13	1407
RELINQUISHED BY:					
RECEIVED BY:					

PAGE ____ OF ____

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Laboratory Hits
Report: 428320

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201303150141	**OW7U**				
03/19/2013 11:37	Agressiveness Index-Calculated		12		None	0.1
03/18/2013 16:55	Alkalinity in CaCO3 units		71		mg/L	2
03/19/2013 11:30	Anion Sum - Calculated		1.9		meq/L	0.001
03/26/2013 14:30	Arsenic dissolved ICAP/MS		18		ug/L	1
03/21/2013 18:58	Arsenic Total ICAP/MS		18	10	ug/L	1
03/20/2013 14:00	Barium Total ICAP/MS		7.3	2000	ug/L	2
03/19/2013 11:37	Bicarb.Alkalinity as HCO3calc		86		mg/L	2
03/18/2013 23:20	Bromide by 300.1		13		ug/L	2
03/15/2013 23:51	Calcium Total ICAP		18		mg/L	1
03/18/2013 09:52	Cation Sum - Calculated		2.0		meq/L	0.001
03/14/2013 18:20	Chloride		1.7	250	mg/L	1
03/20/2013 22:08	Fluoride		0.95	4	mg/L	0.05
03/19/2013 11:41	Langelier Index - 25 degree		-0.010		None	
03/19/2013 11:37	Langelier Index at 60 degrees C		0.43		None	
03/15/2013 23:51	Magnesium Total ICAP		1.3		mg/L	0.1
03/14/2013 18:20	Nitrate as Nitrogen by IC		0.20	10	mg/L	0.1
03/14/2013 18:20	Nitrate as NO3 (calc)		0.88	45	mg/L	0.44
03/18/2013 16:55	PH (H3=past HT not compliant)		8.2		Units	0.1
03/28/2013 02:50	pH of CaCO3 saturation(25C)		8.2		Units	0.1
03/19/2013 11:37	pH of CaCO3 saturation(60C)		7.8		Units	0.1
03/15/2013 23:51	Potassium Total ICAP		1.6		mg/L	1
03/15/2013 23:51	Sodium Total ICAP		21		mg/L	1
03/18/2013 16:55	Specific Conductance, 25 C		200		umho/cm	2
03/14/2013 18:20	Sulfate		17	250	mg/L	0.5
03/19/2013 13:10	Total Dissolved Solids (TDS)		150	500	mg/L	10
03/18/2013 09:52	Total Hardness as CaCO3 by ICP (calc)		51		mg/L	3
03/14/2013 18:20	Total Nitrate, Nitrite-N, CALC		0.20		mg/L	0.1
03/15/2013 10:17	Turbidity		0.14	5	NTU	0.05

SUMMARY OF POSITIVE DATA ONLY

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formerly MWH Laboratories

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Laboratory Data
Report: 428320

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
OW7U (201303150141)						**Sampled on 03/13/2013 1130**		
			EPA 200.8 - ICPMS Metals					
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Aluminum Total ICAP/MS	ND	ug/L	20	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/26/2013	14:30 699842	(EPA 200.8)	Arsenic dissolved ICAP/MS	18	ug/L	1	1
3/15/2013	03/21/2013	18:58 699284	(EPA 200.8)	Arsenic Total ICAP/MS	18	ug/L	1	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Barium Total ICAP/MS	7.3	ug/L	2	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/21/2013	18:58 699284	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/15/2013	03/26/2013	13:05 699747	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/15/2013	03/20/2013	14:00 698872	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/15/2013	03/21/2013	18:58 699284	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/15/2013	03/15/2013	23:51 698217	(EPA 200.7)	Calcium Total ICAP	18	mg/L	1	1
3/15/2013	03/15/2013	23:51 698217	(EPA 200.7)	Iron Total ICAP	ND	mg/L	0.02	1
3/15/2013	03/15/2013	23:51 698217	(EPA 200.7)	Magnesium Total ICAP	1.3	mg/L	0.1	1
3/15/2013	03/15/2013	23:51 698217	(EPA 200.7)	Potassium Total ICAP	1.6	mg/L	1	1
3/15/2013	03/15/2013	23:51 698217	(EPA 200.7)	Sodium Total ICAP	21	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/20/2013	03/21/2013	13:45 699131	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/19/2013	11:37	(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/19/2013	11:37	(SM 2330B)	pH of CaCO3 saturation(60C)	7.8	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/19/2013	11:37	(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/19/2013	11:41	(SM 2330B)	Langelier Index - 25 degree	-0.010	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/19/2013	11:41	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/18/2013	09:52	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	51	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/19/2013	11:30	(SM 1030E)	Anion Sum - Calculated	1.9	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/18/2013	09:52	(SM 1030E)	Cation Sum - Calculated	2.0	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/28/2013	02:50	(SM 2330B)	pH of CaCO3 saturation(25C)	8.2	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/19/2013	11:37	(SM2330B)	Bicarb.Alkalinity as HCO3calc	86	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/19/2013	11:37	(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/19/2013	11:37	(SM 2330B)	Langelier Index at 60 degrees C	0.43	None		1
			SM 1030E - Cation/Anion Difference					
	03/28/2013	02:50	(SM 1030E)	Cation/Anion Difference	1.9	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	03/14/2013	18:20 698137	(EPA 300.0)	Nitrate as Nitrogen by IC	0.20	mg/L	0.1	1
	03/14/2013	18:20 698137	(EPA 300.0)	Nitrate as NO3 (calc)	0.88	mg/L	0.44	1
	03/14/2013	18:20 698137	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	03/14/2013	18:20 698137	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.20	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/18/2013	23:20 698588	(EPA 300.1)	Bromide by 300.1	13	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	03/14/2013	18:20 698188	(EPA 300.0)	Chloride	1.7	mg/L	1	1
	03/14/2013	18:20 698188	(EPA 300.0)	Sulfate	17	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/20/2013	22:08 699121	(SM 4500F-C)	Fluoride	0.95	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/18/2013	16:55 698530	(SM 2320B)	Alkalinity in CaCO3 units	71	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/18/2013	03/19/2013	13:10 698639	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	150	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/18/2013	16:55 698466	(SM4500-HB)	PH (H3=past HT not compliant)	8.2	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	03/14/2013	17:46 698499	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

Rounding on totals after summation.
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Olancha, CA 93549

Samples Received on:
03/14/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/15/2013 10:17	698297	(EPA 180.1)	Turbidity	0.14	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/18/2013 16:55	698532	(SM2510B)	Specific Conductance, 25 C	200	umho/cm	2	1

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Laboratory Comments
Report: 428320

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 698137 - Nitrate, Nitrite by EPA 300.0 — **Analysis Date: 03/14/2013**
201303150141 OW7U — Analyzed by: CYP

QC Ref # 698188 - Chloride, Sulfate by EPA 300.0 — **Analysis Date: 03/14/2013**
201303150141 OW7U — Analyzed by: CYP

QC Ref # 698217 - ICP Metals — **Analysis Date: 03/15/2013**
201303150141 OW7U — Analyzed by: NINA

QC Ref # 698297 - Turbidity — **Analysis Date: 03/15/2013**
201303150141 OW7U — Analyzed by: NEM

QC Ref # 698466 - PH (H3=past HT not compliant) — **Analysis Date: 03/18/2013**
201303150141 OW7U — Analyzed by: JMO

QC Ref # 698499 - Surfactants — **Analysis Date: 03/14/2013**
201303150141 OW7U — Analyzed by: LLL

QC Ref # 698530 - Alkalinity in CaCO3 units — **Analysis Date: 03/18/2013**
201303150141 OW7U — Analyzed by: JMO

QC Ref # 698532 - Specific Conductance — **Analysis Date: 03/18/2013**
201303150141 OW7U — Analyzed by: JMO

QC Ref # 698588 - Disinfection ByProducts by 300.1 — **Analysis Date: 03/18/2013**
201303150141 OW7U — Analyzed by: TLH

QC Ref # 698639 - Total Dissolved Solids (TDS) — **Analysis Date: 03/19/2013**
201303150141 OW7U — Analyzed by: JRF

QC Ref # 698872 - ICPMS Metals — **Analysis Date: 03/20/2013**
201303150141 OW7U — Analyzed by: SXK

QC Ref # 699121 - Fluoride — **Analysis Date: 03/20/2013**
201303150141 OW7U — Analyzed by: MXT

QC Ref # 699131 - Mercury Total — **Analysis Date: 03/21/2013**
201303150141 OW7U — Analyzed by: MXT

QC Ref # 699284 - ICPMS Metals — **Analysis Date: 03/21/2013**
201303150141 OW7U — Analyzed by: SXK

QC Ref # 699747 - ICPMS Metals — **Analysis Date: 03/26/2013**
201303150141 OW7U — Analyzed by: SXK

QC Ref # 699842 - ICPMS Metals — **Analysis Date: 03/26/2013**
201303150141 OW7U — Analyzed by: SXK

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 698137 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 03/14/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.53	mg/L	101	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.54	mg/L	102	(90-110)	20	0.39
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0507	mg/L	101	(50-150)		
MRLLW	Nitrate as Nitrogen by IC		0.013	0.0121	mg/L	97	(50-150)		
MS_201303130001	Nitrate as Nitrogen by IC	1.1	1.3	2.39	mg/L	105	(80-120)		
MS_201303120367	Nitrate as Nitrogen by IC	ND	1.3	1.29	mg/L	103	(80-120)		
MSD_201303120367	Nitrate as Nitrogen by IC	ND	1.3	1.29	mg/L	103	(80-120)	20	0.0
MSD_201303130001	Nitrate as Nitrogen by IC	1.1	1.3	2.39	mg/L	105	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.972	mg/L	97	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.975	mg/L	98	(90-110)	20	0.31
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0510	mg/L	102	(50-150)		
MRLLW	Nitrite Nitrogen by IC		0.013	0.0154	mg/L	123	(50-150)		
MS_201303120367	Nitrite Nitrogen by IC	ND	0.5	0.476	mg/L	95	(80-120)		
MS_201303130001	Nitrite Nitrogen by IC	ND	0.5	0.500	mg/L	100	(80-120)		
MSD_201303120367	Nitrite Nitrogen by IC	ND	0.5	0.477	mg/L	95	(80-120)	20	0.21
MSD_201303130001	Nitrite Nitrogen by IC	ND	0.5	0.497	mg/L	99	(80-120)	20	0.60
QC Ref# 698188 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 03/14/2013**			
LCS1	Chloride		25	26.2	mg/L	105	(90-110)		
LCS2	Chloride		25	26.4	mg/L	106	(90-110)	20	0.76
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.437	mg/L	87	(50-150)		
MS_201303120367	Chloride	15	13	29.2	mg/L	111	(80-120)		
MS_201303130001	Chloride	3.2953	13	17.1	mg/L	111	(80-120)		
MSD_201303130001	Chloride	3.2953	13	17.2	mg/L	111	(80-120)	20	0.58
MSD_201303120367	Chloride	15	13	29.2	mg/L	111	(80-120)	20	0.0
LCS1	Sulfate		50	51.4	mg/L	103	(90-110)		
LCS2	Sulfate		50	51.7	mg/L	103	(90-110)	20	0.58
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.974	mg/L	97	(50-150)		
MRLLW	Sulfate		0.25	0.256	mg/L	102	(50-150)		
MS_201303120367	Sulfate	14	25	40.7	mg/L	107	(80-120)		
MS_201303130001	Sulfate	1.2	25	27.4	mg/L	105	(80-120)		
MSD_201303120367	Sulfate	14	25	40.7	mg/L	107	(80-120)	20	0.0
MSD_201303130001	Sulfate	1.2	25	27.5	mg/L	105	(80-120)	20	0.36

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 698217 - ICP Metals by EPA 200.7						**Analysis Date: 03/15/2013**			
LCS1	Calcium Total ICAP		50	45.2	mg/L	91	(85-115)		
LCS2	Calcium Total ICAP		50	45.8	mg/L	92	(85-115)	20	1.3
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	0.918	mg/L	92	(50-150)		
MS_201303140163	Calcium Total ICAP	37	50	82.4	mg/L	92	(70-130)		
MS2_201303140437	Calcium Total ICAP	9.1	50	54.2	mg/L	90	(70-130)		
MSD_201303140163	Calcium Total ICAP	37	50	82.8	mg/L	92	(70-130)	20	0.48
MSD2_201303140437	Calcium Total ICAP	9.1	50	55.6	mg/L	93	(70-130)	20	2.5
LCS1	Iron Total ICAP		5.0	4.81	mg/L	96	(85-115)		
LCS2	Iron Total ICAP		5.0	4.80	mg/L	96	(85-115)	20	0.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0189	mg/L	94	(50-150)		
MS_201303140163	Iron Total ICAP	ND	5.0	4.87	mg/L	97	(70-130)		
MS2_201303140437	Iron Total ICAP	0.093	5.0	4.89	mg/L	96	(70-130)		
MSD_201303140163	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)	20	0.41
MSD2_201303140437	Iron Total ICAP	0.093	5.0	4.91	mg/L	96	(70-130)	20	0.41
LCS1	Magnesium Total ICAP		20	20.3	mg/L	101	(85-115)		
LCS2	Magnesium Total ICAP		20	20.1	mg/L	101	(85-115)	20	0.99
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.101	mg/L	101	(50-150)		
MS_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)		
MS2_201303140437	Magnesium Total ICAP	5.8	20	26.0	mg/L	101	(70-130)		
MSD_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)	20	0.40
MSD2_201303140437	Magnesium Total ICAP	5.8	20	26.3	mg/L	102	(70-130)	20	1.1
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.2	mg/L	96	(85-115)	20	3.1
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.967	mg/L	97	(50-150)		
MS_201303140163	Potassium Total ICAP	1.0	20	21.1	mg/L	100	(70-130)		
MS2_201303140437	Potassium Total ICAP	1.6	20	20.6	mg/L	95	(70-130)		
MSD_201303140163	Potassium Total ICAP	1.0	20	20.8	mg/L	99	(70-130)	20	1.4
MSD2_201303140437	Potassium Total ICAP	1.6	20	21.0	mg/L	97	(70-130)	20	1.9
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.1	mg/L	100	(85-115)	20	1.6
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.00	mg/L	100	(50-150)		

