



Date of Report: 06/01/2011

Paul Mason

Adobe Springs

P.O. Box 1417

Patterson, CA 95363

Project: Title 21 Source

BC Work Order: 1106891

Invoice ID: B101387

Enclosed are the results of analyses for samples received by the laboratory on 5/3/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014



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Chain of Custody Form



Report To: Adobe Springs
 Client: Paul Mason
 Attn: P.O. Box 147
 Street Address: P.O. Box 147
 City, State, Zip: Red Bluff, GA 953103
 Phone: 408-899-3022 Fax:
 Email Address:
 Work Order #: 1106891

Project #: Title 21 Source
 Project Name: Source Testing
 Global ID #:
 Sampler(s): Mark Ellis

Sample #	Description	Date Sampled	Time Sampled
-1	Adobe Springs	5/3/11	1145

Analysis Requested
 Comments: Please be certain to report Ca, Mg, K, Na

Sample Matrix
 Soil
 Sludge
 Drinking Water
 Ground Water
 Waste Water
 Other

Turnaround # of work days: 10

Are there any tests with holding times less than one equal to 48 hours?
 Yes No

* Standard Turnaround - 10 work days

Notes

leave refer to the back of this page for completion instructions and method legend.

Analysis Requested	Date	Time
DO	5/3/11	1210
Cl ₂	5/3/11	1500
BOC	5/3/11	1500
MBAS	5/3/11	1500
COT	5/3/11	1500
Cr ₆	5/3/11	1500
NO ₃	5/3/11	1500
NO ₂	5/3/11	1500
OP	5/3/11	1500
SS	5/3/11	1500

CHECK BY: [Signature]
 DISTRIBUTION: [Signature]
 SUB-OUT: [Signature]

EDF Required? Yes No

Send Copy to State of CA? (EDT) Yes No

Global ID (Needed for EDF)

Relinquished By: [Signature] Date: 5/3/11 Time: 1210

Relinquished By: [Signature] Date: 5/3/11 Time: 1500

Relinquished By: [Signature] Date: 5/3/11 Time: 1500

System # (Needed for EDT)

Received By: [Signature] Date: 5/3/11 Time: 1210

Received By: [Signature] Date: 5/3/11 Time: 1500

Received By: [Signature] Date: 5/3/11 Time: 1500



SAMPLE RECEIPT FORM Rev. No. 12 05/24/08 Page 1 of 2

BC LABORATORIES INC.

Submission #: 1106891

SHIPPING INFORMATION
 Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER
 Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received YES NO

Emissivity: 0.95 Container: QTP Thermometer ID: 1103 Date/Time: 5-3-11
 Temperature: A 2.2 °C / C 2.2 °C Analyst Init: MM 2130

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	BCD									
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS	EF	JOW								
PT INORGANIC CHEMICAL METALS	G	5-3-11								
PT CYANIDE	H									
PT NITROGEN FORMS	I									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PT PHENOLICS	Q+A									
40ml VOA VIAL TRAVEL BLANK										
30ml VOA VIAL	AB									
QT EPA 313.1, 413.1, 418.1										
PT ODOR										
RADIOLOGICAL	M									
BACTERIOLOGICAL										
40 ml VOA VIAL 501	N3									
QT EPA 508/509/510	O									
QT EPA 515.1/8150	Q									
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548	T									
QT EPA 549										
QT EPA 801	V									
QT EPA 801SM										
QT AMBER	WXY									
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: JOW Date/Time: 5-3-11 2318
 A = Actual / C = Corrected



BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 2 of 2

Submission #: 1106891

SHIPPING INFORMATION
 Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER
 Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received YES NO
 Emissivity: 0.95 Container: QTP5 Thermometer ID: 1163 Date/Time 5-3-11
 Temperature: A 2.3 °C / C 2.3 °C Analyst Init MM 2130

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS	EF									
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
20L NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
10ml VOA VIAL TRAVEL BLANK										
10ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR	L									
RADIOLOGICAL										
BACTERIOLOGICAL										
10 ml VOA VIAL 504										
QT EPA 508/608/808D										
QT EPA 515.1/HT30	P									
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547	R									
100ml EPA 551.1	S									
QT EPA 548										
QT EPA 549	U									
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
11 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: JDW Date/Time: 5-3-11 2318
 A = Actual / C = Corrected



Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1106891-01	COC Number:	---	Receive Date:	05/03/2011 21:30
	Project Number:	---	Sampling Date:	05/03/2011 11:45
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Adobe Springs	Lab Matrix:	Water
	Sampled By:	---	Sample Type:	Drinking Water



Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1106891-01	Client Sample Name: Adobe Springs, 5/3/2011 11:45:00AM
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Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Inorganics									
Chloride	EPA-300.0	4.7	mg/L	1	0.50	250	05/03/11	05/04/11 08:53	
Fluoride	EPA-300.0	ND	mg/L	1	0.050	2.0	05/03/11	05/04/11 08:53	
Nitrate as N	EPA-300.0	0.70	mg/L	1	0.10	10	05/03/11	05/04/11 08:53	
Sulfate	EPA-300.0	23	mg/L	1	1.0	250	05/03/11	05/04/11 08:53	
Nitrate + Nitrite as N	Calc	0.71	mg/L	1	0.10	10	05/06/11	05/11/11 11:16	
Turbidity	EPA-180.1	0.11	NT Units	1	0.10	5	05/04/11	05/04/11 07:30	
Nitrite as N	EPA-353.2	ND	mg/L	1	0.050	1	05/04/11	05/04/11 08:56	

Metals									
Total Recoverable Aluminum	EPA-200.7	ND	mg/L	1	0.050	0.2	05/11/11	05/11/11 16:12	
Total Recoverable Antimony	EPA-200.8	ND	mg/L	1	0.0020	0.006	05/11/11	05/20/11 14:25	
Total Recoverable Arsenic	EPA-200.8	ND	mg/L	1	0.0020	0.010	05/11/11	05/20/11 14:25	
Total Recoverable Barium	EPA-200.7	0.020	mg/L	1	0.010	2	05/11/11	05/11/11 16:12	
Total Recoverable Beryllium	EPA-200.8	ND	mg/L	1	0.0010	0.004	05/11/11	05/20/11 14:25	
Total Recoverable Cadmium	EPA-200.8	ND	mg/L	1	0.0010	0.005	05/11/11	05/20/11 14:25	
Total Recoverable Chromium	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/11	05/11/11 16:12	
Total Recoverable Copper	EPA-200.7	ND	mg/L	1	0.010	1.0	05/11/11	05/11/11 16:12	
Total Recoverable Iron	EPA-200.7	ND	mg/L	1	0.050	0.3	05/11/11	05/11/11 16:12	
Total Recoverable Lead	EPA-200.8	ND	mg/L	1	0.0010	0.005	05/11/11	05/20/11 14:25	
Total Recoverable Manganese	EPA-200.7	ND	mg/L	1	0.010	0.05	05/11/11	05/11/11 16:12	
Total Recoverable Mercury	EPA-245.1	ND	mg/L	1	0.00020	0.002	05/06/11	05/13/11 08:33	
Total Recoverable Nickel	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/11	05/11/11 16:12	
Total Recoverable Selenium	EPA-200.8	ND	mg/L	1	0.0020	0.05	05/11/11	05/20/11 14:25	
Total Recoverable Silver	EPA-200.7	ND	mg/L	1	0.010	0.1	05/11/11	05/11/11 16:12	
Total Recoverable Thallium	EPA-200.8	ND	mg/L	1	0.0010	0.002	05/11/11	05/20/11 14:25	
Total Recoverable Zinc	EPA-200.7	ND	mg/L	1	0.050	5.0	05/11/11	05/11/11 16:12	

