

MWH Laboratories
 750 Royal Oaks Drive, Monrovia, CA 91016
 PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

City of Phoenix
 Public Works Department
 Solid Waste Disposal Mgt Div
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810
 Attn: Hillary Hartline
 Phone: (602) 534 6655

Customer Code: PHOENIX-LF
 Group#: 232971
 Project#: SR85
 Proj Mgr: Tom French
 Phone: 480 778 1558

The following samples were received from you on **03/06/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2803060173	85A-108		Water	06-mar-2008 09:22:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060176	85A-108 MS		Water	06-mar-2008 09:22:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060177	85A-108 MSD		Water	06-mar-2008 09:22:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060178	85B-108		Water	06-mar-2008 09:23:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060179	85C-108		Water	06-mar-2008 10:30:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060180	85D-108		Water	06-mar-2008 10:31:00
		@8260COP @MOD8011 ADEQ_ID	AG-MS	ALK AS-MS
		BA-MS CD-MS	CL-LF	CO-MS CR-MS CU-MS
		F HG	NI-MS	NO3RFALF P PB-MS
		SAMPLETP SE-MS	T	TDS-LF WELLID ZN-MS
2803060185	85ATB-108		Water	06-mar-2008 09:22:00
		@8260COP @MOD8011		

City of Phoenix
 Public Works Department
 Solid Waste Disposal Mgt Div
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810
 Attn: Hillary Hartline
 Phone: (602) 534 6655

Customer Code: PHOENIX-LF
 Group#: 232971
 Project#: SR85
 Proj Mgr: Tom French
 Phone: 480 778 1558

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2803060186	85CTB-108	@8260COP @MOD8011	Water	06-mar-2008 10:30:00

Test Acronym Description

Test Acronym	Description
@8260COP	Volatile Organics HSL
@MOD8011	EPA Method 8011
ADEQ_ID	ADEQ ID number
AG-MS	Silver, Total, ICAP/MS
ALK	Alkalinity in CaCO3 units
AS-MS	Arsenic, Total, ICAP/MS
BA-MS	Barium, Total, ICAP/MS
CD-MS	Cadmium, Total, ICAP/MS
CL-LF	Chloride
CO-MS	Cobalt, Total, ICAP/MS
CR-MS	Chromium, Total, ICAP/MS
CU-MS	Copper, Total, ICAP/MS
F	Fluoride
HG	Mercury
NI-MS	Nickel, Total, ICAP/MS
NO3RFALF	Nitrate + Nitrite as N by RFA
P	Metals sample pH
PB-MS	Lead, Total, ICAP/MS
SAMPLETP	Sample Type
SE-MS	Selenium, Total, ICAP/MS
T	Metals Turbidity
TDS-LF	Total Dissolved Solid (TDS)
WELLID	Well ID
ZN-MS	Zinc, Total, ICAP/MS



MWH Laboratories

A Division of MWH Americas, Inc.

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

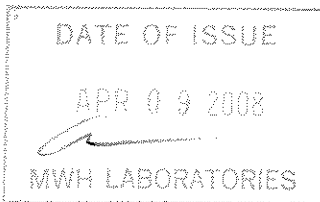
City of Phoenix
Public Works Department

Solid Waste Disposal Mgt Div

3060 South 27th Avenue

Phoenix , AZ 85009-6810

Attention: Hillary Hartline
Fax: (602) 534-9872



TDFA Tom French
Project Manager



Report#: 232971
Project: SR85

ADHS Licence# AZ0455

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Page , Page , Page , Page , Page , Page , Page , Page , Page , Page 1, Page 1,



MWH Laboratories

A Division of MWH Americas, Inc.

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
Hits Report
#232971

City of Phoenix
Hillary Hartline
Public Works Department
Solid Waste Disposal Mgt Div
3060 South 27th Avenue
Phoenix , AZ 85009-6810