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201303140163	Sodium Total ICAP	15	50	66.2	mg/L	102	(70-130)		
MS2_201303140437	Sodium Total ICAP	7.6	50	57.8	mg/L	100	(70-130)		
MSD_201303140163	Sodium Total ICAP	15	50	65.4	mg/L	100	(70-130)	20	1.2
MSD2_201303140437	Sodium Total ICAP	7.6	50	59.4	mg/L	104	(70-130)	20	2.7
QC Ref# 698297 - Turbidity by EPA 180.1							**Analysis Date: 03/15/2013**		
DUP1_201303150141	Turbidity	0.14		0.133	NTU		(0-20)	20	4.4
LCS1	Turbidity		20	20.5	NTU	102	(90-110)		
LCS2	Turbidity		20	20.0	NTU	100	(90-110)	20	2.5
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0690	NTU	138	(50-150)		
QC Ref# 698466 - PH (H3=past HT not compliant) by SM4500-HB							**Analysis Date: 03/18/2013**		
DUP_201303140036	PH (H3=past HT not compliant)	7.8		7.81	Units		(0-20)	20	0.0
DUP_201303150105	PH (H3=past HT not compliant)	8.2		8.18	Units		(0-20)	20	0.24
LCS3	PH (H3=past HT not compliant)		8.0	8.00	Units	100	(99-101)		
LCS4	PH (H3=past HT not compliant)		8.0	7.99	Units	100	(99-101)	20	0.13
QC Ref# 698499 - Surfactants by SM 5540C/EPA 425.1							**Analysis Date: 03/14/2013**		
LCS1	Surfactants		0.2	0.197	mg/L	98	(90-110)		
LCS2	Surfactants		0.2	0.193	mg/L	97	(90-110)	20	2.0
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0278	mg/L	56	(50-150)		
MS_201303150141	Surfactants	ND	0.2	0.199	mg/L	99	(80-120)		
MSD_201303150141	Surfactants	ND	0.2	0.221	mg/L	111	(80-120)	20	11
QC Ref# 698530 - Alkalinity in CaCO3 units by SM 2320B							**Analysis Date: 03/18/2013**		
LCS1	Alkalinity in CaCO3 units		100	96.8	mg/L	97	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	99.0	mg/L	99	(90-110)	20	2.4
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	2.20	mg/L	110	(50-150)		
MS_201303110108	Alkalinity in CaCO3 units	ND	100	96.6	mg/L	96	(80-120)		
MS_201303120827	Alkalinity in CaCO3 units	14	100	113	mg/L	99	(80-120)		
MSD_201303120827	Alkalinity in CaCO3 units	14	100	112	mg/L	98	(80-120)	20	0.89
MSD_201303110108	Alkalinity in CaCO3 units	ND	100	96.3	mg/L	96	(80-120)	20	0.31
QC Ref# 698532 - Specific Conductance by SM2510B							**Analysis Date: 03/18/2013**		
DUP1_201303190209	Specific Conductance	650		653	umho/cm		(0-20)	20	0.29
DUP1_201303150105	Specific Conductance	170		172	umho/cm		(0-20)	20	0.058
LCS1	Specific Conductance		1000	989	umho/cm	99	(95-105)		
LCS2	Specific Conductance		1000	992	umho/cm	99	(95-105)	20	0.30

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	1.80	umho/cm	90	(50-150)		
QC Ref# 698588 - Disinfection ByProducts by 300.1 by EPA 300.1						**Analysis Date: 03/18/2013**			
LCS1	Bromide by 300.1		10	10.4	ug/L	104	(90-110)		
LCS2	Bromide by 300.1		10	9.16	ug/L	92	(90-110)	20	13
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	1.78	ug/L	89	(50-150)		
MS_201302280034	Bromide by 300.1	ND	10	10.4	ug/L	104	(85-115)		
MSD_201302280034	Bromide by 300.1	ND	10	10.6	ug/L	106	(85-115)	20	1.9
QC Ref# 698639 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/19/2013**			
DUP_201303150134	Total Dissolved Solid (TDS)	460		468	mg/L		(0-20)	20	1.3
DUP_201303150022	Total Dissolved Solid (TDS)	270		270	mg/L		(0-20)	20	0.0
LCS1	Total Dissolved Solid (TDS)		175	174	mg/L	99	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	690	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 698872 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/20/2013**			
LCS1	Aluminum Total ICAP/MS		200	195	ug/L	98	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	198	ug/L	99	(85-115)	20	1.5
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	18.9	ug/L	95	(50-150)		
MS_201303120436	Aluminum Total ICAP/MS	ND	200	206	ug/L	95	(70-130)		
MS2_201303160096	Aluminum Total ICAP/MS	ND	200	196	ug/L	95	(70-130)		
MSD_201303120436	Aluminum Total ICAP/MS	ND	200	198	ug/L	91	(70-130)	20	4.0
MSD2_201303160096	Aluminum Total ICAP/MS	ND	200	188	ug/L	92	(70-130)	20	4.2
LCS1	Antimony Total ICAP/MS		50	51.6	ug/L	103	(85-115)		
LCS2	Antimony Total ICAP/MS		50	51.9	ug/L	104	(85-115)	20	0.58
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303120436	Antimony Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)		
MS2_201303160096	Antimony Total ICAP/MS	ND	50	47.0	ug/L	94	(70-130)		
MSD_201303120436	Antimony Total ICAP/MS	ND	50	47.4	ug/L	95	(70-130)	20	4.7
MSD2_201303160096	Antimony Total ICAP/MS	ND	50	45.3	ug/L	91	(70-130)	20	3.7
LCS1	Arsenic Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.4	ug/L	102	(85-115)	20	0.99
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.950	ug/L	95	(50-150)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201303120436	Arsenic Total ICAP/MS	ND	20	19.7	ug/L	98	(70-130)		
MS2_201303160096	Arsenic Total ICAP/MS	ND	20	19.3	ug/L	97	(70-130)		
MSD_201303120436	Arsenic Total ICAP/MS	ND	20	18.7	ug/L	93	(70-130)	20	5.2
MSD2_201303160096	Arsenic Total ICAP/MS	ND	20	18.6	ug/L	93	(70-130)	20	3.7
LCS1	Barium Total ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Barium Total ICAP/MS		100	104	ug/L	104	(85-115)	20	2.8
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	1.93	ug/L	96	(50-150)		
MS_201303120436	Barium Total ICAP/MS	4.3	100	106	ug/L	102	(70-130)		
MS2_201303160096	Barium Total ICAP/MS	5.649	100	104	ug/L	98	(70-130)		
MSD_201303120436	Barium Total ICAP/MS	4.3	100	102	ug/L	98	(70-130)	20	3.9
MSD2_201303160096	Barium Total ICAP/MS	5.649	100	100	ug/L	94	(70-130)	20	3.9
LCS1	Beryllium Total ICAP/MS		5.0	5.11	ug/L	102	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.16	ug/L	103	(85-115)	20	0.97
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.966	ug/L	97	(50-150)		
MS_201303120436	Beryllium Total ICAP/MS	ND	5.0	5.11	ug/L	102	(70-130)		
MS2_201303160096	Beryllium Total ICAP/MS	ND	5.0	5.00	ug/L	100	(70-130)		
MSD_201303120436	Beryllium Total ICAP/MS	ND	5.0	4.88	ug/L	98	(70-130)	20	4.6
MSD2_201303160096	Beryllium Total ICAP/MS	ND	5.0	4.78	ug/L	96	(70-130)	20	4.5
LCS1	Cadmium Total ICAP/MS		20	20.4	ug/L	102	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.4	ug/L	102	(85-115)	20	0.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.523	ug/L	105	(50-150)		
MS_201303120436	Cadmium Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)		
MS2_201303160096	Cadmium Total ICAP/MS	ND	20	19.1	ug/L	96	(70-130)		
MSD_201303120436	Cadmium Total ICAP/MS	ND	20	18.6	ug/L	93	(70-130)	20	5.7
MSD2_201303160096	Cadmium Total ICAP/MS	ND	20	18.2	ug/L	91	(70-130)	20	4.8
LCS1	Chromium Total ICAP/MS		100	101	ug/L	101	(85-115)		
LCS2	Chromium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	2.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.897	ug/L	90	(50-150)		
MS_201303120436	Chromium Total ICAP/MS	ND	100	96.2	ug/L	96	(70-130)		
MS2_201303160096	Chromium Total ICAP/MS	ND	100	97.6	ug/L	98	(70-130)		
MSD_201303120436	Chromium Total ICAP/MS	ND	100	92.5	ug/L	93	(70-130)	20	3.9
MSD2_201303160096	Chromium Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)	20	2.5
LCS1	Copper Total ICAP/MS		100	102	ug/L	102	(85-115)		
LCS2	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.98

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	0.382	ug/L	**19**	(50-150)		
MS_201303120436	Copper Total ICAP/MS		100	94.6	ug/L	95	(70-130)		
MSD_201303120436	Copper Total ICAP/MS		100	89.6	ug/L	90	(70-130)	20	5.4
LCS1	Lead Total ICAP/MS		20	20.7	ug/L	104	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.9	ug/L	105	(85-115)	20	0.96
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.421	ug/L	84	(50-150)		
MS_201303120436	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201303160096	Lead Total ICAP/MS	ND	20	20.1	ug/L	101	(70-130)		
MSD_201303120436	Lead Total ICAP/MS	ND	20	18.6	ug/L	93	(70-130)	20	5.2
MSD2_201303160096	Lead Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)	20	4.1
LCS1	Manganese Total ICAP/MS		50	49.8	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.3	ug/L	101	(85-115)	20	1
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.84	ug/L	92	(50-150)		
MS_201303120436	Manganese Total ICAP/MS	ND	50	47.6	ug/L	95	(70-130)		
MS2_201303160096	Manganese Total ICAP/MS	ND	50	49.1	ug/L	97	(70-130)		
MSD_201303120436	Manganese Total ICAP/MS	ND	50	45.3	ug/L	90	(70-130)	20	5.0
MSD2_201303160096	Manganese Total ICAP/MS	ND	50	47.7	ug/L	94	(70-130)	20	2.9
LCS1	Nickel Total ICAP/MS		50	50.4	ug/L	101	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.0	ug/L	102	(85-115)	20	1.2
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	4.71	ug/L	94	(50-150)		
MS_201303120436	Nickel Total ICAP/MS	ND	50	47.6	ug/L	95	(70-130)		
MS2_201303160096	Nickel Total ICAP/MS	ND	50	48.5	ug/L	97	(70-130)		
MSD_201303120436	Nickel Total ICAP/MS	ND	50	45.0	ug/L	90	(70-130)	20	5.6
MSD2_201303160096	Nickel Total ICAP/MS	ND	50	47.1	ug/L	94	(70-130)	20	2.9
LCS1	Selenium Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Selenium Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	2.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	4.50	ug/L	90	(50-150)		
MS_201303120436	Selenium Total ICAP/MS	ND	20	19.7	ug/L	99	(70-130)		
MS2_201303160096	Selenium Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)		
MSD_201303120436	Selenium Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	0.51
MSD2_201303160096	Selenium Total ICAP/MS	ND	20	19.3	ug/L	97	(70-130)	20	4.1
LCS1	Thallium Total ICAP/MS		20	20.7	ug/L	103	(85-115)		
LCS2	Thallium Total ICAP/MS		20	21.0	ug/L	105	(85-115)	20	1.4

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.04	ug/L	104	(50-150)		
MS_201303120436	Thallium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)		
MS2_201303160096	Thallium Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)		
MSD_201303120436	Thallium Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)	20	4.1
MSD2_201303160096	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	4.5
LCS1	Zinc Total ICAP/MS		100	98.8	ug/L	99	(85-115)		
LCS2	Zinc Total ICAP/MS		100	99.7	ug/L	100	(85-115)	20	0.91
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	16.5	ug/L	83	(50-150)		
MS_201303120436	Zinc Total ICAP/MS		100	97.6	ug/L	98	(70-130)		
MS2_201303160096	Zinc Total ICAP/MS	218.6	100	315	ug/L	97	(70-130)		
MSD_201303120436	Zinc Total ICAP/MS		100	93.9	ug/L	94	(70-130)	20	3.9
MSD2_201303160096	Zinc Total ICAP/MS	218.6	100	311	ug/L	92	(70-130)	20	1.3
QC Ref# 699121 - Fluoride by SM 4500F-C						**Analysis Date: 03/20/2013**			
LCS1	Fluoride		1.0	1.09	mg/L	109	(81-116)		
LCS2	Fluoride		1.0	1.08	mg/L	108	(81-116)	20	0.92
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0514	mg/L	103	(50-150)		
MS_201303140196	Fluoride	ND	1.0	1.03	mg/L	100	(73-124)		
MS2_201303150105	Fluoride	0.17	1.0	1.24	mg/L	107	(73-124)		
MSD_201303140196	Fluoride	ND	1.0	1.05	mg/L	102	(73-124)	20	1.9
MSD2_201303150105	Fluoride	0.17	1.0	1.17	mg/L	99	(73-124)	20	5.8
QC Ref# 699131 - Mercury Total by EPA 245.1						**Analysis Date: 03/21/2013**			
LCS1	Mercury		1.5	1.50	ug/L	100	(85-115)		
LCS2	Mercury		1.5	1.41	ug/L	94	(85-115)	20	6.2
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.203	ug/L	102	(50-150)		
MS_201303150127	Mercury	ND	1.5	1.59	ug/L	105	(70-130)		
MS_201303150105	Mercury	ND	1.5	1.49	ug/L	99	(70-130)		
MSD_201303150105	Mercury	ND	1.5	1.49	ug/L	100	(70-130)	20	0.0
MSD_201303150127	Mercury	ND	1.5	1.60	ug/L	106	(70-130)	20	0.63
QC Ref# 699284 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/21/2013**			
LCS1	Aluminum Total ICAP/MS		200	216	ug/L	108	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	216	ug/L	108	(85-115)	20	0.0
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.6	ug/L	103	(50-150)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201303120367	Aluminum Total ICAP/MS	ND	200	186	ug/L	93	(70-130)		
MSD_201303120367	Aluminum Total ICAP/MS	ND	200	188	ug/L	94	(70-130)	20	1.1
LCS1	Antimony Total ICAP/MS		50	54.1	ug/L	108	(85-115)		
LCS2	Antimony Total ICAP/MS		50	54.2	ug/L	108	(85-115)	20	0.19
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303120367	Antimony Total ICAP/MS	ND	50	48.5	ug/L	97	(70-130)		
MSD_201303120367	Antimony Total ICAP/MS	ND	50	49.5	ug/L	99	(70-130)	20	2.0
LCS1	Arsenic Total ICAP/MS		20	21.0	ug/L	105	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	0.95
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	1.03	ug/L	103	(50-150)		
MS_201303120367	Arsenic Total ICAP/MS	ND	20	19.0	ug/L	95	(70-130)		
MSD_201303120367	Arsenic Total ICAP/MS	ND	20	19.1	ug/L	96	(70-130)	20	0.53
LCS1	Barium Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Barium Total ICAP/MS		100	110	ug/L	110	(85-115)	20	0.91
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.10	ug/L	105	(50-150)		
MS_201303120367	Barium Total ICAP/MS	ND	100	99.3	ug/L	99	(70-130)		
MSD_201303120367	Barium Total ICAP/MS	ND	100	100	ug/L	100	(70-130)	20	0.70
LCS1	Beryllium Total ICAP/MS		5.0	5.30	ug/L	106	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.26	ug/L	105	(85-115)	20	0.76
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.967	ug/L	97	(50-150)		
MS_201303120367	Beryllium Total ICAP/MS	ND	5.0	4.83	ug/L	97	(70-130)		
MSD_201303120367	Beryllium Total ICAP/MS	ND	5.0	4.92	ug/L	98	(70-130)	20	1.9
LCS1	Cadmium Total ICAP/MS		20	21.3	ug/L	107	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	21.7	ug/L	108	(85-115)	20	1.9
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.531	ug/L	106	(50-150)		
MS_201303120367	Cadmium Total ICAP/MS	ND	20	19.5	ug/L	97	(70-130)		
MSD_201303120367	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	99	(70-130)	20	1.0
LCS1	Chromium Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	0.93
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303120367	Chromium Total ICAP/MS	ND	100	95.9	ug/L	96	(70-130)		
MSD_201303120367	Chromium Total ICAP/MS	ND	100	97.0	ug/L	97	(70-130)	20	1.1