Organics									
1,2-Dibromo-3-chloropropane	EPA-504.1	ND	ug/L	0.947	0.010	0.2	05/11/11	05/11/11 23:09	
Ethylene dibromide	EPA-504.1	ND	ug/L	0.947	0.010	0.05	05/11/11	05/11/11 23:09	
Aldrin	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
alpha-BHC	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	V11
beta-BHC	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
delta-BHC	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
gamma-BHC (Lindane)	EPA-508	ND	ug/L	1	0.0050	0.2	05/06/11	05/21/11 17:46	V11



Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1106891-01	Client Sample Name: Adobe Springs, 5/3/2011 11:45:00AM
----------------------------------	---

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Chlordane (Technical)	EPA-508	ND	ug/L	1	0.50	2	05/06/11	05/21/11 17:46	
4,4'-DDD	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
4,4'-DDE	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
4,4'-DDT	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	V11
Dieldrin	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
Endosulfan I	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
Endosulfan II	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
Endosulfan sulfate	EPA-508	ND	ug/L	1	0.0050		05/06/11	05/21/11 17:46	
Endrin	EPA-508	ND	ug/L	1	0.0050	2	05/06/11	05/21/11 17:46	
Endrin aldehyde	EPA-508	ND	ug/L	1	0.010		05/06/11	05/21/11 17:46	
Heptachlor	EPA-508	ND	ug/L	1	0.0050	0.4	05/06/11	05/21/11 17:46	V11
Heptachlor epoxide	EPA-508	ND	ug/L	1	0.0050	0.2	05/06/11	05/21/11 17:46	
Methoxychlor	EPA-508	ND	ug/L	1	0.0050	40	05/06/11	05/21/11 17:46	
Toxaphene	EPA-508	ND	ug/L	1	2.0	3	05/06/11	05/21/11 17:46	
PCB-1016	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1221	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1232	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1242	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1248	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1254	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
PCB-1260	EPA-508	ND	ug/L	1	0.20		05/06/11	05/21/11 17:46	
Total PCB's (Summation)	EPA-508	ND	ug/L	1	0.20	0.5	05/06/11	05/21/11 17:46	
TCMX (Surrogate)	EPA-508	72.8	%	1	30 - 129 (LCL - UCL)		05/06/11	05/21/11 17:46	
Dibutyl chlorendate (Surrogate)	EPA-508	111	%	1	52 - 190 (LCL - UCL)		05/06/11	05/21/11 17:46	
Bentazon	EPA-515.1	ND	ug/L	1	0.80		05/06/11	05/18/11 09:37	
2,4-D	EPA-515.1	ND	ug/L	1	0.40	70	05/06/11	05/18/11 09:37	
Dalapon	EPA-515.1	ND	ug/L	1	5.0	200	05/06/11	05/18/11 09:37	
Dicamba	EPA-515.1	ND	ug/L	1	0.080		05/06/11	05/18/11 09:37	
Dinoseb	EPA-515.1	ND	ug/L	1	0.20	7	05/06/11	05/18/11 09:37	
2,4,5-TP (Silvex)	EPA-515.1	ND	ug/L	1	0.070	50	05/06/11	05/18/11 09:37	
2,4-Dichlorophenylacetic acid (Surrogate)	EPA-515.1	95.3	%	1	43 - 136 (LCL - UCL)		05/06/11	05/18/11 09:37	
Benzene	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21	
Bromobenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21	
Bromochloromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21	
Bromodichloromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21	

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Adobe Springs P.O. Box 1417 Patterson, CA 95363	Reported: 06/01/2011 16:53 Project: Title 21 Source Project Number: [none] Project Manager: Paul Mason
---	---

BCL Sample ID:	1106891-01	Client Sample Name:	Adobe Springs, 5/3/2011 11:45:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals	
Organics										
Bromoform	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Bromomethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
n-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
sec-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
tert-Butylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Carbon tetrachloride	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
Chlorobenzene	EPA-524.2	ND	ug/L	1	0.50	100	05/09/11	05/09/11 21:21		
Chloroethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Chloroform	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Chloromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
2-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
4-Chlorotoluene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Dibromochloromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2-Dibromo-3-chloropropane	EPA-524.2	ND	ug/L	1	1.0	0.2	05/09/11	05/09/11 21:21		
1,2-Dibromoethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Dibromomethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	600	05/09/11	05/09/11 21:21		
1,3-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,4-Dichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	75	05/09/11	05/09/11 21:21		
Dichlorodifluoromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21	V11	
1,1-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2-Dichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
1,1-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	7	05/09/11	05/09/11 21:21		
cis-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	70	05/09/11	05/09/11 21:21		
trans-1,2-Dichloroethene	EPA-524.2	ND	ug/L	1	0.50	100	05/09/11	05/09/11 21:21		
1,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
1,3-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
2,2-Dichloropropane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,1-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
cis-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
trans-1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Total 1,3-Dichloropropene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Ethylbenzene	EPA-524.2	ND	ug/L	1	0.50	700	05/09/11	05/09/11 21:21		
Hexachlorobutadiene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Isopropylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		

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Adobe Springs P.O. Box 1417 Patterson, CA 95363	Reported: 06/01/2011 16:53 Project: Title 21 Source Project Number: [none] Project Manager: Paul Mason
---	---