Samples Received
06-mar-2008 14:07:34

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2803060173	85A-108				
03/07/08			Alkalinity in CaCO3 units	97	mg/l	2.0
03/14/08			Arsenic, Total, ICAP/MS	6.8	10 ug/l	1.0
03/14/08			Barium, Total, ICAP/MS	48	2000 ug/l	2.0
03/25/08			Chloride	770	mg/l	25
03/14/08			Chromium, Total, ICAP/MS	5	100 ug/l	1.0
03/17/08			Fluoride	5.0	4 mg/l	0.050
03/17/08			Nitrate + Nitrite as N by RFA	2.6	mg/l	0.030
04/09/08			Sample Type	FO	None	
03/10/08			Total Dissolved Solid (TDS)	1690	mg/l	10
04/09/08			Well ID	MW-3	None	
	2803060176	85A-108 MS				
04/09/08			Sample Type	QC	None	
04/09/08			Well ID	MW-3	None	
	2803060177	85A-108 MSD				
04/09/08			Sample Type	QC	None	
04/09/08			Well ID	MW-3	None	
	2803060178	85B-108				
03/07/08			Alkalinity in CaCO3 units	2.0	mg/l	2.0
04/09/08			Sample Type	FB	None	
03/10/08			Total Dissolved Solid (TDS)	2220	mg/l	10
04/09/08			Well ID	MW-3	None	



MWH Laboratories

A Division of MWH Americas, Inc.

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
Hits Report
#232971

City of Phoenix
Hillary Hartline
Public Works Department
Solid Waste Disposal Mgt Div
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Samples Received
06-mar-2008 14:07:34

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2803060179	85C-108				
	2803060179	85C-108				
03/07/08			Alkalinity in CaCO3 units	107	mg/l	2.0
03/14/08			Arsenic, Total, ICAP/MS	4.4	10 ug/l	1.0
03/14/08			Barium, Total, ICAP/MS	65	2000 ug/l	2.0
03/25/08			Chloride	850	mg/l	25
03/14/08			Chromium, Total, ICAP/MS	3.7	100 ug/l	1.0
03/17/08			Fluoride	3.6	4 mg/l	0.050
03/14/08			Nickel, Total, ICAP/MS	8.3	ug/l	5.0
03/18/08			Nitrate + Nitrite as N by RFA	6.1	mg/l	0.15
04/09/08			Sample Type	FO	None	
03/14/08			Selenium, Total, ICAP/MS	5	50 ug/l	5.0
04/09/08			Well ID	MW-4	None	
	2803060180	85D-108				
03/10/08			Alkalinity in CaCO3 units	108	mg/l	2.0
03/14/08			Arsenic, Total, ICAP/MS	4.5	10 ug/l	1.0
03/14/08			Barium, Total, ICAP/MS	65	2000 ug/l	2.0
03/25/08			Chloride	850	mg/l	25
03/14/08			Chromium, Total, ICAP/MS	4.1	100 ug/l	1.0
03/17/08			Fluoride	3.8	4 mg/l	0.050
03/14/08			Nickel, Total, ICAP/MS	5.9	ug/l	5.0
03/18/08			Nitrate + Nitrite as N by RFA	6.0	mg/l	0.15
04/09/08			Sample Type	FD	None	
03/14/08			Selenium, Total, ICAP/MS	5.3	50 ug/l	5.0
03/10/08			Total Dissolved Solid (TDS)	2260	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.



A Division of MWH Americas, Inc.

750 Foyal 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
Hits Report
#232971

City of Phoenix
Hillary Hartline
Public Works Department
Solid Waste Disposal Mgt Div
3060 South 27th Avenue
Phoenix , AZ 85009-6810

Samples Received
06-mar-2008 14:07:34

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
04/09/08	2803060180	85D-108				
	Well ID		MW-4		None	
	2803060185	85ATB-108				
	2803060186	85CTB-108				



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
Hillary Hartline
Public Works Department
Solid Waste Disposal Mgt Div
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Samples Received
06-mar-2008 14:07:34