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
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Laboratory QC
Report: 428320

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Copper Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Copper Total ICAP/MS		100	109	ug/L	109	(85-115)	20	0.0
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.13	ug/L	106	(50-150)		
MS_201303120367	Copper Total ICAP/MS	ND	100	93.3	ug/L	93	(70-130)		
MSD_201303120367	Copper Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)	20	2.0
LCS1	Lead Total ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.507	ug/L	101	(50-150)		
MS_201303120367	Lead Total ICAP/MS	ND	20	18.9	ug/L	94	(70-130)		
MSD_201303120367	Lead Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	2.6
LCS1	Manganese Total ICAP/MS		50	52.3	ug/L	105	(85-115)		
LCS2	Manganese Total ICAP/MS		50	51.7	ug/L	103	(85-115)	20	1.1
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.08	ug/L	104	(50-150)		
MS_201303120367	Manganese Total ICAP/MS	ND	50	46.0	ug/L	92	(70-130)		
MSD_201303120367	Manganese Total ICAP/MS	ND	50	46.7	ug/L	93	(70-130)	20	1.5
LCS1	Nickel Total ICAP/MS		50	54.4	ug/L	109	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.9	ug/L	108	(85-115)	20	0.92
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.34	ug/L	107	(50-150)		
MS_201303120367	Nickel Total ICAP/MS	ND	50	47.2	ug/L	95	(70-130)		
MSD_201303120367	Nickel Total ICAP/MS	ND	50	47.9	ug/L	96	(70-130)	20	1.3
LCS1	Selenium Total ICAP/MS		20	20.8	ug/L	104	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.3	ug/L	107	(85-115)	20	2.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.04	ug/L	101	(50-150)		
MS_201303120367	Selenium Total ICAP/MS	ND	20	19.0	ug/L	95	(70-130)		
MSD_201303120367	Selenium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	2.1
LCS1	Thallium Total ICAP/MS		20	21.5	ug/L	108	(85-115)		
LCS2	Thallium Total ICAP/MS		20	21.1	ug/L	106	(85-115)	20	1.9
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	0.994	ug/L	99	(50-150)		
MS_201303120367	Thallium Total ICAP/MS	ND	20	18.9	ug/L	95	(70-130)		
MSD_201303120367	Thallium Total ICAP/MS	ND	20	19.3	ug/L	97	(70-130)	20	2.1
LCS1	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	0.0

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Laboratory QC
Report: 428320

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	20.9	ug/L	105	(50-150)		
MS_201303120367	Zinc Total ICAP/MS	ND	100	97.4	ug/L	97	(70-130)		
MSD_201303120367	Zinc Total ICAP/MS	ND	100	98.2	ug/L	98	(70-130)	20	0.82
QC Ref# 699747 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/26/2013**			
LCS1	Silver Total ICAP/MS		50	50.1	ug/L	100	(85-115)		
LCS2	Silver Total ICAP/MS		50	50.8	ug/L	102	(85-115)	20	1.4
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.485	ug/L	97	(50-150)		
MS_201303190572	Silver Total ICAP/MS	ND	50	50.4	ug/L	101	(70-130)		
MS2_201303190584	Silver Total ICAP/MS	ND	50	49.4	ug/L	99	(70-130)		
MSD_201303190572	Silver Total ICAP/MS	ND	50	49.2	ug/L	98	(70-130)	20	2.4
MSD2_201303190584	Silver Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)	20	1.2
QC Ref# 699842 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/26/2013**			
LCS1	Aluminum Total ICAP/MS		200	214	ug/L	107	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	219	ug/L	110	(85-115)	20	2.3
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.4	ug/L	102	(50-150)		
MS_201303260003	Aluminum Total ICAP/MS	ND	200	199	ug/L	95	(70-130)		
MS2_201303210041	Aluminum Total ICAP/MS	ND	200	202	ug/L	101	(70-130)		
MSD_201303260003	Aluminum Total ICAP/MS	ND	200	200	ug/L	95	(70-130)	20	0.50
MSD2_201303210041	Aluminum Total ICAP/MS	ND	200	199	ug/L	100	(70-130)	20	1.5
LCS1	Antimony Total ICAP/MS		50	55.2	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	56.4	ug/L	113	(85-115)	20	2.0
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	101	(50-150)		
MS_201303260003	Antimony Total ICAP/MS	ND	50	51.6	ug/L	103	(70-130)		
MS2_201303210041	Antimony Total ICAP/MS	ND	50	53.1	ug/L	106	(70-130)		
MSD_201303260003	Antimony Total ICAP/MS	ND	50	51.8	ug/L	103	(70-130)	20	0.39
MSD2_201303210041	Antimony Total ICAP/MS	ND	50	52.9	ug/L	106	(70-130)	20	0.38
LCS1	Arsenic dissolved ICAP/MS		20	21.3	ug/L	106	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.6	ug/L	108	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.818	ug/L	82	(50-150)		
MS_201303260003	Arsenic dissolved ICAP/MS	12.5	20	32.1	ug/L	98	(70-130)		
MS2_201303210041	Arsenic dissolved ICAP/MS	ND	20	20.6	ug/L	103	(70-130)		
MSD_201303260003	Arsenic dissolved ICAP/MS	12.5	20	32.0	ug/L	98	(70-130)	20	0.31

Spike recovery is already corrected for native results.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Report: 428320

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303210041	Arsenic dissolved ICAP/MS	ND	20	20.2	ug/L	101	(70-130)	20	2.0
LCS1	Arsenic Total ICAP/MS		20	21.3	ug/L	106	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.6	ug/L	108	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.818	ug/L	82	(50-150)		
MS_201303260003	Arsenic Total ICAP/MS	12.5	20	32.1	ug/L	98	(70-130)		
MS2_201303210041	Arsenic Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)		
MSD_201303260003	Arsenic Total ICAP/MS	12.5	20	32.0	ug/L	98	(70-130)	20	0.31
MSD2_201303210041	Arsenic Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)	20	2.0
LCS1	Barium Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Barium Total ICAP/MS		100	113	ug/L	113	(85-115)	20	2.7
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.20	ug/L	110	(50-150)		
MS_201303260003	Barium Total ICAP/MS	8.502	100	113	ug/L	104	(70-130)		
MS2_201303210041	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303260003	Barium Total ICAP/MS	8.502	100	113	ug/L	104	(70-130)	20	0.0
MSD2_201303210041	Barium Total ICAP/MS	ND	100	105	ug/L	105	(70-130)	20	1.9
LCS1	Beryllium Total ICAP/MS		5.0	5.16	ug/L	103	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.25	ug/L	105	(85-115)	20	1.7
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.790	ug/L	79	(50-150)		
MS_201303260003	Beryllium Total ICAP/MS	ND	5.0	5.10	ug/L	102	(70-130)		
MS2_201303210041	Beryllium Total ICAP/MS	ND	5.0	5.06	ug/L	101	(70-130)		
MSD_201303260003	Beryllium Total ICAP/MS	ND	5.0	5.15	ug/L	103	(70-130)	20	0.98
MSD2_201303210041	Beryllium Total ICAP/MS	ND	5.0	5.08	ug/L	102	(70-130)	20	0.39
LCS1	Cadmium Total ICAP/MS		20	21.8	ug/L	109	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	21.8	ug/L	109	(85-115)	20	0.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.516	ug/L	103	(50-150)		
MS_201303260003	Cadmium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MS2_201303210041	Cadmium Total ICAP/MS	ND	20	21.3	ug/L	107	(70-130)		
MSD_201303260003	Cadmium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	0.0
MSD2_201303210041	Cadmium Total ICAP/MS	ND	20	21.6	ug/L	108	(70-130)	20	1.4
LCS1	Chromium Total ICAP/MS		100	106	ug/L	106	(85-115)		
LCS2	Chromium Total ICAP/MS		100	108	ug/L	109	(85-115)	20	2.8
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.10	ug/L	110	(50-150)		
MS_201303260003	Chromium Total ICAP/MS	ND	100	95.7	ug/L	95	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303210041	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MSD_201303260003	Chromium Total ICAP/MS	ND	100	95.6	ug/L	95	(70-130)	20	0.11
MSD2_201303210041	Chromium Total ICAP/MS	ND	100	99.5	ug/L	100	(70-130)	20	1.5
LCS1	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	1.95	ug/L	98	(50-150)		
MS_201303260003	Copper Total ICAP/MS	ND	100	97.2	ug/L	97	(70-130)		
MS2_201303210041	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)		
MSD_201303260003	Copper Total ICAP/MS	ND	100	96.6	ug/L	96	(70-130)	20	0.62
MSD2_201303210041	Copper Total ICAP/MS	ND	100	101	ug/L	101	(70-130)	20	0.99
LCS1	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.4	ug/L	112	(85-115)	20	1.8
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.535	ug/L	107	(50-150)		
MS_201303260003	Lead Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)		
MS2_201303210041	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201303260003	Lead Total ICAP/MS	ND	20	20.3	ug/L	101	(70-130)	20	0.49
MSD2_201303210041	Lead Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)	20	0.96
LCS1	Manganese Total ICAP/MS		50	53.0	ug/L	106	(85-115)		
LCS2	Manganese Total ICAP/MS		50	54.0	ug/L	108	(85-115)	20	2.0
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.10	ug/L	105	(50-150)		
MS_201303260003	Manganese Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)		
MS2_201303210041	Manganese Total ICAP/MS	ND	50	49.8	ug/L	100	(70-130)		
MSD_201303260003	Manganese Total ICAP/MS	ND	50	47.4	ug/L	95	(70-130)	20	0.42
MSD2_201303210041	Manganese Total ICAP/MS	ND	50	49.3	ug/L	99	(70-130)	20	1.0
LCS1	Nickel Total ICAP/MS		50	53.8	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	55.0	ug/L	110	(85-115)	20	2.2
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	4.74	ug/L	95	(50-150)		
MS_201303260003	Nickel Total ICAP/MS	ND	50	48.8	ug/L	96	(70-130)		
MS2_201303210041	Nickel Total ICAP/MS	ND	50	51.2	ug/L	102	(70-130)		
MSD_201303260003	Nickel Total ICAP/MS	ND	50	48.0	ug/L	94	(70-130)	20	1.6
MSD2_201303210041	Nickel Total ICAP/MS	ND	50	51.0	ug/L	102	(70-130)	20	0.39
LCS1	Selenium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.9	ug/L	110	(85-115)	20	1.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Selenium Total ICAP/MS		5.0	5.15	ug/L	103	(50-150)		
MS_201303260003	Selenium Total ICAP/MS	ND	20	20.7	ug/L	102	(70-130)		
MS2_201303210041	Selenium Total ICAP/MS	ND	20	22.1	ug/L	110	(70-130)		
MSD_201303260003	Selenium Total ICAP/MS	ND	20	21.2	ug/L	105	(70-130)	20	2.9
MSD2_201303210041	Selenium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)	20	4.6
LCS1	Thallium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.5	ug/L	113	(85-115)	20	2.3
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.06	ug/L	106	(50-150)		
MS_201303260003	Thallium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)		
MS2_201303210041	Thallium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MSD_201303260003	Thallium Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)	20	0.50
MSD2_201303210041	Thallium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.48
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	110	ug/L	110	(85-115)	20	0.91
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.2	ug/L	106	(50-150)		
MS_201303260003	Zinc Total ICAP/MS	ND	100	101	ug/L	100	(70-130)		
MS2_201303210041	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303260003	Zinc Total ICAP/MS	ND	100	101	ug/L	100	(70-130)	20	0.0
MSD2_201303210041	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)	20	0.0

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
04/08/2013
EUROFINS EATON ANALYTICAL

DST: David S Tripp
Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 428139
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-011
Georgia	947	**Pennsylvania**	68-565
Guam	12-006r	**Rhode Island**	LAO00326
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-12-4
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA130008	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

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Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 428139
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **March 13, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201303140168	OW8D	03/12/2013 1330

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

CHAIN OF CUSTODY RECORD

428139

eurofins | Eaton Analytical

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Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: W

SAMPLES LOGGED IN BY: JS

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:

☐ Colton / No. California / Arizona _____ °C (Compliance: 4 ± 2 °C)

☑ Monrovia 3.6 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen _____ Partially Frozen ✓ Thawed _____ Wet Ice _____ No Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:	PROJECT CODE:	COMPLIANCE SAMPLES (check for yes) ☐ / NON-COMPLIANCE SAMPLES (check for yes) ☐
		- Requires state forms ☐ / REGULATION INVOLVED:
		Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)
EEA CLIENT CODE:	COC ID: / SAMPLE GROUP:	*SEE ATTACHED BOTTLE ORDER FOR ANALYSES* ☐ (check for yes), *OR*
		list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	ser bottle List													SAMPLER COMMENTS
3/12/13	1330	OWSD		RGW			X													

* **MATRIX TYPES:** **RSW** = Raw Surface Water; **RGW** = Raw Ground Water; **CFW** = Chlor(am)inated Finished Water; **FW** = Other Finished Water; **SEAW** = Sea Water; **WW** = Waste Water; **BW** = Bottled Water; **SW** = Storm Water; **SO** = Soil; **SL** = Sludge; **O** = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	manuel	manuel	CG Roxane LLC	3/12/13	13/12
RELINQUISHED BY:					
RECEIVED BY:		CHRIS CAB DEMA	EEA	3-13-13	1135
RELINQUISHED BY:					
RECEIVED BY:					

PAGE ____ OF ____

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(626) 386-1100 FAX (626) 386-1101

Kit Order for Crystal Geyser Roxane

David S Tripp is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 64038
Created By: DST
Order Date: 02/15/2013
Ship By: 02/05/2013
STG: Bottle Orders

Client ID: CRYSTAL-ROX
Project Code: CGR-OLANCHA Bottle Orders
Group Name: General Mineral & Bromide
PO#/JOB#:

Ship Sample Kits to
Crystal Geyser Roxane
1210 South Highway 395
Olancha, CA 93549

Attn: Manuel Luna - Shipping
Phone: 760-764-1822
Fax: 760-764-2861

Send Report to
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822
Fax: 760-764-2157

Billing Address
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Barbie Button
Phone: 760-764-2885
Fax: 760-764-2026

# of Samples	Tests	Bottles - Qty for each sample, type & preservative if a	UN DOT #
7	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant), Specific Conductance, Arsenic dissolved ICAP/MS, Turbidity	1 125ml poly no preservative	
1	@ICP, @ICPMS, Mercury	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
6	@ICP, @ICPMS, Mercury	1 500ml acid poly 2ml HNO3 (18%)	UN2031
7	Bromide by 300.1	1 60mL poly 0.60mL 5% EDA sol'n	
7	Surfactants	1 500ml poly no preservative	
7	Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

SHIPPING: Please deliver by Friday 02/15 - 7 separate kits.