BCL Sample ID:	1106891-01	Client Sample Name:	Adobe Springs, 5/3/2011 11:45:00AM							
Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals	
Organics										
p-Isopropyltoluene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Methylene chloride	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Methyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Naphthalene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
n-Propylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Styrene	EPA-524.2	ND	ug/L	1	0.50	100	05/09/11	05/09/11 21:21		
1,1,1,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,1,2,2-Tetrachloroethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Tetrachloroethene	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
Toluene	EPA-524.2	ND	ug/L	1	0.50	1000	05/09/11	05/09/11 21:21		
1,2,3-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2,4-Trichlorobenzene	EPA-524.2	ND	ug/L	1	0.50	70	05/09/11	05/09/11 21:21		
1,1,1-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	200	05/09/11	05/09/11 21:21		
1,1,2-Trichloroethane	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
Trichloroethene	EPA-524.2	ND	ug/L	1	0.50	5	05/09/11	05/09/11 21:21		
Trichlorofluoromethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2,3-Trichloropropane	EPA-524.2	ND	ug/L	1	1.0		05/09/11	05/09/11 21:21		
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2,4-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,3,5-Trimethylbenzene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
Vinyl chloride	EPA-524.2	ND	ug/L	1	0.50	2	05/09/11	05/09/11 21:21		
Total Xylenes	EPA-524.2	ND	ug/L	1	1.0	10000	05/09/11	05/09/11 21:21		
Total Trihalomethanes	EPA-524.2	ND	ug/L	1	2.0	10	05/09/11	05/09/11 21:21		
t-Amyl Methyl ether	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
t-Butyl alcohol	EPA-524.2	ND	ug/L	1	10		05/09/11	05/09/11 21:21		
Ethyl t-butyl ether	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
p- & m-Xylenes	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
o-Xylene	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21		
1,2-Dichloroethane-d4 (Surrogate)	EPA-524.2	94.5	%	1	76 - 114 (LCL - UCL)		05/09/11	05/09/11 21:21		
Toluene-d8 (Surrogate)	EPA-524.2	100	%	1	88 - 110 (LCL - UCL)		05/09/11	05/09/11 21:21		
4-Bromofluorobenzene (Surrogate)	EPA-524.2	93.1	%	1	86 - 115 (LCL - UCL)		05/09/11	05/09/11 21:21		
Acenaphthylene	EPA-525.2	ND	ug/L	1	0.10		05/04/11	05/22/11 20:51		
Alachlor	EPA-525.2	ND	ug/L	1	0.20	2	05/04/11	05/22/11 20:51		
Anthracene	EPA-525.2	ND	ug/L	1	0.10		05/04/11	05/22/11 20:51		
Atraton	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51		



Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1106891-01	Client Sample Name: Adobe Springs, 5/3/2011 11:45:00AM
----------------------------------	---

Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Atrazine	EPA-525.2	ND	ug/L	1	0.30	3	05/04/11	05/22/11 20:51	
Benzo[a]anthracene	EPA-525.2	ND	ug/L	1	0.20		05/04/11	05/22/11 20:51	
Benzo[b]fluoranthene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Benzo[k]fluoranthene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Benzo[a]pyrene	EPA-525.2	ND	ug/L	1	0.10	0.2	05/04/11	05/22/11 20:51	
Benzo[g,h,i]perylene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Benzyl butyl phthalate	EPA-525.2	ND	ug/L	1	4.0		05/04/11	05/22/11 20:51	
delta-BHC	EPA-525.2	ND	ug/L	1	0.20		05/04/11	05/22/11 20:51	
gamma-BHC (Lindane)	EPA-525.2	ND	ug/L	1	0.10	0.2	05/04/11	05/22/11 20:51	
Bromacil	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Chrysene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Diazinon	EPA-525.2	ND	ug/L	1	0.20		05/04/11	05/22/11 20:51	
Dibenzo[a,h]anthracene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Di(2-ethylhexyl)adipate	EPA-525.2	ND	ug/L	1	1.0	400	05/04/11	05/22/11 20:51	
Dimethoate	EPA-525.2	ND	ug/L	1	2.0		05/04/11	05/22/11 20:51	
Dimethyl phthalate	EPA-525.2	ND	ug/L	1	1.0		05/04/11	05/22/11 20:51	
Di-n-butyl phthalate	EPA-525.2	ND	ug/L	1	1.0		05/04/11	05/22/11 20:51	
Fluorene	EPA-525.2	ND	ug/L	1	0.20		05/04/11	05/22/11 20:51	
Hexachlorobenzene	EPA-525.2	ND	ug/L	1	0.10	1	05/04/11	05/22/11 20:51	
Hexachlorocyclopentadiene	EPA-525.2	ND	ug/L	1	1.0	50	05/04/11	05/22/11 20:51	
Indeno[1,2,3-cd]pyrene	EPA-525.2	ND	ug/L	1	0.30		05/04/11	05/22/11 20:51	
Methoxychlor	EPA-525.2	ND	ug/L	1	0.30	40	05/04/11	05/22/11 20:51	
Metolachlor	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Metribuzin	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Molinate	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Phenanthrene	EPA-525.2	ND	ug/L	1	0.10		05/04/11	05/22/11 20:51	
Prometon	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Prometryn	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Pyrene	EPA-525.2	ND	ug/L	1	0.10		05/04/11	05/22/11 20:51	
Secbumeton	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Simazine	EPA-525.2	ND	ug/L	1	0.30	4	05/04/11	05/22/11 20:51	
Terbutryn	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Thiobencarb	EPA-525.2	ND	ug/L	1	0.50		05/04/11	05/22/11 20:51	
Perylene-d12 (Surrogate)	EPA-525.2	90.9	%	1	50 - 116 (LCL - UCL)		05/04/11	05/22/11 20:51	
Endothal	EPA-548.1	ND	ug/L	1	20	100	05/10/11	05/19/11 22:29	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

BCL Sample ID: 1106891-01	Client Sample Name: Adobe Springs, 5/3/2011 11:45:00AM
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Constituent	Method	Result	Units	Dilution	PQL	BW-MCL	Prep Date	Run Date/Time	Lab Quals
Organics									
Diquat	EPA-549.2	ND	ug/L	1	4.0	20	05/10/11	05/16/11 23:11	
Uncategorized									
Pentachlorophenol	EPA-515.1	ND	ug/L	1	0.050		05/06/11	05/18/11 09:37	
Picloram	EPA-515.1	ND	ug/L	1	0.050		05/06/11	05/18/11 09:37	
Diisopropyl ether	EPA-524.2	ND	ug/L	1	0.50		05/09/11	05/09/11 21:21	
bis(2-Ethylhexyl)phthalate	EPA-525.2	ND	ug/L	1	3.0		05/04/11	05/22/11 20:51	
1,3-Dimethyl-2-nitrobenzene (Surrogate)	EPA-525.2	110	%	1	62 - 106 (LCL - UCL)		05/04/11	05/22/11 20:51	S09
Triphenylphosphate (Surrogate)	EPA-525.2	125	%	1	69 - 143 (LCL - UCL)		05/04/11	05/22/11 20:51	
Dibromoacetic acid	EPA-552.3	ND	ug/L	1	1.0		05/09/11	05/11/11 06:59	
Dichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0		05/09/11	05/11/11 06:59	
Monobromoacetic acid	EPA-552.3	ND	ug/L	1	1.0		05/09/11	05/11/11 06:59	
Monochloroacetic acid	EPA-552.3	ND	ug/L	1	1.0		05/09/11	05/11/11 06:59	
Trichloroacetic acid	EPA-552.3	ND	ug/L	1	1.0		05/09/11	05/11/11 06:59	
Total HAA's (Summation)	EPA-552.3	ND	ug/L	1	5.0		05/09/11	05/11/11 06:59	
2,3-Dibromopropionic acid (Surrogate)	EPA-552.3	110	%	1	70 - 130 (LCL - UCL)		05/09/11	05/11/11 06:59	
Total Recoverable Calcium	EPA-200.7	8.2	mg/L	1	0.10		05/11/11	05/11/11 16:12	
Total Recoverable Magnesium	EPA-200.7	110	mg/L	1	0.050		05/11/11	05/11/11 16:12	
Total Recoverable Sodium	EPA-200.7	9.5	mg/L	1	0.50		05/11/11	05/11/11 16:12	
Total Recoverable Potassium	EPA-200.7	ND	mg/L	1	1.0		05/11/11	05/11/11 16:12	
Bicarbonate	SM-2320B	440	mg/L	1	5.0		05/10/11	05/10/11 16:33	
Total Dissolved Solids @ 180 C	SM-2540C	410	mg/L	3.333	33		05/05/11	05/05/11 15:00	
Color	SM-2120B	1.0	Color Units	1	1.0		05/04/11	05/04/11 07:30	
Odor	SM-2150B	No Obs Odor	Odor Units	1	1.0		05/04/11	05/04/11 07:30	
Total Cyanide	EPA-335.4	ND	mg/L	1	0.0050		05/09/11	05/09/11 14:00	