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
85A-108 (2803060173) Sampled on 03/06/08								
	03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	03/07/08	415322	(SM 2320B)	Alkalinity in CaCO3 units	97	mg/l	2.0	1
	03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	6.8	ug/l	1.0	1
	03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	48	ug/l	2.0	1
	03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	03/25/08	417940	(ML/EPA 300)	Chloride	770	mg/l	25	50
	03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	ND	ug/l	2.0	1
	03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	5	ug/l	1.0	1
	03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	03/17/08	416598	(SM 4500F-C)	Fluoride	5.0	mg/l	0.050	1
	03/18/08	416718	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	03/17/08	416577	(EPA 353.2)	Nitrate + Nitrite as N by RFA	2.6	mg/l	0.030	1
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	04/09/08		(NONE)	Sample Type	FO	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	1690	mg/l	10	1
	04/09/08		(NONE)	Well ID	MW-3	None	0.0000	1
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	83	% Rec		
Volatile Organics HSL								
	03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acetone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
	03/18/08	416949	(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4 (70-130)	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene (70-130)	96	% Rec		
			(Surrogate)	Toluene-d8 (70-130)	91	% Rec		
85A-108 MS (2803060176) Sampled on 03/06/08								
	03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	86.2	% Rec	0.50	1
	03/07/08	415322	(SM 2320B)	Alkalinity in CaCO3 units	92	% Rec	2.0	1
	03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	105	% Rec	1.0	1
	03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	96.4	% Rec	2.0	1
	03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	93.5	% Rec	0.50	1
	03/25/08	417940	(ML/EPA 300)	Chloride	102	% Rec	25	50
	03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	101	% Rec	2.0	1
	03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	99.9	% Rec	1.0	1
	03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	92.3	% Rec	2.0	1
	03/17/08	416598	(SM 4500F-C)	Fluoride	118	% Rec	0.050	1
	03/18/08	416718	(EPA 245.1)	Mercury	100	% Rec	0.20	1
	03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	92.4	% Rec	5.0	1
	03/17/08	416577	(EPA 353.2)	Nitrate + Nitrite as N by RFA	91	% Rec	0.030	1
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	93.5	% Rec	0.50	1
	04/09/08		(NONE)	Sample Type	QC	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	103	% Rec	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	1670	% Rec	10	1
	04/09/08		(NONE)	Well ID	MW-3	None	0.0000	1
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	90.9	% Rec	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	84	% Rec	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	94	% Rec	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	74	% Rec		



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
Volatile Organics HSL								
03/18/08	416949	(ML/EPA 8260	)	1,1,1,2-Tetrachloroethane	107	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,1,2-Trichloroethane (1,1,2-T	105	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,1-Dichloroethylene (1,1DCE)	124	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,1-Dichloroethane	108	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,2,3-Trichloropropane	145	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	o-Dichlorobenzene (1,2-DCB)	105	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,2-Dichloroethane	105	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	1,2-Dichloropropane	107	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	p-Dichlorobenzene (1,4-DCB)	109	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	trans-1,4-dichloro-2-butene	99	% Rec	10	1
03/18/08	416949	(ML/EPA 8260	)	2-Butanone (MEK)	104	% Rec	10	1
03/18/08	416949	(ML/EPA 8260	)	2-Hexanone	108	% Rec	10	1
03/18/08	416949	(ML/EPA 8260	)	4-Methyl-2-Pentanone (MIBK)	112	% Rec	10	1
03/18/08	416949	(ML/EPA 8260	)	Acetone	84	% Rec	10	1
03/18/08	416949	(ML/EPA 8260	)	Acrylonitrile	110	% Rec	50	1
03/18/08	416949	(ML/EPA 8260	)	Benzene	103	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	cis-1,2-Dichloroethene	105	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Chlorobenzene	102	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	cis-1,3-Dichloropropene	102	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Bromoform	98	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Chloroform (Trichloromethane)	106	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Bromochloromethane	109	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Chloroethane	120	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Carbon disulfide	116	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Carbon Tetrachloride	117	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Dibromochloromethane	98	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Dibromomethane	105	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Dichlorobromomethane	103	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Ethyl benzene	110	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Iodomethane	95	% Rec	0.10	1
03/18/08	416949	(ML/EPA 8260	)	Methyl Bromide	113	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Methyl Chloride	107	% Rec	0.50	1
03/18/08	416949	(ML/EPA 8260	)	Methylene Chloride	103	% Rec	3.0	1



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
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	97	% Rec	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	110	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	112	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	94	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	112	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	116	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	105	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	115	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	104	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	109	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	107	% Rec	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	116	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	92	% Rec	10	1
			(Surrogate)	1,2-Dichloroethane-d4 (70-130)	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene (70-130)	100	% Rec		
			(Surrogate)	Toluene-d8 (70-130)	101	% Rec		

85A-108 MSD (2803060177)