LOGIN: Please make note when logging in that As and Br are for the low-level versions (0.2 & 2.0 ug/L respectively). GMMST22 includes pH, sodium, and Turbidity is added.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

From: (760) 764-2885
Manuel Luna
CG Roxane LLC
1210 s. hwy 395

Olancha, CA 93549

Origin ID: IYKA

FedEx Express

J13101212190326

Ship Date: 12MAR13
ActWgt: 10.0 LB
CAD: 7147219/INET3370

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (626) 386-1158

BILL SENDER

David
Eurofins Lab
750 ROYAL OAKS DR
STE 100
MONROVIA, CA 91016

1 of 3

TRK# 7992 6166 1504

0201

WED - 13 MAR 3:00P
STANDARD OVERNIGHT

MASTER

92 WHPA

91016
CA-US
BUR

518G2/DCF8/93AB

After printing this label:
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2. Fold the printed page along the horizontal line.
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Laboratory Hits
Report: 428139

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201303140168	**OW8D**				
03/18/2013 10:33	Agressiveness Index-Calculated		11		None	0.1
03/15/2013 14:57	Alkalinity in CaCO3 units		88		mg/L	2
03/14/2013 17:37	Aluminum Total ICAP/MS		21	200	ug/L	20
03/16/2013 18:30	Anion Sum - Calculated		2.0		meq/L	0.001
03/19/2013 16:06	Arsenic dissolved ICAP/MS		22		ug/L	1
03/18/2013 19:10	Arsenic Total ICAP/MS		23	10	ug/L	1
03/18/2013 10:33	Bicarb.Alkalinity as HCO3calc		110		mg/L	2
03/14/2013 13:51	Bromide by 300.1		10		ug/L	2
03/15/2013 23:33	Calcium Total ICAP		1.5		mg/L	1
03/27/2013 03:48	Carbonate as CO3, Calculated		2.5		mg/L	2
03/18/2013 09:52	Cation Sum - Calculated		2.5		meq/L	0.001
03/13/2013 17:55	Chloride		1.5	250	mg/L	1
03/15/2013 20:00	Fluoride		0.40	4	mg/L	0.05
03/15/2013 23:33	Iron Total ICAP		0.030	0.3	mg/L	0.02
03/27/2013 03:48	Langelier Index - 25 degree		-0.68		None	
03/18/2013 10:33	Langelier Index at 60 degrees C		-0.24		None	
03/15/2013 23:33	Magnesium Total ICAP		0.15		mg/L	0.1
03/15/2013 03:30	PH (H3=past HT not compliant)		8.6		Units	0.1
03/27/2013 03:48	pH of CaCO3 saturation(25C)		9.2		Units	0.1
03/18/2013 10:33	pH of CaCO3 saturation(60C)		8.8		Units	0.1
03/15/2013 23:33	Sodium Total ICAP		55		mg/L	1
03/15/2013 03:30	Specific Conductance, 25 C		230		umho/cm	2
03/13/2013 17:55	Sulfate		10	250	mg/L	0.5
03/15/2013 12:49	Total Dissolved Solids (TDS)		160	500	mg/L	10
03/18/2013 09:52	Total Hardness as CaCO3 by ICP (calc)		4.4		mg/L	3
03/13/2013 14:40	Turbidity		0.57	5	NTU	0.05

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 428139

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
OW8D (201303140168)						**Sampled on 03/12/2013 1330**		
			EPA 200.8 - ICPMS Metals					
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Aluminum Total ICAP/MS	21	ug/L	20	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/19/2013	16:06 698752	(EPA 200.8)	Arsenic dissolved ICAP/MS	22	ug/L	1	1
3/14/2013	03/18/2013	19:10 698763	(EPA 200.8)	Arsenic Total ICAP/MS	23	ug/L	1	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Barium Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/20/2013	13:06 698842	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:37 698012	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/14/2013	03/15/2013	23:33 698217	(EPA 200.7)	Calcium Total ICAP	1.5	mg/L	1	1
3/14/2013	03/15/2013	23:33 698217	(EPA 200.7)	Iron Total ICAP	0.030	mg/L	0.02	1
3/14/2013	03/15/2013	23:33 698217	(EPA 200.7)	Magnesium Total ICAP	0.15	mg/L	0.1	1
3/14/2013	03/15/2013	23:33 698217	(EPA 200.7)	Potassium Total ICAP	ND	mg/L	1	1
3/14/2013	03/15/2013	23:33 698217	(EPA 200.7)	Sodium Total ICAP	55	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/14/2013	03/15/2013	17:43 698243	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/18/2013	10:33	(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/18/2013	10:33	(SM 2330B)	pH of CaCO3 saturation(60C)	8.8	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/18/2013	10:33	(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/27/2013	03:48	(SM 2330B)	Langelier Index - 25 degree	-0.68	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/27/2013	03:48	(SM2330B)	Carbonate as CO3, Calculated	2.5	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428139

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/18/2013	09:52	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	4.4	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/16/2013	18:30	(SM 1030E)	Anion Sum - Calculated	2.0	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/18/2013	09:52	(SM 1030E)	Cation Sum - Calculated	2.5	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/27/2013	03:48	(SM 2330B)	pH of CaCO3 saturation(25C)	9.2	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/18/2013	10:33	(SM2330B)	Bicarb.Alkalinity as HCO3calc	110	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/18/2013	10:33	(SM 2330)	Agressiveness Index-Calculated	11	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/18/2013	10:33	(SM 2330B)	Langelier Index at 60 degrees C	-0.24	None		1
			SM 1030E - Cation/Anion Difference					
	03/19/2013	01:07	(SM 1030E)	Cation/Anion Difference	9.5	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	03/13/2013	17:55 697933	(EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/L	0.1	1
	03/13/2013	17:55 697933	(EPA 300.0)	Nitrate as NO3 (calc)	ND	mg/L	0.44	1
	03/13/2013	17:55 697933	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	03/13/2013	17:55 697933	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	ND	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/14/2013	13:51 698017	(EPA 300.1)	Bromide by 300.1	10	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	03/13/2013	17:55 697938	(EPA 300.0)	Chloride	1.5	mg/L	1	1
	03/13/2013	17:55 697938	(EPA 300.0)	Sulfate	10	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/15/2013	20:00 698091	(SM 4500F-C)	Fluoride	0.40	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/15/2013	14:57 697983	(SM 2320B)	Alkalinity in CaCO3 units	88	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/14/2013	03/15/2013	12:49 697952	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	160	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/15/2013	03:30 697988	(SM4500-HB)	PH (H3=past HT not compliant)	8.6	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	03/14/2013	08:19 698413	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428139

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/13/2013 14:40	697855	(EPA 180.1)	Turbidity	0.57	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/15/2013 03:30	697989	(SM2510B)	Specific Conductance, 25 C	230	umho/cm	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Comments
Report: 428139

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 697855 - Turbidity — **Analysis Date: 03/13/2013**
201303140168 OW8D — Analyzed by: ADV

QC Ref # 697933 - Nitrate, Nitrite by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140168 OW8D — Analyzed by: CYP

QC Ref # 697938 - Chloride, Sulfate by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140168 OW8D — Analyzed by: CYP

QC Ref # 697952 - Total Dissolved Solids (TDS) — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: JRF

QC Ref # 697983 - Alkalinity in CaCO3 units — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: JMO

QC Ref # 697988 - PH (H3=past HT not compliant) — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: JMO

QC Ref # 697989 - Specific Conductance — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: JMO

QC Ref # 698012 - ICPMS Metals — **Analysis Date: 03/14/2013**
201303140168 OW8D — Analyzed by: SXK

QC Ref # 698017 - Disinfection ByProducts by 300.1 — **Analysis Date: 03/14/2013**
201303140168 OW8D — Analyzed by: TLH

QC Ref # 698091 - Fluoride — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: MXT

QC Ref # 698217 - ICP Metals — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: NINA

QC Ref # 698243 - Mercury Total — **Analysis Date: 03/15/2013**
201303140168 OW8D — Analyzed by: MXT

QC Ref # 698413 - Surfactants — **Analysis Date: 03/14/2013**
201303140168 OW8D — Analyzed by: LLL

QC Ref # 698752 - ICPMS Metals — **Analysis Date: 03/19/2013**
201303140168 OW8D — Analyzed by: SXK

QC Ref # 698763 - ICPMS Metals — **Analysis Date: 03/18/2013**
201303140168 OW8D — Analyzed by: DTN

QC Ref # 698842 - ICPMS Metals — **Analysis Date: 03/20/2013**
201303140168 OW8D — Analyzed by: SXK

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 697855 - Turbidity by EPA 180.1						**Analysis Date: 03/13/2013**			
DUP1_201303120620	Turbidity	0.074		0.0730	NTU		(0-20)		
DUP2_201303120804	Turbidity	0.11		0.108	NTU		(0-20)	20	0.0
LCS1	Turbidity		20	19.9	NTU	100	(90-110)		
LCS2	Turbidity		20	19.9	NTU	100	(90-110)	20	0.0
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0650	NTU	130	(50-150)		
QC Ref# 697933 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.53	mg/L	101	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.54	mg/L	102	(90-110)	20	0.39
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0503	mg/L	101	(50-150)		
MRLLW	Nitrate as Nitrogen by IC		0.013	0.0142	mg/L	114	(50-150)		
MS_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)		
MS_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)		
MSD_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)	20	0.0
MSD_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.990	mg/L	99	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.985	mg/L	99	(90-110)	20	0.51
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0538	mg/L	108	(50-150)		
MRLLW	Nitrite Nitrogen by IC		0.013	0.0120	mg/L	96	(50-150)		
MS_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.515	mg/L	103	(80-120)		
MS_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.510	mg/L	102	(80-120)		
MSD_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.511	mg/L	102	(80-120)	20	0.20
MSD_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.516	mg/L	103	(80-120)	20	0.19
QC Ref# 697938 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Chloride		25	26.3	mg/L	105	(90-110)		
LCS2	Chloride		25	26.5	mg/L	106	(90-110)	20	0.76
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.439	mg/L	88	(50-150)		
MS_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)		
MS_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)		
MSD_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)	20	0.0
MSD_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)	20	0.0
LCS1	Sulfate		50	51.4	mg/L	103	(90-110)		
LCS2	Sulfate		50	51.6	mg/L	103	(90-110)	20	0.39

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.971	mg/L	97	(50-150)		
MRLLW	Sulfate		0.25	0.256	mg/L	102	(50-150)		
MS_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)		
MS_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)		
MSD_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)	20	0.0
MSD_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)	20	0.0
QC Ref# 697952 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/15/2013**			
DUP_201303130385	Total Dissolved Solid (TDS)	470		472	mg/L		(0-20)	20	0.43
DUP_201303140163	Total Dissolved Solid (TDS)	180		176	mg/L		(0-20)	20	1.1
LCS1	Total Dissolved Solid (TDS)		175	178	mg/L	102	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	696	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 697983 - Alkalinity in CaCO3 units by SM 2320B						**Analysis Date: 03/15/2013**			
LCS1	Alkalinity in CaCO3 units		100	97.3	mg/L	97	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	93.0	mg/L	93	(90-110)	20	4.5
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	1.99	mg/L	100	(50-150)		
MS_201303120219	Alkalinity in CaCO3 units	57	100	152	mg/L	96	(80-120)		
MS_201303120220	Alkalinity in CaCO3 units	60	100	156	mg/L	96	(80-120)		
MSD_201303120219	Alkalinity in CaCO3 units	57	100	151	mg/L	94	(80-120)	20	1.3
MSD_201303120220	Alkalinity in CaCO3 units	60	100	150	mg/L	90	(80-120)	20	3.9
QC Ref# 697988 - PH (H3=past HT not compliant) by SM4500-HB						**Analysis Date: 03/14/2013**			
DUP_201303120549	PH (H3=past HT not compliant)	8.1		7.93	Units		(0-20)	20	2.0
DUP2_201303130385	PH (H3=past HT not compliant)	8.0		8.03	Units		(0-20)	20	0.12
LCS3	PH (H3=past HT not compliant)		8.0	8.01	Units	100	(99-101)		
LCS4	PH (H3=past HT not compliant)		8.0	8.00	Units	100	(99-101)	20	0.13
QC Ref# 697989 - Specific Conductance by SM2510B						**Analysis Date: 03/14/2013**			
DUP2_201303130385	Specific Conductance	690		113000	umho/cm		(0-20)	20	**200**
LCS1	Specific Conductance		1000	993	umho/cm	99	(95-105)		
LCS2	Specific Conductance		1000	995	umho/cm	100	(95-105)	20	0.20
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	2.20	umho/cm	110	(50-150)		
QC Ref# 698012 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/14/2013**			
LCS1	Aluminum Total ICAP/MS		200	199	ug/L	100	(85-115)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Aluminum Total ICAP/MS		200	198	ug/L	99	(85-115)	20	0.50
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.4	ug/L	102	(50-150)		
MS_201303150303	Aluminum Total ICAP/MS	ND	200	187	ug/L	93	(70-130)		
MS2_201303140168	Aluminum Total ICAP/MS	21	200	204	ug/L	91	(70-130)		
MSD_201303150303	Aluminum Total ICAP/MS	ND	200	188	ug/L	94	(70-130)	20	0.53
MSD2_201303140168	Aluminum Total ICAP/MS	21	200	214	ug/L	97	(70-130)	20	5.3
LCS1	Antimony Total ICAP/MS		50	51.8	ug/L	103	(85-115)		
LCS2	Antimony Total ICAP/MS		50	51.9	ug/L	104	(85-115)	20	0.19
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303150303	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)		
MS2_201303140168	Antimony Total ICAP/MS	ND	50	49.1	ug/L	98	(70-130)		
MSD_201303150303	Antimony Total ICAP/MS	ND	50	50.3	ug/L	100	(70-130)	20	0.80
MSD2_201303140168	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)	20	1.6
LCS1	Arsenic Total ICAP/MS		20	20.9	ug/L	104	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.7	ug/L	104	(85-115)	20	0.96
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.863	ug/L	86	(50-150)		
MS_201303150303	Arsenic Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201303140168	Arsenic Total ICAP/MS	23	20	41.6	ug/L	99	(70-130)		
MSD_201303150303	Arsenic Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Arsenic Total ICAP/MS	23	20	41.7	ug/L	100	(70-130)	20	0.24
LCS1	Barium Total ICAP/MS		100	104	ug/L	103	(85-115)		
LCS2	Barium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.09	ug/L	105	(50-150)		
MS_201303150303	Barium Total ICAP/MS	ND	100	99.1	ug/L	99	(70-130)		
MS2_201303140168	Barium Total ICAP/MS	ND	100	100	ug/L	99	(70-130)		
MSD_201303150303	Barium Total ICAP/MS	ND	100	99.7	ug/L	100	(70-130)	20	0.60
MSD2_201303140168	Barium Total ICAP/MS	ND	100	102	ug/L	100	(70-130)	20	2.0
LCS1	Beryllium Total ICAP/MS		5.0	5.11	ug/L	102	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.05	ug/L	101	(85-115)	20	1.2
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.968	ug/L	97	(50-150)		
MS_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.86	ug/L	97	(70-130)		
MS2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.19	ug/L	104	(70-130)		
MSD_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.88	ug/L	98	(70-130)	20	0.41