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est 1906*

Client Name: BC Laboratories
Contact: Linda Phoudamneun
Address: 4100 Atlas Court
Bakersfield, CA 93308

Analytical Report: Page 1 of 4
Project Name: No Project
Project Number: 1106891

Work Order Number: A1E0735

Report Date: 11-May-2011

Received on Ice (Y/N): Yes Temp: 3 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
A1E0735-01	1106891-01	Water	05/03/11 11:45	Client	05/06/11 10:00	Courier (On Trac)

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

NELAP no. 02101CA
CA Elap no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est 1906*

Client Name: BC Laboratories
Contact: Linda Phoudamneun
Address: 4100 Atlas Court
Bakersfield, CA 93308

Analytical Report: Page 2 of 4
Project Name: No Project
Project Number: 1106891

Report Date: 11-May-2011

Work Order Number: **A1E0735**

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number
A1E0735-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
1106891-01	Water	05/03/11 11:45	05/06/11 10:00

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Aggregate Organic Compounds Phenols	ND	0.0010	mg/L*	SM 5530C	05/10/11 17:35	ctl	

* NELAP does not offer accreditation for this analyte/method/matrix combination

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

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CA Elap no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est 1906*

Client Name: BC Laboratories
Contact: Linda Phoudamneun
Address: 4100 Atlas Court
Bakersfield, CA 93308

Analytical Report: Page 3 of 4
Project Name: No Project
Project Number: 1106891

Report Date: 11-May-2011

Work Order Number: **A1E0735**

Received on Ice (Y/N): Yes Temp: 3 °C

Aggregate Organic Compounds - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 1E10027 - Solvent Extraction.										
LCS (1E10027-BS1)				Prepared & Analyzed: 05/10/11						
Phenols	0.00943	0.0010	mg/L*	0.0100		94.3	80-120			
Duplicate (1E10027-DUP1)				Source: A1E0736-03 Prepared & Analyzed: 05/10/11						
Phenols	ND	0.0010	mg/L*		ND				20	

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
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Riverside, CA 92507-0704

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www.babcocklabs.com

NELAP no. 02101CA
CA Elap no. 2698
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est 1906*

Client Name: BC Laboratories
Contact: Linda Phoudamneun
Address: 4100 Atlas Court
Bakersfield, CA 93308

Analytical Report: Page 4 of 4
Project Name: No Project
Project Number: 1106891

Work Order Number: A1E0735

Report Date: 11-May-2011

Received on Ice (Y/N): Yes Temp: 3 °C

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (if MDL is reported), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Digitally signed by Justin
Troup - Project Manager
Date: 2011.05.12 13:20:01
-07'00'

cc:

e-Standardt.rpt

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

NELAP no. 02101CA
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EPA no. CA00102



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est 1906*

Client Name: BC Laboratories
Contact: Linda Phoudamneun
Address: 4100 Atlas Court
Bakersfield, CA 93308

Analytical Report: Page 1 of 1
Project Name: No Project
Project Number: 1106891

Report Date: 11-May-2011

Work Order Number: **A1E0735**

Received on Ice (Y/N): Yes Temp: 3 °C

SUBCONTRACT ORDER

BC Laboratories
1106891

SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Linda Phoudamneun

RECEIVING LABORATORY:

Babcock Labs - SBABLK
6100 Quail Valley Court
Riverside, CA 92502
Phone: (951) 653-3351
Fax: (951) 653-3351

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1106891-01	Water	Sampled: 05/03/11 11:45		Client Sample ID: Adobe Springs
o18M5530w Phenols (mg/L)	05/17/11 17:00	05/31/11 11:45		

Containers Supplied:
2 of Amber w/ H2SO4

Shipping

Temp 3°C
MAY 06 2011
A1E0735gm

Released By: *Maia-Rogers* 5/5/11 Date: _____
Received By: _____ Date: _____

Released By: *CONTRAC* 5-6-11 10:00 Date: _____
Received By: _____ Date: _____

mailing

P.O. Box 432
Riverside, CA 92502-0432

location

6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

NELAP no. 02101CA
CA Elap no. 2698
EPA no. CA00102



A1E0435

05/18/2011

Linda Phoudamneun
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Dear Linda Phoudamneun,

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 05/05/2011 15:10.

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

Roy Diaz For Renea Rangell
Client Services Manager



05/18/2011

Case Narrative

Work Order Information

Client Name: BC Laboratories	Submitted by: Brenda Jones
Client Code: BCLab4911	Shipped by: Peninsula Messenger Service (PMS)
Work Order: A1E0435	COC Number:
Project: General: Project Manager-Linda Phoudamneun	TAT: 10
Client Project: 1106891	PO #:

Sample Receipt Conditions

Cooler: Default Cooler	Temp. °C: 0
Containers Intact	
COC/Labels Agree	
Received On Wet Ice	
Packing Material - Bubble Wrap	
Sample(s) were received in temperature range.	
Initial receipt at BSK-FAL	
Cooler: New Cooler	Temp. °C: 4
Containers Intact	
COC/Labels Agree	
Received On Wet Ice	
Packing Material - Bubble Wrap	
Sample(s) were received in temperature range.	
Initial receipt at BSK-FAL	
Cooler: New Cooler [1]	Temp. °C: 2
Containers Intact	
COC/Labels Agree	
Received On Wet Ice	
Packing Material - Bubble Wrap	
Sample(s) were received in temperature range.	
Initial receipt at BSK-FAL	
Cooler: New Cooler [2]	Temp. °C: 0
Containers Intact	
COC/Labels Agree	
Received On Wet Ice	
Packing Material - Bubble Wrap	
Sample(s) were received in temperature range.	
Initial receipt at BSK-FAL	

Report Manager
Linda Phoudamneun

Report Format
Final.rpt

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Certificate of Analysis

Linda Phoudamneun
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Report Issue Date: 05/18/2011 8:25
Received Date: 05/05/2011
Received Time: 15:10

Lab Sample ID: A1E0435-01 Client Project: 1106891
Sample Date: 05/03/2011 11:45 Sampled by: Client
Sample Type: Grab Matrix: Water

Sample Description: 1106891-01 // Adobe Springs

General Chemistry

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual. Rows include Bromate, Dichloramine, Monochloramine, Chlorine Dioxide, Chlorine, Residual (1), and Chlorite.