Sampled on 03/06/08

	03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	87.2	% Rec	0.50	1
	03/07/08	415322	(SM 2320B)	Alkalinity in CaCO3 units	90	% Rec	2.0	1
	03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	106	% Rec	1.0	1
	03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	97.9	% Rec	2.0	1
	03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	94.5	% Rec	0.50	1
	03/25/08	417940	(ML/EPA 300)	Chloride	101	% Rec	25	50
	03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	98.6	% Rec	2.0	1
	03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	103	% Rec	1.0	1
	03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	96.6	% Rec	2.0	1
	03/17/08	416598	(SM 4500F-C)	Fluoride	126	% Rec	0.050	1
	03/18/08	416718	(EPA 245.1)	Mercury	101	% Rec	0.20	1
	03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	92.8	% Rec	5.0	1
	03/17/08	416577	(EPA 353.2)	Nitrate + Nitrite as N by RFA	97	% Rec	0.030	1
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	94.5	% Rec	0.50	1
	04/09/08		(NONE)	Sample Type	QC	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	104	% Rec	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	1680	% Rec	10	1
	04/09/08		(NONE)	Well ID	MW-3	None	0.0000	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	92.8	% Rec	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	88	% Rec	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	97	% Rec	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	75	% Rec		
Volatile Organics HSL								
	03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	105	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T)	110	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCE)	126	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	112	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	145	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	104	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	108	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	104	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	110	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	99	% Rec	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	107	% Rec	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Hexanone	112	% Rec	10	1
	03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	114	% Rec	10	1
	03/18/08	416949	(ML/EPA 8260)	Acetone	85	% Rec	10	1
	03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	108	% Rec	50	1
	03/18/08	416949	(ML/EPA 8260)	Benzene	105	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	10.8	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	104	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	102	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromoform	102	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	109	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	109	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroethane	110	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	120	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	118	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	103	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	110	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	107	% Rec	0.50	1



MWH Laboratories
A Division of MWH Americas, Inc.

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
#232971**

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	111	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Iodomethane	9.79	% Rec	0.10	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	114	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	106	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	107	% Rec	3.0	1
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	100	% Rec	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	109	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	115	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	9.82	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	11.7	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	120	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	107	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	11.5	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	103	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	109	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	108	% Rec	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	122	% Rec	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	97	% Rec	10	1
			(Surrogate)	1,2-Dichloroethane-d4(70-130)	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene(70-130)	97	% Rec		
			(Surrogate)	Toluene-d8(70-130)	104	% Rec		

85B-108 (2803060178)

Sampled on 03/06/08

03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
03/07/08	415322	(SM 2320B)	Alkalinity in CaCO3 units	2.0	mg/l	2.0	1
03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	ND	ug/l	1.0	1
03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	ND	ug/l	2.0	1
03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
03/21/08	417943	(ML/EPA 300)	Chloride	ND	mg/l	2.5	5
03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	ND	ug/l	2.0	1
03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
03/17/08	416596	(SM 4500F-C)	Fluoride	ND	mg/l	0.050	1
03/18/08	416718	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
03/17/08	416577	(EPA 353.2)	Nitrate + Nitrite as N by RFA	ND	mg/l	0.030	1



MWH Laboratories

A Division of MWH Americas, Inc.

750 Foyal 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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	04/09/08		(NONE)	Sample Type	FB	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	2220	mg/l	10	1
	04/09/08		(NONE)	Well ID	MW-3	None	0.0000	1
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	85	% Rec		
Volatile Organics HSL								
	03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acetone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
	03/18/08	416949	(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1



MWH Laboratories
A Division of MWH Americas, Inc.

750 Foyal 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
#232971**

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4(70-130)	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene(70-130)	98	% Rec		
			(Surrogate)	Toluene-d8(70-130)	95	% Rec		

85C-108 (2803060179)

Sampled on 03/06/08

03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
03/07/08	415324	(SM 2320B)	Alkalinity in CaCO3 units	107	mg/l	2.0	1
03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	4.4	ug/l	1.0	1
03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	65	ug/l	2.0	1
03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
03/25/08	417940	(ML/EPA 300)	Chloride	850	mg/l	25	50
03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	ND	ug/l	2.0	1
03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	3.7	ug/l	1.0	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	03/17/08	416596	(SM 4500F-C)	Fluoride	3.6	mg/l	0.050	1
	03/18/08	416718	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	8.3	ug/l	5.0	1
	03/18/08	416745	(EPA 353.2)	Nitrate + Nitrite as N by RFA	6.1	mg/l	0.15	5
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	04/09/08		(NONE)	Sample Type	FO	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	5	ug/l	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
	04/09/08		(NONE)	Well ID	MW-4	None	0.0000	1
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	80	% Rec		
Volatile Organics HSL								
	03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acetone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
	03/18/08	416949	(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1



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
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4 (70-130)	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene (70-130)	96	% Rec		
			(Surrogate)	Toluene-d8 (70-130)	94	% Rec		



MWH Laboratories

A Division of MWH Americas, Inc.