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.27	ug/L	105	(70-130)	20	1.5
LCS1	Cadmium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.9	ug/L	105	(85-115)	20	1.5
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.574	ug/L	115	(50-150)		
MS_201303150303	Cadmium Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303140168	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	98	(70-130)		
MSD_201303150303	Cadmium Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)	20	1.0
MSD2_201303140168	Cadmium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	2.0
LCS1	Chromium Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Chromium Total ICAP/MS		100	104	ug/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303150303	Chromium Total ICAP/MS	ND	100	97.6	ug/L	98	(70-130)		
MS2_201303140168	Chromium Total ICAP/MS	ND	100	95.1	ug/L	95	(70-130)		
MSD_201303150303	Chromium Total ICAP/MS	ND	100	97.5	ug/L	98	(70-130)	20	0.10
MSD2_201303140168	Chromium Total ICAP/MS	ND	100	96.9	ug/L	97	(70-130)	20	1.9
LCS1	Copper Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.08	ug/L	104	(50-150)		
MS_201303150303	Copper Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)		
MS2_201303140168	Copper Total ICAP/MS	ND	100	96.4	ug/L	96	(70-130)		
MSD_201303150303	Copper Total ICAP/MS	ND	100	94.9	ug/L	95	(70-130)	20	0.32
MSD2_201303140168	Copper Total ICAP/MS	ND	100	97.0	ug/L	97	(70-130)	20	0.62
LCS1	Lead Total ICAP/MS		20	20.1	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)	20	0.50
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.482	ug/L	96	(50-150)		
MS_201303150303	Lead Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MS2_201303140168	Lead Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	2.1
LCS1	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)	20	0.20
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.97	ug/L	99	(50-150)		
MS_201303150303	Manganese Total ICAP/MS	ND	50	46.8	ug/L	94	(70-130)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303140168	Manganese Total ICAP/MS	ND	50	48.0	ug/L	93	(70-130)		
MSD_201303150303	Manganese Total ICAP/MS	ND	50	47.0	ug/L	94	(70-130)	20	0.43
MSD2_201303140168	Manganese Total ICAP/MS	ND	50	48.7	ug/L	94	(70-130)	20	1.2
LCS1	Nickel Total ICAP/MS		50	51.4	ug/L	103	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.7	ug/L	103	(85-115)	20	0.58
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.40	ug/L	108	(50-150)		
MS_201303150303	Nickel Total ICAP/MS	ND	50	47.6	ug/L	95	(70-130)		
MS2_201303140168	Nickel Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)		
MSD_201303150303	Nickel Total ICAP/MS	ND	50	47.9	ug/L	96	(70-130)	20	0.63
MSD2_201303140168	Nickel Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)	20	1.3
LCS1	Selenium Total ICAP/MS		20	21.1	ug/L	106	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.4	ug/L	107	(85-115)	20	1.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.00	ug/L	100	(50-150)		
MS_201303150303	Selenium Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)		
MS2_201303140168	Selenium Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MSD_201303150303	Selenium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)	20	4.4
MSD2_201303140168	Selenium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	6.5
LCS1	Thallium Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.3	ug/L	101	(85-115)	20	0.49
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	0.996	ug/L	100	(50-150)		
MS_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)		
MS2_201303140168	Thallium Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	0.51
MSD2_201303140168	Thallium Total ICAP/MS	ND	20	19.4	ug/L	96	(70-130)	20	1.0
LCS1	Zinc Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Zinc Total ICAP/MS		100	102	ug/L	102	(85-115)	20	0.98
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.0	ug/L	105	(50-150)		
MS_201303150303	Zinc Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303140168	Zinc Total ICAP/MS	ND	100	98.5	ug/L	98	(70-130)		
MSD_201303150303	Zinc Total ICAP/MS	ND	100	100	ug/L	100	(70-130)	20	1
MSD2_201303140168	Zinc Total ICAP/MS	ND	100	99.5	ug/L	99	(70-130)	20	1.0
QC Ref# 698017 - Disinfection ByProducts by 300.1 by EPA 300.1							**Analysis Date: 03/14/2013**		
LCS1	Bromide by 300.1		10	9.98	ug/L	100	(90-110)		
LCS2	Bromide by 300.1		10	10.6	ug/L	106	(90-110)	20	6.0

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
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Report: 428139

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	2.26	ug/L	113	(50-150)		
MS_201303140167	Bromide by 300.1	30	10	40.0	ug/L	98	(85-115)		
MSD_201303140167	Bromide by 300.1	30	10	40.2	ug/L	100	(85-115)	20	0.50
QC Ref# 698091 - Fluoride by SM 4500F-C						**Analysis Date: 03/15/2013**			
LCS1	Fluoride		1.0	1.06	mg/L	106	(81-116)		
LCS2	Fluoride		1.0	1.06	mg/L	106	(81-116)	20	0.0
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0506	mg/L	101	(50-150)		
MS_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)		
MS2_201303140169	Fluoride	0.58	1.0	1.59	mg/L	101	(73-124)		
MSD_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)	20	0.0
MSD2_201303140169	Fluoride	0.58	1.0	1.62	mg/L	104	(73-124)	20	1.9
QC Ref# 698217 - ICP Metals by EPA 200.7						**Analysis Date: 03/15/2013**			
LCS1	Calcium Total ICAP		50	45.2	mg/L	91	(85-115)		
LCS2	Calcium Total ICAP		50	45.8	mg/L	92	(85-115)	20	1.3
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	0.918	mg/L	92	(50-150)		
MS_201303140163	Calcium Total ICAP	37	50	82.4	mg/L	92	(70-130)		
MS2_201303140437	Calcium Total ICAP	9.1	50	54.2	mg/L	90	(70-130)		
MSD_201303140163	Calcium Total ICAP	37	50	82.8	mg/L	92	(70-130)	20	0.48
MSD2_201303140437	Calcium Total ICAP	9.1	50	55.6	mg/L	93	(70-130)	20	2.5
LCS1	Iron Total ICAP		5.0	4.81	mg/L	96	(85-115)		
LCS2	Iron Total ICAP		5.0	4.80	mg/L	96	(85-115)	20	0.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0189	mg/L	94	(50-150)		
MS_201303140163	Iron Total ICAP	ND	5.0	4.87	mg/L	97	(70-130)		
MS2_201303140437	Iron Total ICAP	0.093	5.0	4.89	mg/L	96	(70-130)		
MSD_201303140163	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)	20	0.41
MSD2_201303140437	Iron Total ICAP	0.093	5.0	4.91	mg/L	96	(70-130)	20	0.41
LCS1	Magnesium Total ICAP		20	20.3	mg/L	101	(85-115)		
LCS2	Magnesium Total ICAP		20	20.1	mg/L	101	(85-115)	20	0.99
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.101	mg/L	101	(50-150)		
MS_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)		
MS2_201303140437	Magnesium Total ICAP	5.8	20	26.0	mg/L	101	(70-130)		
MSD_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)	20	0.40

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140437	Magnesium Total ICAP	5.8	20	26.3	mg/L	102	(70-130)	20	1.1
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.2	mg/L	96	(85-115)	20	3.1
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.967	mg/L	97	(50-150)		
MS_201303140163	Potassium Total ICAP	1.0	20	21.1	mg/L	100	(70-130)		
MS2_201303140437	Potassium Total ICAP	1.6	20	20.6	mg/L	95	(70-130)		
MSD_201303140163	Potassium Total ICAP	1.0	20	20.8	mg/L	99	(70-130)	20	1.4
MSD2_201303140437	Potassium Total ICAP	1.6	20	21.0	mg/L	97	(70-130)	20	1.9
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.1	mg/L	100	(85-115)	20	1.6
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.00	mg/L	100	(50-150)		
MS_201303140163	Sodium Total ICAP	15	50	66.2	mg/L	102	(70-130)		
MS2_201303140437	Sodium Total ICAP	7.6	50	57.8	mg/L	100	(70-130)		
MSD_201303140163	Sodium Total ICAP	15	50	65.4	mg/L	100	(70-130)	20	1.2
MSD2_201303140437	Sodium Total ICAP	7.6	50	59.4	mg/L	104	(70-130)	20	2.7
QC Ref# 698243 - Mercury Total by EPA 245.1						**Analysis Date: 03/15/2013**			
LCS1	Mercury		1.5	1.42	ug/L	95	(85-115)		
LCS2	Mercury		1.5	1.44	ug/L	96	(85-115)	20	1.4
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.191	ug/L	96	(50-150)		
MS_201303140169	Mercury	ND	1.5	1.51	ug/L	100	(70-130)		
MS_201303130095	Mercury	ND	1.5	1.57	ug/L	105	(70-130)		
MSD_201303140169	Mercury	ND	1.5	1.43	ug/L	96	(70-130)	20	5.4
MSD_201303130095	Mercury	ND	1.5	1.54	ug/L	103	(70-130)	20	1.9
QC Ref# 698413 - Surfactants by SM 5540C/EPA 425.1						**Analysis Date: 03/14/2013**			
LCS1	Surfactants		0.2	0.193	mg/L	97	(90-110)		
LCS2	Surfactants		0.2	0.186	mg/L	93	(90-110)	20	3.7
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0297	mg/L	59	(50-150)		
MS_201303110107	Surfactants	ND	0.2	0.169	mg/L	84	(80-120)		
MSD_201303110107	Surfactants	ND	0.2	0.165	mg/L	83	(80-120)	20	2.4
QC Ref# 698752 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/19/2013**			
LCS1	Aluminum Total ICAP/MS		200	211	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	206	ug/L	103	(85-115)	20	2.4
MBLK	Aluminum Total ICAP/MS			<20	ug/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Aluminum Total ICAP/MS		20	21.3	ug/L	106	(50-150)		
MS_201303140161	Aluminum Total ICAP/MS	ND	200	195	ug/L	97	(70-130)		
MS2_201303150127	Aluminum Total ICAP/MS	ND	200	199	ug/L	99	(70-130)		
MSD_201303140161	Aluminum Total ICAP/MS	ND	200	191	ug/L	96	(70-130)	20	2.1
MSD2_201303150127	Aluminum Total ICAP/MS	ND	200	193	ug/L	96	(70-130)	20	3.1
LCS1	Antimony Total ICAP/MS		50	55.5	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	55.1	ug/L	110	(85-115)	20	0.72
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.14	ug/L	114	(50-150)		
MS_201303140161	Antimony Total ICAP/MS	ND	50	52.9	ug/L	105	(70-130)		
MS2_201303150127	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)		
MSD_201303140161	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)	20	0.38
MSD2_201303150127	Antimony Total ICAP/MS	ND	50	52.2	ug/L	104	(70-130)	20	0.95
LCS1	Arsenic dissolved ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic dissolved ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Arsenic Total ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)		
LCS2	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)	20	0.0
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.24	ug/L	112	(50-150)		
MS_201303140161	Barium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)		
MS2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Barium Total ICAP/MS	ND	100	106	ug/L	106	(70-130)	20	0.0
MSD2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	106	(70-130)	20	0.0
LCS1	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)		

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)	20	0.0
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303140161	Beryllium Total ICAP/MS	ND	5.0	5.00	ug/L	100	(70-130)		
MS2_201303150127	Beryllium Total ICAP/MS	ND	5.0	5.22	ug/L	104	(70-130)		
MSD_201303140161	Beryllium Total ICAP/MS	ND	5.0	4.99	ug/L	100	(70-130)	20	0.20
MSD2_201303150127	Beryllium Total ICAP/MS	ND	5.0	4.90	ug/L	98	(70-130)	20	6.3
LCS1	Cadmium Total ICAP/MS		20	21.9	ug/L	110	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	22.2	ug/L	111	(85-115)	20	1.4
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.529	ug/L	106	(50-150)		
MS_201303140161	Cadmium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)		
MS2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Cadmium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.96
MSD2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	105	(70-130)	20	0.0
LCS1	Chromium Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.20	ug/L	120	(50-150)		
MS_201303140161	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303150127	Chromium Total ICAP/MS	ND	100	103	ug/L	103	(70-130)		
MSD_201303140161	Chromium Total ICAP/MS	ND	100	99.4	ug/L	99	(70-130)	20	1.6
MSD2_201303150127	Chromium Total ICAP/MS	ND	100	99.9	ug/L	100	(70-130)	20	3.1
LCS1	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.25	ug/L	113	(50-150)		
MS_201303140161	Copper Total ICAP/MS	ND	100	99.2	ug/L	99	(70-130)		
MS2_201303150127	Copper Total ICAP/MS	ND	100	104	ug/L	104	(70-130)		
MSD_201303140161	Copper Total ICAP/MS	ND	100	96.8	ug/L	97	(70-130)	20	2.5
MSD2_201303150127	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)	20	2.9
LCS1	Lead Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.91
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.559	ug/L	112	(50-150)		
MS_201303140161	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MS2_201303150127	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Lead Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)	20	0.48

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303150127	Lead Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	2.4
LCS1	Manganese Total ICAP/MS		50	53.5	ug/L	107	(85-115)		
LCS2	Manganese Total ICAP/MS		50	52.5	ug/L	105	(85-115)	20	1.9
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.16	ug/L	108	(50-150)		
MS_201303140161	Manganese Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)		
MS2_201303150127	Manganese Total ICAP/MS	ND	50	50.3	ug/L	101	(70-130)		
MSD_201303140161	Manganese Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	1.6
MSD2_201303150127	Manganese Total ICAP/MS	ND	50	49.0	ug/L	98	(70-130)	20	2.6
LCS1	Nickel Total ICAP/MS		50	54.2	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.3	ug/L	107	(85-115)	20	1.7
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.23	ug/L	105	(50-150)		
MS_201303140161	Nickel Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)		
MS2_201303150127	Nickel Total ICAP/MS	ND	50	51.4	ug/L	103	(70-130)		
MSD_201303140161	Nickel Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	2.2
MSD2_201303150127	Nickel Total ICAP/MS	ND	50	49.8	ug/L	99	(70-130)	20	3.2
LCS1	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.39	ug/L	108	(50-150)		
MS_201303140161	Selenium Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)		
MS2_201303150127	Selenium Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Selenium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Selenium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	4.8
LCS1	Thallium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.1	ug/L	111	(85-115)	20	0.45
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_201303140161	Thallium Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)		
MS2_201303150127	Thallium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Thallium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Thallium Total ICAP/MS	ND	20	20.5	ug/L	103	(70-130)	20	2.9
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	2.8
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.7	ug/L	108	(50-150)		
MS_201303140161	Zinc Total ICAP/MS	ND	100	105	ug/L	105	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory QC
Report: 428139