Radiological

Table with 10 columns: Analyte, Method, Result, Units, MDA, Batch, Prepared, Analyzed, Qual. Row includes Gross Alpha with a result of 0.160.

Organics

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual.

Carbamates by HPLC

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual. Rows include 3-Hydroxycarbofuran, Aldicarb, Aldicarb Sulfone, Aldicarb Sulfoxide, Carbaryl, Carbofuran, Methomyl, and Oxamyl.

Surrogate: BDMC EPA 531.1 97 % Acceptable range: 70-130 %

Glyphosate by HPLC

Table with 10 columns: Analyte, Method, Result, RL, Units, RL Mult, Batch, Prepared, Analyzed, Qual. Row includes Glyphosate.

Surrogate: AMPA EPA 547 102 % Acceptable range: 70-130 %



General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Date Analyzed	Qual
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Batch: A105316 Analyst: AJT Prepared: 05/06/2011

Blank (A105316-BLK1) SM 4500-CIO2 D - Quality Control

Chlorine Dioxide	ND	0.10	mg/L							05/06/11	
Dichloramine	ND	0.10	mg/L							05/06/11	
Monochloramine	ND	0.10	mg/L							05/06/11	

Duplicate (A105316-DUP1) SM 4500-CIO2 D - Quality Control Source: A1E0432-01

Chlorine Dioxide	ND	0.10	mg/L	ND				20		05/06/11	
Dichloramine	ND	0.10	mg/L	ND				20		05/06/11	
Monochloramine	ND	0.10	mg/L	ND				20		05/06/11	

Batch: A105319 Analyst: AJT Prepared: 05/06/2011

Blank (A105319-BLK1) SM 4500-CIB - Quality Control

Chlorine, Residual (1)	ND	0.10	mg/L							05/06/11	
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Duplicate (A105319-DUP1) SM 4500-CIB - Quality Control Source: A1E0432-02

Chlorine, Residual (1)	ND	0.10	mg/L	ND				20		05/06/11	
------------------------	----	------	------	----	--	--	--	----	--	----------	--

Batch: A105461 Analyst: MAT Prepared: 05/09/2011

Blank (A105461-BLK1) EPA 317.0 - Quality Control

Bromate	ND	0.0010	mg/L							05/09/11	
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Blank Spike (A105461-BS1) EPA 317.0 - Quality Control

Bromate	0.010	0.0010	mg/L	0.010		103	85-115			05/09/11	
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Blank Spike Dup (A105461-BSD1) EPA 317.0 - Quality Control

Bromate	0.010	0.0010	mg/L	0.010		103	85-115	0	10	05/09/11	
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Matrix Spike (A105461-MS1) EPA 317.0 - Quality Control Source: A1E0469-01

Bromate	0.0057	0.0010	mg/L	0.010	ND	57	75-125			05/09/11	MS02 Low
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Matrix Spike (A105461-MS2) EPA 317.0 - Quality Control Source: A1E0556-01

Bromate	0.012	0.0010	mg/L	0.010	0.0028	94	75-125			05/09/11	
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Matrix Spike Dup (A105461-MSD1) EPA 317.0 - Quality Control Source: A1E0469-01

Bromate	0.0097	0.0010	mg/L	0.010	ND	97	75-125	52	10	05/09/11	MS07
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Matrix Spike Dup (A105461-MSD2) EPA 317.0 - Quality Control Source: A1E0556-01

Bromate	0.013	0.0010	mg/L	0.010	0.0028	99	75-125	4	10	05/09/11	
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Batch: A105462 Analyst: MAT Prepared: 05/09/2011

Blank (A105462-BLK1) EPA 300.1 - Quality Control

Chlorite	ND	0.0050	mg/L							05/09/11	
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Blank Spike (A105462-BS1) EPA 300.1 - Quality Control

Chlorite	0.20	0.0050	mg/L	0.20		102	85-115			05/09/11	
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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
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Batch: A105462

Analyst: MAT

Prepared: 05/09/2011

Blank Spike Dup (A105462-BSD1) EPA 300.1 - Quality Control

Chlorite	0.21	0.0050	mg/L	0.20		104	85-115	2	10	05/09/11	
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Matrix Spike (A105462-MS1) EPA 300.1 - Quality Control

Source: A1E0559-03

Chlorite	0.21	0.0050	mg/L	0.20	ND	103	75-125			05/09/11	
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Matrix Spike (A105462-MS2) EPA 300.1 - Quality Control

Source: A1E0560-02

Chlorite	0.21	0.0050	mg/L	0.20	ND	105	75-125			05/10/11	
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Matrix Spike Dup (A105462-MSD1) EPA 300.1 - Quality Control

Source: A1E0559-03

Chlorite	0.21	0.0050	mg/L	0.20	ND	104	75-125	2	10	05/09/11	
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Matrix Spike Dup (A105462-MSD2) EPA 300.1 - Quality Control

Source: A1E0560-02

Chlorite	0.21	0.0050	mg/L	0.20	ND	107	75-125	1	10	05/10/11	
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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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Batch: A105507 Analyst: LBA Prepared: 05/10/2011

Blank (A105507-BLK1) EPA 547 - Quality Control

Glyphosate	ND	25	ug/L							05/11/11	
Surrogate: AMPA	200			200		101	70-130			05/11/11	

Blank Spike (A105507-BS1) EPA 547 - Quality Control

Glyphosate	240	25	ug/L	250		95	70-130			05/12/11	
Surrogate: AMPA	300			250		118	70-130			05/12/11	

Blank Spike Dup (A105507-BSD1) EPA 547 - Quality Control

Glyphosate	270	25	ug/L	250		109	70-130	14	30	05/12/11	
Surrogate: AMPA	280			250		112	70-130			05/12/11	

Duplicate (A105507-DUP1) EPA 547 - Quality Control

Source: A1E0469-04

Glyphosate	ND	25	ug/L		ND				30	05/12/11	
Surrogate: AMPA	210			200		106	70-130			05/12/11	

Matrix Spike (A105507-MS1) EPA 547 - Quality Control

Source: A1E0384-02

Glyphosate	300	25	ug/L	250	ND	119	70-130			05/12/11	
Surrogate: AMPA	250			250		102	70-130			05/12/11	

Matrix Spike Dup (A105507-MSD1) EPA 547 - Quality Control

Source: A1E0384-02

Glyphosate	440	25	ug/L	250	ND	177	70-130	39	30	05/12/11	MS08 High
Surrogate: AMPA	480			250		192	70-130			05/12/11	X01

Batch: A105542 Analyst: KHH Prepared: 05/11/2011

Blank (A105542-BLK1) EPA 531.1 - Quality Control

3-Hydroxycarbofuran	ND	3.0	ug/L							05/12/11	
Aldicarb	ND	3.0	ug/L							05/12/11	
Aldicarb Sulfone	ND	2.0	ug/L							05/12/11	
Aldicarb Sulfoxide	ND	3.0	ug/L							05/12/11	
Carbaryl	ND	5.0	ug/L							05/12/11	
Carbofuran	ND	5.0	ug/L							05/12/11	
Methomyl	ND	2.0	ug/L							05/12/11	
Oxamyl	ND	20	ug/L							05/12/11	
Surrogate: BDMC	26			30		87	70-130			05/12/11	

Blank Spike (A105542-BS1) EPA 531.1 - Quality Control

3-Hydroxycarbofuran	30	3.0	ug/L	30		100	70-130			05/12/11	
Aldicarb	28	3.0	ug/L	30		93	70-130			05/12/11	
Aldicarb Sulfone	30	2.0	ug/L	30		101	70-130			05/12/11	
Aldicarb Sulfoxide	31	3.0	ug/L	30		103	70-130			05/12/11	
Carbaryl	29	5.0	ug/L	30		98	70-130			05/12/11	
Carbofuran	29	5.0	ug/L	30		95	70-130			05/12/11	
Methomyl	30	2.0	ug/L	30		101	70-130			05/12/11	
Oxamyl	30	20	ug/L	30		101	70-130			05/12/11	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike		Source		%REC		RPD		Date	
				Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qual		

Batch: A105542 Analyst: KHH Prepared: 05/11/2011

Blank Spike (A105542-BS1) EPA 531.1 - Quality Control

Surrogate: BDMC	31			30		103	70-130					05/12/11	
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Blank Spike Dup (A105542-BSD1) EPA 531.1 - Quality Control

3-Hydroxycarbofuran	31	3.0	ug/L	30		103	70-130	2	20			05/12/11	
Aldicarb	29	3.0	ug/L	30		96	70-130	3	20			05/12/11	
Aldicarb Sulfone	31	2.0	ug/L	30		104	70-130	2	20			05/12/11	
Aldicarb Sulfoxide	32	3.0	ug/L	30		106	70-130	3	20			05/12/11	
Carbaryl	29	5.0	ug/L	30		97	70-130	1	20			05/12/11	
Carbofuran	30	5.0	ug/L	30		100	70-130	5	20			05/12/11	
Methomyl	31	2.0	ug/L	30		103	70-130	2	20			05/12/11	
Oxamyl	31	20	ug/L	30		105	70-130	3	20			05/12/11	
Surrogate: BDMC	30			30		100	70-130					05/12/11	

Duplicate (A105542-DUP1) EPA 531.1 - Quality Control

Source: A1E0435-01

3-Hydroxycarbofuran	ND	3.0	ug/L	ND					20			05/12/11	
Aldicarb	ND	3.0	ug/L	ND					20			05/12/11	
Aldicarb Sulfone	ND	2.0	ug/L	ND					20			05/12/11	
Aldicarb Sulfoxide	ND	3.0	ug/L	ND					20			05/12/11	
Carbaryl	ND	5.0	ug/L	ND					20			05/12/11	
Carbofuran	ND	5.0	ug/L	ND					20			05/12/11	
Methomyl	ND	2.0	ug/L	ND					20			05/12/11	
Oxamyl	ND	20	ug/L	ND					20			05/12/11	
Surrogate: BDMC	32			30		105	70-130					05/12/11	

Matrix Spike (A105542-MS1) EPA 531.1 - Quality Control

Source: A1E0199-01

3-Hydroxycarbofuran	31	3.0	ug/L	30	ND	105	70-130					05/12/11	
Aldicarb	29	3.0	ug/L	30	ND	95	70-130					05/12/11	
Aldicarb Sulfone	30	2.0	ug/L	30	ND	102	70-130					05/12/11	
Aldicarb Sulfoxide	31	3.0	ug/L	30	ND	103	70-130					05/12/11	
Carbaryl	29	5.0	ug/L	30	ND	97	70-130					05/12/11	
Carbofuran	30	5.0	ug/L	30	ND	101	70-130					05/12/11	
Methomyl	30	2.0	ug/L	30	ND	100	70-130					05/12/11	
Oxamyl	30	20	ug/L	30	ND	100	70-130					05/12/11	
Surrogate: BDMC	32			30		107	70-130					05/12/11	

Matrix Spike Dup (A105542-MSD1) EPA 531.1 - Quality Control

Source: A1E0199-01

3-Hydroxycarbofuran	36	3.0	ug/L	30	ND	120	70-130	13	20			05/12/11	
Aldicarb	31	3.0	ug/L	30	ND	103	70-130	8	20			05/12/11	
Aldicarb Sulfone	34	2.0	ug/L	30	ND	113	70-130	10	20			05/12/11	
Aldicarb Sulfoxide	36	3.0	ug/L	30	ND	119	70-130	14	20			05/12/11	
Carbaryl	32	5.0	ug/L	30	ND	107	70-130	11	20			05/12/11	
Carbofuran	33	5.0	ug/L	30	ND	109	70-130	8	20			05/12/11	
Methomyl	34	2.0	ug/L	30	ND	113	70-130	12	20			05/12/11	
Oxamyl	35	20	ug/L	30	ND	117	70-130	15	20			05/12/11	
Surrogate: BDMC	37			30		123	70-130					05/12/11	

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Radiological Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Date Analyzed	Qual
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Batch: A105460

Analyst: RMJ

Prepared: 05/10/2011

Blank (A105460-BLK1) EPA 00-02 - Quality Control

1.65 Sigma Uncertainty	ND		±							05/11/11	
Gross Alpha	ND	3	pCi/L							05/11/11	

Blank Spike (A105460-BS1) EPA 00-02 - Quality Control

Gross Alpha	31.5	3	pCi/L	30		105	80-120			05/11/11	
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Blank Spike Dup (A105460-BSD1) EPA 00-02 - Quality Control

Gross Alpha	35.1	3	pCi/L	30		117	80-120	11	50	05/11/11	
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Matrix Spike (A105460-MS1) EPA 00-02 - Quality Control

Source: A1E0388-01

Gross Alpha	200	3	pCi/L	120	47.0	128	70-130			05/11/11	
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Matrix Spike (A105460-MS2) EPA 00-02 - Quality Control

Source: A1E0469-03

Gross Alpha	152	3	pCi/L	120	ND	126	70-130			05/11/11	
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Matrix Spike Dup (A105460-MSD1) EPA 00-02 - Quality Control

Source: A1E0388-01

Gross Alpha	237	3	pCi/L	120	47.0	158	70-130	17	50	05/11/11	MS01 High
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Matrix Spike Dup (A105460-MSD2) EPA 00-02 - Quality Control

Source: A1E0469-03

Gross Alpha	155	3	pCi/L	120	ND	128	70-130	2	50	05/11/11	
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Certificate of Analysis

05/18/2011

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:	Name 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

X01 Surrogate recovery is high. Associated samples are ND.