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303150127	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	1.9
MSD2_201303150127	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	3.8
QC Ref# 698763 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/18/2013**			
LCS1	Arsenic Total ICAP/MS		20	19.3	ug/L	97	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	19.3	ug/L	97	(85-115)	20	0.0
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.995	ug/L	100	(50-150)		
MS_201303140478	Arsenic Total ICAP/MS		20	23.7	ug/L	118	(70-130)		
MSD_201303140478	Arsenic Total ICAP/MS		20	23.8	ug/L	119	(70-130)	20	0.42
LCS1	Chromium Total ICAP/MS		100	94.0	ug/L	94	(85-115)		
LCS2	Chromium Total ICAP/MS		100	93.4	ug/L	93	(85-115)	20	0.64
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.827	ug/L	83	(50-150)		
MS_201303140478	Chromium Total ICAP/MS	2.1	100	100	ug/L	98	(70-130)		
MSD_201303140478	Chromium Total ICAP/MS	2.1	100	101	ug/L	99	(70-130)	20	1
QC Ref# 698842 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/20/2013**			
LCS1	Silver Total ICAP/MS		50	49.3	ug/L	99	(85-115)		
LCS2	Silver Total ICAP/MS		50	48.4	ug/L	97	(85-115)	20	1.6
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.550	ug/L	110	(50-150)		
MS_201303140167	Silver Total ICAP/MS		50	43.2	ug/L	86	(70-130)		
MS2_201303120836	Silver Total ICAP/MS		50	44.0	ug/L	88	(70-130)		
MSD_201303140167	Silver Total ICAP/MS		50	47.1	ug/L	94	(70-130)	20	8.6
MSD2_201303120836	Silver Total ICAP/MS		50	44.9	ug/L	90	(70-130)	20	2.0

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Laboratory Report

for

Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549
Attention: Manuel Luna
Fax: 760-764-2157

Date of Issue
03/25/2013

EUROFINS EATON ANALYTICAL

DST: David S Tripp

Project Manager

NELAP ACCREDITED TNI LABORATORY
01114CA

Report: 428140
Project: CGR-OLANCHA
Group: General Mineral & Bromide

Laboratory certifies that the test results meet all **TNI NELAP** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Mississippi**	Certified
Alaska	CA00006	**Montana**	Cert 0035
Arizona	AZ0778	**Nevada**	CA00006-2012-1
Arkansas	Certified	**New Hampshire**	2959-11
California – NELAP	01114CA	**New Jersey**	CA 008
California – ELAP	1422	**New Mexico**	Certified
Colorado	Certified	**New York**	11320
Connecticut	PH-0107	**North Carolina**	06701
Delaware	CA 006	**North Dakota**	R-009
Florida	E871024	**Oregon**	CA 200003-010
Georgia	947	**Pennsylvania**	68-565
Guam	11-004r	**Rhode Island**	01114CA
Hawaii	Certified	**South Carolina**	87016001
Idaho	Certified	**South Dakota**	Certified
Illinois	200033	**Tennessee**	TN02839
Indiana	C-CA-01	**Texas**	T104704230-11-2
Kansas	E-10268	**Utah**	Mont-1
Kentucky	90107	**Vermont**	VT0114
Louisiana	LA110022	**Virginia**	00210
Maine	CA0006	**Washington**	C383
Maryland	224	**West Virginia**	9943 C
Commonwealth of Northern Marianas Is.	MP0004	**Wisconsin**	998316660
Massachusetts	M-CA006	**Wyoming**	8TMS-L
Michigan	9906	**EPA Region 5**	Certified

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Acknowledgement of Samples Received

Addr: **Crystal Geyser Roxane**
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822

Client ID: CRYSTAL-ROX
Folder #: 428140
Project: CGR-OLANCHA
Sample Group: General Mineral & Bromide

Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **March 13, 2013**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
201303140169	OW8U	03/12/2013 1130

@ANIONS28	@ANIONS48	@ICP
@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units
Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.
Carbonate as CO3, Calculated	Cation Sum - Calculated	Cation/Anion Difference
Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree
Langlier Index at 60 degrees C	Mercury	PH (H3=past HT not compliant)
pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance
Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP
Arsenic dissolved ICAP/MS	Bromide by 300.1	Freight - Outbound
Turbidity		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals

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CHAIN OF CUSTODY RECORD

428140

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Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: ____

SAMPLES CHECKED AGAINST COC BY: W

SAMPLES LOGGED IN BY: JS

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

SAMPLE TEMP RECEIVED AT:

☐ Colton / No. California / Arizona ____ °C (Compliance: 4 ± 2 °C)

☑ Monrovia 3-8 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen ____ Partially Frozen ✓ Thawed ____ Wet Ice ____ No Ice ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / (FedEx) / UPS / DHL / Area Fast / Top Line / Other: ____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:

PROJECT CODE:

COMPLIANCE SAMPLES ☐ (check for yes)
- Requires state forms ☐

NON-COMPLIANCE SAMPLES ☐ (check for yes)
REGULATION INVOLVED: ____

Type of samples (circle one): **ROUTINE SPECIAL CONFIRMATION** (eg. SDWA, Phase V, NPDES, FDA,...)

EEA CLIENT CODE: | **COC ID:** | **SAMPLE GROUP:**

SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), ***OR***

list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	see bottle order													SAMPLER COMMENTS
3/12/13	1130	OW8U		RGW			X													

* **MATRIX TYPES:** **RSW** = Raw Surface Water, **RGW** = Raw Ground Water, **CFW** = Chlor(am)inated Finished Water, **FW** = Other Finished Water, **SEAW** = Sea Water, **WW** = Waste Water, **BW** = Bottled Water, **SW** = Storm Water, **SO** = Soil, **SL** = Sludge, **O** = Other - Please Identify

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY:	Manuel L	Manuel L	CG Roxane	3/12/13	1205
RELINQUISHED BY:					
RECEIVED BY:	[signature]	CHRIS CABRERA	EEA	3-12-13	1108
RELINQUISHED BY:					
RECEIVED BY:					

PAGE ____ OF ____

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Kit Order for Crystal Geyser Roxane

David S Tripp is your Eurofins Eaton Analytical Project Manager

Note: Sampler Please return this paper with your samples

Kit #: 64038
Created By: DST
Order Date: 02/15/2013
Ship By: 02/05/2013
STG: Bottle Orders

Client ID: CRYSTAL-ROX
Project Code: CGR-OLANCHA Bottle Orders
Group Name: General Mineral & Bromide
PO#/JOB#:

Ship Sample Kits to
Crystal Geyser Roxane
1210 South Highway 395
Olancha, CA 93549

Attn: Manuel Luna - Shipping
Phone: 760-764-1822
Fax: 760-764-2861

Send Report to
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Manuel Luna
Phone: 760-764-1822
Fax: 760-764-2157

Billing Address
Crystal Geyser Roxane
P.O. Drawer A
Olancha, CA 93549

Attn: Barbie Button
Phone: 760-764-2885
Fax: 760-764-2026

# of Samples	Tests	Bottles - Qty for each sample, type & preservative if a	UN DOT #
7	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3=past HT not compliant), Specific Conductance, Arsenic dissolved ICAP/MS, Turbidity	1 125ml poly no preservative	
1	@ICP, @ICPMS, Mercury	1 250ml acid rinsed 1ml HNO3 (18%)	UN2031
6	@ICP, @ICPMS, Mercury	1 500ml acid poly 2ml HNO3 (18%)	UN2031
7	Bromide by 300.1	1 60mL poly 0.60mL 5% EDA sol'n	
7	Surfactants	1 500ml poly no preservative	
7	Total Dissolved Solid (TDS)	1 500ml poly TDS - no preservative	

Comments

SHIPPING: Please deliver by Friday 02/15 - 7 separate kits.

LOGIN: Please make note when logging in that As and Br are for the low-level versions (0.2 & 2.0 ug/L respectively). GMMST22 includes pH, sodium, and Turbidity is added.

Code	Status	Date Shipped	Via	Tracking #	# of Coolers	Prepared By

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Laboratory Hits
Report: 428140

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201303140169	**OW8U**				
03/18/2013 10:33	Agressiveness Index-Calculated		12		None	0.1
03/15/2013 15:05	Alkalinity in CaCO3 units		82		mg/L	2
03/14/2013 17:52	Aluminum Total ICAP/MS		66	200	ug/L	20
03/16/2013 18:30	Anion Sum - Calculated		2.0		meq/L	0.001
03/14/2013 17:52	Barium Total ICAP/MS		2.4	2000	ug/L	2
03/18/2013 10:33	Bicarb.Alkalinity as HCO3calc		99		mg/L	2
03/14/2013 14:14	Bromide by 300.1		11		ug/L	2
03/15/2013 23:38	Calcium Total ICAP		5.7		mg/L	1
03/18/2013 09:52	Cation Sum - Calculated		2.2		meq/L	0.001
03/13/2013 17:29	Chloride		1.9	250	mg/L	1
03/15/2013 19:26	Fluoride		0.58	4	mg/L	0.05
03/23/2013 06:25	Langelier Index - 25 degree		-0.27		None	
03/18/2013 10:33	Langelier Index at 60 degrees C		0.17		None	
03/15/2013 23:38	Magnesium Total ICAP		0.63		mg/L	0.1
03/15/2013 03:51	PH (H3=past HT not compliant)		8.4		Units	0.1
03/23/2013 06:25	pH of CaCO3 saturation(25C)		8.7		Units	0.1
03/18/2013 10:33	pH of CaCO3 saturation(60C)		8.2		Units	0.1
03/15/2013 23:38	Potassium Total ICAP		9.3		mg/L	1
03/15/2013 23:38	Sodium Total ICAP		37		mg/L	1
03/15/2013 03:51	Specific Conductance, 25 C		220		umho/cm	2
03/13/2013 17:29	Sulfate		16	250	mg/L	0.5
03/15/2013 12:50	Total Dissolved Solids (TDS)		170	500	mg/L	10
03/18/2013 09:52	Total Hardness as CaCO3 by ICP (calc)		17		mg/L	3
03/13/2013 14:39	Turbidity		0.27	5	NTU	0.05

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 428140

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
OW8U (201303140169)						**Sampled on 03/12/2013 1130**		
			EPA 200.8 - ICPMS Metals					
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Aluminum Total ICAP/MS	66	ug/L	20	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/19/2013	16:09 698752	(EPA 200.8)	Arsenic dissolved ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Arsenic Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Barium Total ICAP/MS	2.4	ug/L	2	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
3/14/2013	03/20/2013	13:07 698842	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
3/14/2013	03/14/2013	17:52 698012	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
			EPA 200.7 - ICP Metals					
3/14/2013	03/15/2013	23:38 698217	(EPA 200.7)	Calcium Total ICAP	5.7	mg/L	1	1
3/14/2013	03/15/2013	23:38 698217	(EPA 200.7)	Iron Total ICAP	ND	mg/L	0.02	1
3/14/2013	03/15/2013	23:38 698217	(EPA 200.7)	Magnesium Total ICAP	0.63	mg/L	0.1	1
3/14/2013	03/15/2013	23:38 698217	(EPA 200.7)	Potassium Total ICAP	9.3	mg/L	1	1
3/14/2013	03/15/2013	23:38 698217	(EPA 200.7)	Sodium Total ICAP	37	mg/L	1	1
			EPA 245.1 - Mercury Total					
3/14/2013	03/15/2013	17:34 698243	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
			SM2330B - Hydroxide as OH, Calculated					
	03/18/2013	10:33	(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM 2330B - pH of CaCO3 saturation(60C)					
	03/18/2013	10:33	(SM 2330B)	pH of CaCO3 saturation(60C)	8.2	Units	0.1	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
	03/18/2013	10:33	(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1
			SM 2330B - Langelier Index - 25 degree					
	03/23/2013	06:25	(SM 2330B)	Langelier Index - 25 degree	-0.27	None		1
			SM2330B - Carbonate as CO3, Calculated					
	03/23/2013	06:25	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428140

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
			SM 2340B - Total Hardness as CaCO3 by ICP					
	03/18/2013	09:52	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	17	mg/L	3	1
			SM 1030E - Anion Sum - Calculated					
	03/16/2013	18:30	(SM 1030E)	Anion Sum - Calculated	2.0	meq/L	0.001	1
			SM 1030E - Cation Sum - Calculated					
	03/18/2013	09:52	(SM 1030E)	Cation Sum - Calculated	2.2	meq/L	0.001	1
			SM 2330B - pH of CaCO3 saturation(25C)					
	03/23/2013	06:25	(SM 2330B)	pH of CaCO3 saturation(25C)	8.7	Units	0.1	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
	03/18/2013	10:33	(SM2330B)	Bicarb.Alkalinity as HCO3calc	99	mg/L	2	1
			SM 2330 - Agressiveness Index-Calculated					
	03/18/2013	10:33	(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
			SM 2330B - Langlier Index at 60 degrees C					
	03/18/2013	10:33	(SM 2330B)	Langelier Index at 60 degrees C	0.17	None		1
			SM 1030E - Cation/Anion Difference					
	03/19/2013	01:07	(SM 1030E)	Cation/Anion Difference	3.2	%		1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	03/13/2013	17:29 697933	(EPA 300.0)	Nitrate as Nitrogen by IC	ND	mg/L	0.1	1
	03/13/2013	17:29 697933	(EPA 300.0)	Nitrate as NO3 (calc)	ND	mg/L	0.44	1
	03/13/2013	17:29 697933	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	03/13/2013	17:29 697933	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	ND	mg/L	0.1	1
			EPA 300.1 - Disinfection ByProducts by 300.1					
	03/14/2013	14:14 698017	(EPA 300.1)	Bromide by 300.1	11	ug/L	2	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	03/13/2013	17:29 697938	(EPA 300.0)	Chloride	1.9	mg/L	1	1
	03/13/2013	17:29 697938	(EPA 300.0)	Sulfate	16	mg/L	0.5	1
			SM 4500F-C - Fluoride					
	03/15/2013	19:26 698091	(SM 4500F-C)	Fluoride	0.58	mg/L	0.05	1
			SM 2320B - Alkalinity in CaCO3 units					
	03/15/2013	15:05 697983	(SM 2320B)	Alkalinity in CaCO3 units	82	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
3/14/2013	03/15/2013	12:50 697952	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	170	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	03/15/2013	03:51 697988	(SM4500-HB)	PH (H3=past HT not compliant)	8.4	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	03/14/2013	08:12 698413	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			EPA 180.1 - Turbidity					

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 428140

Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

Samples Received on:
03/13/2013

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	03/13/2013 14:39	697855	(EPA 180.1)	Turbidity	0.27	NTU	0.05	1
	SM2510B - Specific Conductance							
	03/15/2013 03:51	697989	(SM2510B)	Specific Conductance, 25 C	220	umho/cm	2	1

Rounding on totals after summation.
(c) - indicates calculated results

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Crystal Geyser Roxane
Manuel Luna
P.O. Drawer A
Olancha, CA 93549

The Comments Report may be blank if there are no comments for this report.