MS08 Recovery for matrix spike was biased high; associated samples were ND.

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- MS07 MS/MSD RPD exceeded limits as one of the matrix spikes recovered outside limits.
- MS02 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- MS01 Matrix spike recovery was high; the associated blank spike recovery was acceptable.
- HT01 Sample was received past holding time.
- DL01 Sample required dilution due to matrix or high concentration of non-target analyte.

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BC Laboratories

BCLab4911

05052011

Turnaround: Standard

Due Date: 05/19/2011

Printed: 05/05/2011 18:33:13

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Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Subcontract Report for 1106891 PDF File Name: WO_1106891_SUB_BSKSA.pdf Page 12 of 14

AIE0435
BCLab4911

05/05/2011
10

SUBCONTRACT ORDER

BC Laboratories
1106891

4,020



SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Linda Phoudamneun

RECEIVING LABORATORY:

BSK Analytical Labs BSKSA
1414 Stanislaus Street
Fresno, CA 93706
Phone: (800) 877-8310
Fax: (559) 485-6935

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1106891-01	Water	Sampled: 05/03/11 11:45	BSKSA	Client Sample ID: Adobe Springs
om900.0w Gross Alpha BSKSA	05/17/11 17:00	10/31/11 11:45		
oiSM4500CL02-Dw Chlorine Dioxide BSKSA	05/17/11 17:00	05/04/11 11:45		
oiSM4500CL02-Dw Chloramines BSKSA	05/17/11 17:00	05/04/11 11:45		
oiSM4500CL-Gw Total Chlorine Residual BSKSA	05/17/11 17:00	05/04/11 11:45		
oi300.1w Chlorite BSKSA	05/17/11 17:00	05/31/11 11:45		
oi300.0w Bromate (ug/l.) BSKSA	05/17/11 17:00	05/31/11 11:45		
og547w Glyphosate BSKSA	05/17/11 17:00	05/17/11 11:45		
og531w Carbamates BSKSA	05/17/11 17:00	05/31/11 11:45		

Containers Supplied:

OTPE
Qt met (1)
S17
531
Amibe - w/EDA

Mani... 5/5/11
Released By _____ Date

Steve A. 5-5-11
Received By _____ Date

Steve A. 5-5-11
Released By _____ Date

Steve A. 5-5-11
Received By _____ Date

Steve A. 5-5-11

Steve A. 5/5/11

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Sample Integrity

Pg. 1 of 2

A1E0435
BCLab4911

05/05/2011
10



Date Received 5/5/11

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 ___ Has Chilling Process Begun: Yes ___ No ___

Coolers/Ice Chests Description/Temperature(s): (if more than 5 received, list information in comment section)

1) 0 2) 4 3) 2 4) 0 5) ~~1~~

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-FAL)

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

Section 2- COC Info.

	Completed		Info From Container	Completed		Info From Container
	Yes	No		Yes	No	
Was COC Received	—					Analysis Requested
Date Sampled	—					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: Konga Notified By/Time: Ryan 5/5/11 1:36p

Explanations / Comments

Chloramines received out of hold time.

*OK to analyze out of hold time. 5/5/11 RWR

Report Comment Entered:

Labeled by: MA @ 2:55 Labels checked by: JLD @ 1:26 RUSH Paged by: _____ @ _____

(4/11)



Sample Integrity Pg 2 of 2

A1E0435
BCLab4911

05/05/2011
10

BSK Bottles Yes 4 No 1



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

Container(s) Received	1				
Bacti Na ₂ S ₂ O ₃					
None (p) <small>White Cap</small>	1CB				
None (p) <small>Blue Cap w/NH4 + Buffer</small>					
HNO ₃ (p) <small>Red Cap</small>	2CB				
H ₂ SO ₄ (p) <small>Yellow Cap</small>					
NaOH (p) <small>Green Cap</small>					
EDA (p) <small>Brown Cap Label</small>					
Other:					
Dissolved Oxygen 300ml (g)					
250ml (AG) None					
250ml (AG) H ₂ SO ₄ COD <small>Yellow Label</small>					
250ml (AG) Na ₂ S ₂ O ₃ 515,547 <small>Blue Label</small>	1				
250ml (AG) Na ₂ S ₂ O ₃ + MCAA 531.1 <small>Orange Label</small>					
250ml (AG) NH ₄ Cl 552 <small>Purple Label</small>					
250ml (AG) EDA DBPs <small>Brown Label</small>	1				
250ml (AG) Other:					
500ml (AG) None					
500ml (AG) H ₂ SO ₄ <small>Yellow Label</small>					
1 Liter (AG) None					
1 Liter (AG) H ₂ SO ₄ O&G / TPH-Diesel <small>Yellow Label</small>					
1 Liter (AG) Na ₂ S ₂ O ₃ 548 / 525 / 521 <small>Blue Label</small>					
1 Liter (P) Na ₂ S ₂ O ₃ + H ₂ SO ₄ 549					
1 Liter (AG) NaOH+ZnAc Sulfide					
40ml VOA Vial Clear - HCL					
40ml VOA Vial Clear - Buffer pH 4					
40ml VOA Vial Clear - None					
40ml VOA Vial Amber - Na ₂ S ₂ O ₃					
40ml VOA Vial Clear - Na ₂ S ₂ O ₃ 504, 505					
40ml VOA Vial Clear - H ₃ PO ₄					
Other:					
1/2 Gallon (p)					
Asbestos 1Liter Plastic/Foil					
Radon 200ml Clear (g)					
Low Level Hg/Metals Double Baggie					
Bioassay Jug					
Ampule					
PT Sample Bottle					
250 Clear Glass Jar					
500 Clear Glass Jar					
1 Liter Clear Glass Jar					
Plastic Bag					
Soil Tube Brass / Steel / Plastic					
Tedlar Bags					

Handwritten notes: 5/3/11

(4/11)



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Your Project #: 1106891
Your C.O.C. #: na

Attention: Linda Phoudamneun
BC Laboratories
4100 Atlas Crt
Bakersfield, CA
USA 93308

Report Date: 2011/05/20

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B162890
Received: 2011/05/06, 12:03

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
2,3,7,8-TCDD in Water (1613B)	1	2011/05/16	2011/05/19	BRL SOP-00410	EPA 1613B mod.