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Crystal Geyser Roxane

QC Ref # 697855 - Turbidity — **Analysis Date: 03/13/2013**
201303140169 OW8U — Analyzed by: ADV

QC Ref # 697933 - Nitrate, Nitrite by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140169 OW8U — Analyzed by: CYP

QC Ref # 697938 - Chloride, Sulfate by EPA 300.0 — **Analysis Date: 03/13/2013**
201303140169 OW8U — Analyzed by: CYP

QC Ref # 697952 - Total Dissolved Solids (TDS) — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: JRF

QC Ref # 697983 - Alkalinity in CaCO3 units — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: JMO

QC Ref # 697988 - PH (H3=past HT not compliant) — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: JMO

QC Ref # 697989 - Specific Conductance — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: JMO

QC Ref # 698012 - ICPMS Metals — **Analysis Date: 03/14/2013**
201303140169 OW8U — Analyzed by: SXK

QC Ref # 698017 - Disinfection ByProducts by 300.1 — **Analysis Date: 03/14/2013**
201303140169 OW8U — Analyzed by: TLH

QC Ref # 698091 - Fluoride — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: MXT

QC Ref # 698217 - ICP Metals — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: NINA

QC Ref # 698243 - Mercury Total — **Analysis Date: 03/15/2013**
201303140169 OW8U — Analyzed by: MXT

QC Ref # 698413 - Surfactants — **Analysis Date: 03/14/2013**
201303140169 OW8U — Analyzed by: LLL

QC Ref # 698752 - ICPMS Metals — **Analysis Date: 03/19/2013**
201303140169 OW8U — Analyzed by: SXK

QC Ref # 698842 - ICPMS Metals — **Analysis Date: 03/20/2013**
201303140169 OW8U — Analyzed by: SXK

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 697855 - Turbidity by EPA 180.1						**Analysis Date: 03/13/2013**			
DUP1_201303120620	Turbidity	0.074		0.0730	NTU		(0-20)		
DUP2_201303120804	Turbidity	0.11		0.108	NTU		(0-20)	20	0.0
LCS1	Turbidity		20	19.9	NTU	100	(90-110)		
LCS2	Turbidity		20	19.9	NTU	100	(90-110)	20	0.0
MBLK	Turbidity			<0.05	NTU				
MRL_CHK	Turbidity		0.05	0.0650	NTU	130	(50-150)		
QC Ref# 697933 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Nitrate as Nitrogen by IC		2.5	2.53	mg/L	101	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.54	mg/L	102	(90-110)	20	0.39
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0503	mg/L	101	(50-150)		
MRLLW	Nitrate as Nitrogen by IC		0.013	0.0142	mg/L	114	(50-150)		
MS_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)		
MS_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)		
MSD_201303140168	Nitrate as Nitrogen by IC	ND	1.3	1.30	mg/L	104	(80-120)	20	0.0
MSD_201303140077	Nitrate as Nitrogen by IC	ND	1.3	1.37	mg/L	104	(80-120)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.990	mg/L	99	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.985	mg/L	99	(90-110)	20	0.51
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0538	mg/L	108	(50-150)		
MRLLW	Nitrite Nitrogen by IC		0.013	0.0120	mg/L	96	(50-150)		
MS_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.510	mg/L	102	(80-120)		
MS_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.515	mg/L	103	(80-120)		
MSD_201303140168	Nitrite Nitrogen by IC	ND	0.5	0.511	mg/L	102	(80-120)	20	0.20
MSD_201303140077	Nitrite Nitrogen by IC	ND	0.5	0.516	mg/L	103	(80-120)	20	0.19
QC Ref# 697938 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						**Analysis Date: 03/13/2013**			
LCS1	Chloride		25	26.3	mg/L	105	(90-110)		
LCS2	Chloride		25	26.5	mg/L	106	(90-110)	20	0.76
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.439	mg/L	88	(50-150)		
MS_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)		
MS_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)		
MSD_201303140077	Chloride	ND	13	14.0	mg/L	107	(80-120)	20	0.0
MSD_201303140168	Chloride	1.5	13	15.1	mg/L	109	(80-120)	20	0.0
LCS1	Sulfate		50	51.4	mg/L	103	(90-110)		
LCS2	Sulfate		50	51.6	mg/L	103	(90-110)	20	0.39

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Sulfate			<0.25	mg/L				
MRL_CHK	Sulfate		1.0	0.971	mg/L	97	(50-150)		
MRLLW	Sulfate		0.25	0.256	mg/L	102	(50-150)		
MS_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)		
MS_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)		
MSD_201303140168	Sulfate	10	25	37.2	mg/L	107	(80-120)	20	0.0
MSD_201303140077	Sulfate	0.87	25	27.2	mg/L	105	(80-120)	20	0.0
QC Ref# 697952 - Total Dissolved Solids (TDS) by E160.1/SM2540C						**Analysis Date: 03/15/2013**			
DUP_201303130385	Total Dissolved Solid (TDS)	470		472	mg/L		(0-20)	20	0.43
DUP_201303140163	Total Dissolved Solid (TDS)	180		176	mg/L		(0-20)	20	1.1
LCS1	Total Dissolved Solid (TDS)		175	178	mg/L	102	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	696	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	12.0	mg/L	120	(50-150)		
QC Ref# 697983 - Alkalinity in CaCO3 units by SM 2320B						**Analysis Date: 03/15/2013**			
LCS1	Alkalinity in CaCO3 units		100	97.3	mg/L	97	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	93.0	mg/L	93	(90-110)	20	4.5
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	1.99	mg/L	100	(50-150)		
MS_201303120219	Alkalinity in CaCO3 units	57	100	152	mg/L	96	(80-120)		
MS_201303120220	Alkalinity in CaCO3 units	60	100	156	mg/L	96	(80-120)		
MSD_201303120219	Alkalinity in CaCO3 units	57	100	151	mg/L	94	(80-120)	20	1.3
MSD_201303120220	Alkalinity in CaCO3 units	60	100	150	mg/L	90	(80-120)	20	3.9
QC Ref# 697988 - PH (H3=past HT not compliant) by SM4500-HB						**Analysis Date: 03/14/2013**			
DUP_201303120549	PH (H3=past HT not compliant)	8.1		7.93	Units		(0-20)	20	2.0
DUP2_201303130385	PH (H3=past HT not compliant)	8.0		8.03	Units		(0-20)	20	0.12
LCS3	PH (H3=past HT not compliant)		8.0	8.01	Units	100	(99-101)		
LCS4	PH (H3=past HT not compliant)		8.0	8.00	Units	100	(99-101)	20	0.13
QC Ref# 697989 - Specific Conductance by SM2510B						**Analysis Date: 03/14/2013**			
DUP2_201303130385	Specific Conductance			113000	umho/cm		(0-20)	20	**200**
LCS1	Specific Conductance		1000	993	umho/cm	99	(95-105)		
LCS2	Specific Conductance		1000	995	umho/cm	100	(95-105)	20	0.20
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	2.20	umho/cm	110	(50-150)		
QC Ref# 698012 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/14/2013**			
LCS1	Aluminum Total ICAP/MS		200	199	ug/L	100	(85-115)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Aluminum Total ICAP/MS		200	198	ug/L	99	(85-115)	20	0.50
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	20.4	ug/L	102	(50-150)		
MS_201303150303	Aluminum Total ICAP/MS	ND	200	187	ug/L	93	(70-130)		
MS2_201303140168	Aluminum Total ICAP/MS	21	200	204	ug/L	91	(70-130)		
MSD_201303150303	Aluminum Total ICAP/MS	ND	200	188	ug/L	94	(70-130)	20	0.53
MSD2_201303140168	Aluminum Total ICAP/MS	21	200	214	ug/L	97	(70-130)	20	5.3
LCS1	Antimony Total ICAP/MS		50	51.8	ug/L	103	(85-115)		
LCS2	Antimony Total ICAP/MS		50	51.9	ug/L	104	(85-115)	20	0.19
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.02	ug/L	102	(50-150)		
MS_201303150303	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)		
MS2_201303140168	Antimony Total ICAP/MS	ND	50	49.1	ug/L	98	(70-130)		
MSD_201303150303	Antimony Total ICAP/MS	ND	50	50.3	ug/L	100	(70-130)	20	0.80
MSD2_201303140168	Antimony Total ICAP/MS	ND	50	49.9	ug/L	100	(70-130)	20	1.6
LCS1	Arsenic Total ICAP/MS		20	20.9	ug/L	104	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.7	ug/L	104	(85-115)	20	0.96
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.863	ug/L	86	(50-150)		
MS_201303150303	Arsenic Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)		
MS2_201303140168	Arsenic Total ICAP/MS		20	41.6	ug/L	99	(70-130)		
MSD_201303150303	Arsenic Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Arsenic Total ICAP/MS		20	41.7	ug/L	100	(70-130)	20	0.24
LCS1	Barium Total ICAP/MS		100	104	ug/L	103	(85-115)		
LCS2	Barium Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.09	ug/L	105	(50-150)		
MS_201303150303	Barium Total ICAP/MS	ND	100	99.1	ug/L	99	(70-130)		
MS2_201303140168	Barium Total ICAP/MS	ND	100	100	ug/L	99	(70-130)		
MSD_201303150303	Barium Total ICAP/MS	ND	100	99.7	ug/L	100	(70-130)	20	0.60
MSD2_201303140168	Barium Total ICAP/MS	ND	100	102	ug/L	100	(70-130)	20	2.0
LCS1	Beryllium Total ICAP/MS		5.0	5.11	ug/L	102	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.05	ug/L	101	(85-115)	20	1.2
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	0.968	ug/L	97	(50-150)		
MS_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.86	ug/L	97	(70-130)		
MS2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.19	ug/L	104	(70-130)		
MSD_201303150303	Beryllium Total ICAP/MS	ND	5.0	4.88	ug/L	98	(70-130)	20	0.41

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140168	Beryllium Total ICAP/MS	ND	5.0	5.27	ug/L	105	(70-130)	20	1.5
LCS1	Cadmium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	20.9	ug/L	105	(85-115)	20	1.5
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.574	ug/L	115	(50-150)		
MS_201303150303	Cadmium Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303140168	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	98	(70-130)		
MSD_201303150303	Cadmium Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)	20	1.0
MSD2_201303140168	Cadmium Total ICAP/MS	ND	20	20.0	ug/L	100	(70-130)	20	2.0
LCS1	Chromium Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Chromium Total ICAP/MS		100	104	ug/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303150303	Chromium Total ICAP/MS	ND	100	97.6	ug/L	98	(70-130)		
MS2_201303140168	Chromium Total ICAP/MS	ND	100	95.1	ug/L	95	(70-130)		
MSD_201303150303	Chromium Total ICAP/MS	ND	100	97.5	ug/L	98	(70-130)	20	0.10
MSD2_201303140168	Chromium Total ICAP/MS	ND	100	96.9	ug/L	97	(70-130)	20	1.9
LCS1	Copper Total ICAP/MS		100	104	ug/L	104	(85-115)		
LCS2	Copper Total ICAP/MS		100	103	ug/L	103	(85-115)	20	0.97
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.08	ug/L	104	(50-150)		
MS_201303150303	Copper Total ICAP/MS	ND	100	95.2	ug/L	95	(70-130)		
MS2_201303140168	Copper Total ICAP/MS	ND	100	96.4	ug/L	96	(70-130)		
MSD_201303150303	Copper Total ICAP/MS	ND	100	94.9	ug/L	95	(70-130)	20	0.32
MSD2_201303140168	Copper Total ICAP/MS	ND	100	97.0	ug/L	97	(70-130)	20	0.62
LCS1	Lead Total ICAP/MS		20	20.1	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.2	ug/L	101	(85-115)	20	0.50
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.482	ug/L	96	(50-150)		
MS_201303150303	Lead Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MS2_201303140168	Lead Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	0.51
MSD2_201303140168	Lead Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	2.1
LCS1	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)		
LCS2	Manganese Total ICAP/MS		50	50.0	ug/L	100	(85-115)	20	0.20
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	1.97	ug/L	99	(50-150)		
MS_201303150303	Manganese Total ICAP/MS	ND	50	46.8	ug/L	94	(70-130)		

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303140168	Manganese Total ICAP/MS	ND	50	48.0	ug/L	93	(70-130)		
MSD_201303150303	Manganese Total ICAP/MS	ND	50	47.0	ug/L	94	(70-130)	20	0.43
MSD2_201303140168	Manganese Total ICAP/MS	ND	50	48.7	ug/L	94	(70-130)	20	1.2
LCS1	Nickel Total ICAP/MS		50	51.4	ug/L	103	(85-115)		
LCS2	Nickel Total ICAP/MS		50	51.7	ug/L	103	(85-115)	20	0.58
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.40	ug/L	108	(50-150)		
MS_201303150303	Nickel Total ICAP/MS	ND	50	47.6	ug/L	95	(70-130)		
MS2_201303140168	Nickel Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)		
MSD_201303150303	Nickel Total ICAP/MS	ND	50	47.9	ug/L	96	(70-130)	20	0.63
MSD2_201303140168	Nickel Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)	20	1.3
LCS1	Selenium Total ICAP/MS		20	21.1	ug/L	106	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.4	ug/L	107	(85-115)	20	1.4
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.00	ug/L	100	(50-150)		
MS_201303150303	Selenium Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)		
MS2_201303140168	Selenium Total ICAP/MS	ND	20	19.5	ug/L	98	(70-130)		
MSD_201303150303	Selenium Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)	20	4.4
MSD2_201303140168	Selenium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	6.5
LCS1	Thallium Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.3	ug/L	101	(85-115)	20	0.49
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	0.996	ug/L	100	(50-150)		
MS_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)		
MS2_201303140168	Thallium Total ICAP/MS	ND	20	19.2	ug/L	96	(70-130)		
MSD_201303150303	Thallium Total ICAP/MS	ND	20	19.4	ug/L	97	(70-130)	20	0.51
MSD2_201303140168	Thallium Total ICAP/MS	ND	20	19.4	ug/L	96	(70-130)	20	1.0
LCS1	Zinc Total ICAP/MS		100	103	ug/L	103	(85-115)		
LCS2	Zinc Total ICAP/MS		100	102	ug/L	102	(85-115)	20	0.98
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.0	ug/L	105	(50-150)		
MS_201303150303	Zinc Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303140168	Zinc Total ICAP/MS	ND	100	98.5	ug/L	98	(70-130)		
MSD_201303150303	Zinc Total ICAP/MS	ND	100	100	ug/L	100	(70-130)	20	1
MSD2_201303140168	Zinc Total ICAP/MS	ND	100	99.5	ug/L	99	(70-130)	20	1.0
QC Ref# 698017 - Disinfection ByProducts by 300.1 by EPA 300.1							**Analysis Date: 03/14/2013**		
LCS1	Bromide by 300.1		10	9.98	ug/L	100	(90-110)		
LCS2	Bromide by 300.1		10	10.6	ug/L	106	(90-110)	20	6.0

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
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Laboratory QC
Report: 428140

Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Bromide by 300.1			<1	ug/L				
MRLLW	Bromide by 300.1		2.0	2.26	ug/L	113	(50-150)		
MS_201303140167	Bromide by 300.1	30	10	40.0	ug/L	98	(85-115)		
MSD_201303140167	Bromide by 300.1	30	10	40.2	ug/L	100	(85-115)	20	0.50
QC Ref# 698091 - Fluoride by SM 4500F-C						**Analysis Date: 03/15/2013**			
LCS1	Fluoride		1.0	1.06	mg/L	106	(81-116)		
LCS2	Fluoride		1.0	1.06	mg/L	106	(81-116)	20	0.0
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0506	mg/L	101	(50-150)		
MS_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)		
MS2_201303140169	Fluoride	0.58	1.0	1.59	mg/L	101	(73-124)		
MSD_201303010436	Fluoride	ND	1.0	1.08	mg/L	105	(73-124)	20	0.0
MSD2_201303140169	Fluoride	0.58	1.0	1.62	mg/L	104	(73-124)	20	1.9
QC Ref# 698217 - ICP Metals by EPA 200.7						**Analysis Date: 03/15/2013**			
LCS1	Calcium Total ICAP		50	45.2	mg/L	91	(85-115)		
LCS2	Calcium Total ICAP		50	45.8	mg/L	92	(85-115)	20	1.3
MBLK	Calcium Total ICAP			<0.5	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	0.918	mg/L	92	(50-150)		
MS_201303140163	Calcium Total ICAP	37	50	82.4	mg/L	92	(70-130)		
MS2_201303140437	Calcium Total ICAP	9.1	50	54.2	mg/L	90	(70-130)		
MSD_201303140163	Calcium Total ICAP	37	50	82.8	mg/L	92	(70-130)	20	0.48
MSD2_201303140437	Calcium Total ICAP	9.1	50	55.6	mg/L	93	(70-130)	20	2.5
LCS1	Iron Total ICAP		5.0	4.81	mg/L	96	(85-115)		
LCS2	Iron Total ICAP		5.0	4.80	mg/L	96	(85-115)	20	0.0
MBLK	Iron Total ICAP			<0.01	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0189	mg/L	94	(50-150)		
MS_201303140163	Iron Total ICAP	ND	5.0	4.87	mg/L	97	(70-130)		
MS2_201303140437	Iron Total ICAP	0.093	5.0	4.89	mg/L	96	(70-130)		
MSD_201303140163	Iron Total ICAP	ND	5.0	4.89	mg/L	98	(70-130)	20	0.41
MSD2_201303140437	Iron Total ICAP	0.093	5.0	4.91	mg/L	96	(70-130)	20	0.41
LCS1	Magnesium Total ICAP		20	20.3	mg/L	101	(85-115)		
LCS2	Magnesium Total ICAP		20	20.1	mg/L	101	(85-115)	20	0.99
MBLK	Magnesium Total ICAP			<0.05	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.101	mg/L	101	(50-150)		
MS_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)		
MS2_201303140437	Magnesium Total ICAP	5.8	20	26.0	mg/L	101	(70-130)		
MSD_201303140163	Magnesium Total ICAP	4.8	20	25.2	mg/L	102	(70-130)	20	0.40

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303140437	Magnesium Total ICAP	5.8	20	26.3	mg/L	102	(70-130)	20	1.1
LCS1	Potassium Total ICAP		20	19.8	mg/L	99	(85-115)		
LCS2	Potassium Total ICAP		20	19.2	mg/L	96	(85-115)	20	3.1
MBLK	Potassium Total ICAP			<0.5	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.967	mg/L	97	(50-150)		
MS_201303140163	Potassium Total ICAP	1.0	20	21.1	mg/L	100	(70-130)		
MS2_201303140437	Potassium Total ICAP	1.6	20	20.6	mg/L	95	(70-130)		
MSD_201303140163	Potassium Total ICAP	1.0	20	20.8	mg/L	99	(70-130)	20	1.4
MSD2_201303140437	Potassium Total ICAP	1.6	20	21.0	mg/L	97	(70-130)	20	1.9
LCS1	Sodium Total ICAP		50	50.9	mg/L	102	(85-115)		
LCS2	Sodium Total ICAP		50	50.1	mg/L	100	(85-115)	20	1.6
MBLK	Sodium Total ICAP			<0.5	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	1.00	mg/L	100	(50-150)		
MS_201303140163	Sodium Total ICAP	15	50	66.2	mg/L	102	(70-130)		
MS2_201303140437	Sodium Total ICAP	7.6	50	57.8	mg/L	100	(70-130)		
MSD_201303140163	Sodium Total ICAP	15	50	65.4	mg/L	100	(70-130)	20	1.2
MSD2_201303140437	Sodium Total ICAP	7.6	50	59.4	mg/L	104	(70-130)	20	2.7
QC Ref# 698243 - Mercury Total by EPA 245.1						**Analysis Date: 03/15/2013**			
LCS1	Mercury		1.5	1.42	ug/L	95	(85-115)		
LCS2	Mercury		1.5	1.44	ug/L	96	(85-115)	20	1.4
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.191	ug/L	96	(50-150)		
MS_201303130095	Mercury	ND	1.5	1.57	ug/L	105	(70-130)		
MS_201303140169	Mercury	ND	1.5	1.51	ug/L	100	(70-130)		
MSD_201303130095	Mercury	ND	1.5	1.54	ug/L	103	(70-130)	20	1.9
MSD_201303140169	Mercury	ND	1.5	1.43	ug/L	96	(70-130)	20	5.4
QC Ref# 698413 - Surfactants by SM 5540C/EPA 425.1						**Analysis Date: 03/14/2013**			
LCS1	Surfactants		0.2	0.193	mg/L	97	(90-110)		
LCS2	Surfactants		0.2	0.186	mg/L	93	(90-110)	20	3.7
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0297	mg/L	59	(50-150)		
MS_201303110107	Surfactants	ND	0.2	0.169	mg/L	84	(80-120)		
MSD_201303110107	Surfactants	ND	0.2	0.165	mg/L	83	(80-120)	20	2.4
QC Ref# 698752 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/19/2013**			
LCS1	Aluminum Total ICAP/MS		200	211	ug/L	105	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	206	ug/L	103	(85-115)	20	2.4
MBLK	Aluminum Total ICAP/MS			<20	ug/L				

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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Aluminum Total ICAP/MS		20	21.3	ug/L	106	(50-150)		
MS_201303140161	Aluminum Total ICAP/MS	ND	200	195	ug/L	97	(70-130)		
MS2_201303150127	Aluminum Total ICAP/MS	ND	200	199	ug/L	99	(70-130)		
MSD_201303140161	Aluminum Total ICAP/MS	ND	200	191	ug/L	96	(70-130)	20	2.1
MSD2_201303150127	Aluminum Total ICAP/MS	ND	200	193	ug/L	96	(70-130)	20	3.1
LCS1	Antimony Total ICAP/MS		50	55.5	ug/L	111	(85-115)		
LCS2	Antimony Total ICAP/MS		50	55.1	ug/L	110	(85-115)	20	0.72
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.14	ug/L	114	(50-150)		
MS_201303140161	Antimony Total ICAP/MS	ND	50	52.9	ug/L	105	(70-130)		
MS2_201303150127	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)		
MSD_201303140161	Antimony Total ICAP/MS	ND	50	52.7	ug/L	105	(70-130)	20	0.38
MSD2_201303150127	Antimony Total ICAP/MS	ND	50	52.2	ug/L	104	(70-130)	20	0.95
LCS1	Arsenic dissolved ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic dissolved ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic dissolved ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic dissolved ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic dissolved ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic dissolved ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Arsenic Total ICAP/MS		20	21.5	ug/L	107	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.2	ug/L	106	(85-115)	20	1.4
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	0.929	ug/L	93	(50-150)		
MS_201303140161	Arsenic Total ICAP/MS	ND	20	19.9	ug/L	100	(70-130)		
MS2_201303150127	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201303140161	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	0.50
MSD2_201303150127	Arsenic Total ICAP/MS	ND	20	19.8	ug/L	99	(70-130)	20	2.5
LCS1	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)		
LCS2	Barium Total ICAP/MS		100	111	ug/L	111	(85-115)	20	0.0
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.24	ug/L	112	(50-150)		
MS_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)		
MS2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Barium Total ICAP/MS		100	106	ug/L	106	(70-130)	20	0.0
MSD2_201303150127	Barium Total ICAP/MS	ND	100	107	ug/L	106	(70-130)	20	0.0
LCS1	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)		

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Beryllium Total ICAP/MS		5.0	5.34	ug/L	107	(85-115)	20	0.0
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.05	ug/L	105	(50-150)		
MS_201303140161	Beryllium Total ICAP/MS	ND	5.0	5.00	ug/L	100	(70-130)		
MS2_201303150127	Beryllium Total ICAP/MS	ND	5.0	5.22	ug/L	104	(70-130)		
MSD_201303140161	Beryllium Total ICAP/MS	ND	5.0	4.99	ug/L	100	(70-130)	20	0.20
MSD2_201303150127	Beryllium Total ICAP/MS	ND	5.0	4.90	ug/L	98	(70-130)	20	6.3
LCS1	Cadmium Total ICAP/MS		20	21.9	ug/L	110	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	22.2	ug/L	111	(85-115)	20	1.4
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.529	ug/L	106	(50-150)		
MS_201303140161	Cadmium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)		
MS2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Cadmium Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	0.96
MSD2_201303150127	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	105	(70-130)	20	0.0
LCS1	Chromium Total ICAP/MS		100	109	ug/L	109	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	1.9
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.20	ug/L	120	(50-150)		
MS_201303140161	Chromium Total ICAP/MS	ND	100	101	ug/L	101	(70-130)		
MS2_201303150127	Chromium Total ICAP/MS	ND	100	103	ug/L	103	(70-130)		
MSD_201303140161	Chromium Total ICAP/MS	ND	100	99.4	ug/L	99	(70-130)	20	1.6
MSD2_201303150127	Chromium Total ICAP/MS	ND	100	99.9	ug/L	100	(70-130)	20	3.1
LCS1	Copper Total ICAP/MS		100	110	ug/L	110	(85-115)		
LCS2	Copper Total ICAP/MS		100	108	ug/L	108	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.25	ug/L	113	(50-150)		
MS_201303140161	Copper Total ICAP/MS	ND	100	99.2	ug/L	99	(70-130)		
MS2_201303150127	Copper Total ICAP/MS	ND	100	104	ug/L	104	(70-130)		
MSD_201303140161	Copper Total ICAP/MS	ND	100	96.8	ug/L	97	(70-130)	20	2.5
MSD2_201303150127	Copper Total ICAP/MS	ND	100	102	ug/L	102	(70-130)	20	2.9
LCS1	Lead Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Lead Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.91
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.559	ug/L	112	(50-150)		
MS_201303140161	Lead Total ICAP/MS	ND	20	20.7	ug/L	103	(70-130)		
MS2_201303150127	Lead Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Lead Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)	20	0.48

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201303150127	Lead Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)	20	2.4
LCS1	Manganese Total ICAP/MS		50	53.5	ug/L	107	(85-115)		
LCS2	Manganese Total ICAP/MS		50	52.5	ug/L	105	(85-115)	20	1.9
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.16	ug/L	108	(50-150)		
MS_201303140161	Manganese Total ICAP/MS	ND	50	49.7	ug/L	99	(70-130)		
MS2_201303150127	Manganese Total ICAP/MS	ND	50	50.3	ug/L	101	(70-130)		
MSD_201303140161	Manganese Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	1.6
MSD2_201303150127	Manganese Total ICAP/MS	ND	50	49.0	ug/L	98	(70-130)	20	2.6
LCS1	Nickel Total ICAP/MS		50	54.2	ug/L	108	(85-115)		
LCS2	Nickel Total ICAP/MS		50	53.3	ug/L	107	(85-115)	20	1.7
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.23	ug/L	105	(50-150)		
MS_201303140161	Nickel Total ICAP/MS	ND	50	50.0	ug/L	100	(70-130)		
MS2_201303150127	Nickel Total ICAP/MS	ND	50	51.4	ug/L	103	(70-130)		
MSD_201303140161	Nickel Total ICAP/MS	ND	50	48.9	ug/L	98	(70-130)	20	2.2
MSD2_201303150127	Nickel Total ICAP/MS	ND	50	49.8	ug/L	99	(70-130)	20	3.2
LCS1	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)		
LCS2	Selenium Total ICAP/MS		20	22.0	ug/L	110	(85-115)	20	0.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.39	ug/L	108	(50-150)		
MS_201303140161	Selenium Total ICAP/MS	ND	20	20.9	ug/L	104	(70-130)		
MS2_201303150127	Selenium Total ICAP/MS	ND	20	21.4	ug/L	107	(70-130)		
MSD_201303140161	Selenium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Selenium Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)	20	4.8
LCS1	Thallium Total ICAP/MS		20	22.2	ug/L	111	(85-115)		
LCS2	Thallium Total ICAP/MS		20	22.1	ug/L	111	(85-115)	20	0.45
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_201303140161	Thallium Total ICAP/MS	ND	20	20.9	ug/L	105	(70-130)		
MS2_201303150127	Thallium Total ICAP/MS	ND	20	21.1	ug/L	106	(70-130)		
MSD_201303140161	Thallium Total ICAP/MS	ND	20	20.5	ug/L	102	(70-130)	20	1.9
MSD2_201303150127	Thallium Total ICAP/MS	ND	20	20.5	ug/L	103	(70-130)	20	2.9
LCS1	Zinc Total ICAP/MS		100	108	ug/L	109	(85-115)		
LCS2	Zinc Total ICAP/MS		100	106	ug/L	106	(85-115)	20	2.8
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	21.7	ug/L	108	(50-150)		
MS_201303140161	Zinc Total ICAP/MS	ND	100	105	ug/L	105	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Crystal Geyser Roxane

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_201303150127	Zinc Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201303140161	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	1.9
MSD2_201303150127	Zinc Total ICAP/MS	ND	100	103	ug/L	103	(70-130)	20	3.8
QC Ref# 698842 - ICPMS Metals by EPA 200.8						**Analysis Date: 03/20/2013**			
LCS1	Silver Total ICAP/MS		50	49.3	ug/L	99	(85-115)		
LCS2	Silver Total ICAP/MS		50	48.4	ug/L	97	(85-115)	20	1.6
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.550	ug/L	110	(50-150)		
MS_201303140167	Silver Total ICAP/MS	ND	50	43.2	ug/L	86	(70-130)		
MS2_201303120836	Silver Total ICAP/MS	ND	50	44.0	ug/L	88	(70-130)		
MSD_201303140167	Silver Total ICAP/MS	ND	50	47.1	ug/L	94	(70-130)	20	8.6
MSD2_201303120836	Silver Total ICAP/MS	ND	50	44.9	ug/L	90	(70-130)	20	2.0

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.