Remarks:

The lab certifies that the test results meet all requirements of NELAC, where applicable.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

- U = Undetected at the limit of quantitation.
- J = Estimated concentration between the EDL & RDL.
- B = Blank Contamination.
- Q = One or more quality control criteria failed.

Encryption Key

 Ancy Sebastian
23 May 2011 11:21:12 -04:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

ANCY SEBASTIAN, C.Tech., Senior Project Manager, Air Toxics
Email: ASebastian@maxxam.ca
Phone# (905) 817-5831

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Total cover pages: 1

Maxxam Analytics International Corporation via Maxxam Analytics Air Toxics/Ultra-Trace : 6740 Campobello Road L5H 2L8 Telephone(905) 817-5700 FAX(905) 817-5777



Success Through Science®

Maxxam Job #: B162890
Report Date: 2011/05/20

BC Laboratories
Client Project #: 1106891

DIOXINS AND FURANS BY HRMS (WATER)

Maxxam ID		JK5313						
Sampling Date		2011/05/03						
		11:45						
COC Number		na			TOXIC EQUIVALENCY		# of	
	Units	1106891-01	EDL	RDL	TEF (2005 WHO)	TEQ(DL)	Isomers	QC Batch

2,3,7,8-Tetra CDD *	pg/L	0.69 U	0.69	10	1.00	0.690		2491528
TOTAL TOXIC EQUIVALENCY	pg/L					0.690		
Surrogate Recovery (%)								
37CL4 2378 Tetra CDD	%	76						2491528
C13-2378 TetraCDD	%	86						2491528

RDL = Reportable Detection Limit
 EDL = Estimated Detection Limit
 QC Batch = Quality Control Batch
 * CDD = Chloro Dibenzo-p-Dioxin
 TEF = Toxic Equivalency Factor, TEQ = Toxic Equivalency Quotient,
 The Total Toxic Equivalency (TEQ) value reported is the sum of Toxic Equivalent Quotients for the congeners tested.
 WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds



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Maxxam Job #: B162890
Report Date: 2011/05/20

BC Laboratories
Client Project #: 1106891

Test Summary

Maxxam ID	JK5313	Collected	2011/05/03
Sample ID	1106891-01	Shipped	
Matrix	Water	Received	2011/05/06

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
2,3,7,8-TCDD in Water (1613B)	HRMS/MS	2491528	2011/05/16	2011/05/19	OWEN COSBY



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Maxxam Job #: B162890
Report Date: 2011/05/20

BC Laboratories
Client Project #: 1106891

Package 1	9.8°C
Package 2	4.3°C

Each temperature is the average of up to three cooler temperatures taken at receipt

GENERAL COMMENTS

Results relate only to the items tested.



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BC Laboratories
Attention: Linda Phoudamneun
Client Project #: 1106891
P.O. #:
Project name:

Quality Assurance Report
Maxxam Job Number: GB162890

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	%Recovery	Units	QC Limits
2491528 OBC	Spiked Blank	37CL4 2378 Tetra CDD	2011/05/19		85	%	40 - 130
		C13-2378 TetraCDD	2011/05/19		87	%	24 - 164
Method Blank		2,3,7,8-Tetra CDD	2011/05/19		93	%	67 - 158
		37CL4 2378 Tetra CDD	2011/05/19		69	%	40 - 130
		C13-2378 TetraCDD	2011/05/19		76	%	24 - 164
		2,3,7,8-Tetra CDD	2011/05/19	0.55 U, EDL=0.55		pp/L	

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

Maxxam Analytics International Corporation o/a Maxxam Analytics Air Toxics/Ultra-Trace : 6740 Campobello Road LSN 2L8 Telephone:(905) 817-5700 FAX:(905) 817-5777



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Validation Signature Page

Maxxam Job #: B162890

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

BRANKO VRZIC, A.S.C.T., Senior Analyst, HRMS Services

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Pace Analytical Services, Inc.
1838 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 31, 2011

Ms. Linda Phoudamneun
BC Laboratories
4100 Atlas Ct.
Bakersfield, CA 93308

RE: Project: 1106891
Pace Project No.: 3046447

Dear Ms. Phoudamneun:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins

jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 8

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1106891
Pace Project No.: 3046447

Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4, Greensburg, PA 15601
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/NELAC Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH 0694
Delaware Certification
Florida/NELAC Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/NELAC Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/NELAC Certification #: 2976
New Jersey/NELAC Certification #: PA 051
New Mexico Certification
New York/NELAC Certification #: 10888
North Carolina Certification #: 42706
Oregon/NELAC Certification #: PA200002
Pennsylvania/NELAC Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/NELAC Certification #: T104704188-09 TX
Utah/NELAC Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Washington Certification #: C1941
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1106891
Pace Project No.: 3046447

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3046447001	1106891-01	Water	05/03/11 11:45	05/11/11 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1106891
Pace Project No.: 3046447

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3046447001	1106891-01	EPA 904.0	DJL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1106891
Pace Project No.: 3046447

Method: EPA 904.0
Description: 904.0 Radium 228
Client: BC Laboratories
Date: May 31, 2011

General Information:

1 sample was analyzed for EPA 904.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

Page 5 of 8

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ANALYTICAL RESULTS

Project: 1106891
Pace Project No.: 3046447

Sample: **1106891-01** Lab ID: **3046447001** Collected: 05/03/11 11:45 Received: 05/11/11 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 904.0	0.742 ± 0.502 (0.971)	pCi/L	05/27/11 14:36	15262-20-1	

Date: 05/31/2011 02:09 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1106891
Pace Project No.: 3046447

QC Batch: RADC/8349	Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0	Analysis Description: 904.0 Radium 228
Associated Lab Samples: 3046447001	

METHOD BLANK: 297969	Matrix: Water
Associated Lab Samples: 3046447001	

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.710 ± 0.515 (0.974)	pCi/L	05/27/11 14:34	

Date: 05/31/2011 02:09 PM

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1106891
Pace Project No.: 3046447

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Act - Activity
Unc - Uncertainty
(MDC) - Minimum Detectable Concentration
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

Date: 05/31/2011 02:09 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 8

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Adobe Springs
P.O. Box 1417
Patterson, CA 95363

Reported: 06/01/2011 16:53
Project: Title 21 Source
Project Number: [none]
Project Manager: Paul Mason

Notes And Definitions

- MDL Method Detection Limit
 - ND Analyte Not Detected at or above the reporting limit
 - PQL Practical Quantitation Limit
 - S09 The surrogate recovery on the sample for this compound was not within the control limits.
 - V11 The Continuing Calibration Verification (CCV) recovery is not within established control limits.
- BW-MCL = MCLs for Title 21 Bottled Water