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
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
85D-108 (2803060180)		Sampled on 03/06/08						
	03/14/08	416285	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	03/10/08	415826	(SM 2320B)	Alkalinity in CaCO3 units	108	mg/l	2.0	1
	03/14/08	416273	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	4.5	ug/l	1.0	1
	03/14/08	416297	(ML/EPA 200.8)	Barium, Total, ICAP/MS	65	ug/l	2.0	1
	03/14/08	416289	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	03/25/08	417940	(ML/EPA 300)	Chloride	850	mg/l	25	50
	03/14/08	416257	(ML/EPA 200.8)	Cobalt, Total, ICAP/MS	ND	ug/l	2.0	1
	03/14/08	416242	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	4.1	ug/l	1.0	1
	03/14/08	416265	(ML/EPA 200.8)	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	03/17/08	416596	(SM 4500F-C)	Fluoride	3.8	mg/l	0.050	1
	03/18/08	416718	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	03/14/08	416261	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	5.9	ug/l	5.0	1
	03/18/08	416745	(EPA 353.2)	Nitrate + Nitrite as N by RPA	6.0	mg/l	0.15	5
	03/14/08	416305	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	04/09/08		(NONE)	Sample Type	FD	None	0.0000	1
	03/14/08	416277	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	5.3	ug/l	5.0	1
03/10/08	03/10/08	415791	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	2260	mg/l	10	1
	04/09/08		(NONE)	Well ID	MW-4	None	0.0000	1
	03/14/08	416269	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1
EPA Method 8011								
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/12/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	86	% Rec		
Volatile Organics HSL								
	03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1



750 Foyal 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
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acetone	ND	ug/l	10	1
	03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
	03/18/08	416949	(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4 (70-130)	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene (70-130)	97	% Rec		
			(Surrogate)	Toluene-d8 (70-130)	92	% Rec		

85ATB-108 (2803060185) Sampled on 03/06/08

EPA Method 8011

03/12/08	03/13/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/13/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane (60-140)	56	% Rec		

Volatile Organics HSL

03/18/08	416949	(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCB)	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
03/18/08	416949	(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
03/18/08	416949	(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
03/18/08	416949	(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
03/18/08	416949	(ML/EPA 8260)	Acetone	ND	ug/l	10	1
03/18/08	416949	(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
03/18/08	416949	(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
03/18/08	416949	(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1



MWH Laboratories

A Division of MWH Americas, Inc.

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
#232971

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
03/18/08	03/18/08	416949	(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1
03/18/08	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
03/18/08	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4(70-130)	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene(70-130)	102	% Rec		
			(Surrogate)	Toluene-d8(70-130)	95	% Rec		

85CTB-108 (2803060186)

Sampled on 03/06/08

EPA Method 8011

03/12/08	03/13/08	415841	(ML/EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/l	0.010	1
03/12/08	03/13/08	415841	(ML/EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/l	0.010	1
			(Surrogate)	1,2-dibromopropane(60-140)	75	% Rec		



750 Royal Oaks Drive, Suite 100
 Monrovia, California 91016-3829
 Tel: 626 386 1100
 Fax: 626 386 1101
 1 800 586 LABS (1 800 566 5227)

Laboratory
 Report
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
Volatile Organics HSL								
03/18/08	416949		(ML/EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,1-Dichloroethylene (1,1DCB)	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,1-Dichloroethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,2-Dichloroethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	1,2-Dichloropropane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/l	10	1
03/18/08	416949		(ML/EPA 8260)	2-Butanone (MEK)	ND	ug/l	10	1
03/18/08	416949		(ML/EPA 8260)	2-Hexanone	ND	ug/l	10	1
03/18/08	416949		(ML/EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	10	1
03/18/08	416949		(ML/EPA 8260)	Acetone	ND	ug/l	10	1
03/18/08	416949		(ML/EPA 8260)	Acrylonitrile	ND	ug/l	50	1
03/18/08	416949		(ML/EPA 8260)	Benzene	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Chlorobenzene	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Bromoform	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Bromochloromethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Chloroethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Carbon disulfide	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Carbon Tetrachloride	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Dibromochloromethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Dibromomethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Dichlorobromomethane	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Ethyl benzene	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Iodomethane	ND	ug/l	0.10	1
03/18/08	416949		(ML/EPA 8260)	Methyl Bromide	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Methyl Chloride	ND	ug/l	0.50	1
03/18/08	416949		(ML/EPA 8260)	Methylene Chloride	ND	ug/l	3.0	1



750 Foyal Oaks Drive, Suite 100
 Monrovia, California 91016-3629
 Tel: 626 388 1100
 Fax: 626 388 1101
 1 800 566 LABS (1 800 566 5227)

Laboratory
 Report
 #232971

City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	03/18/08	416949	(ML/EPA 8260B)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	1.0	1
	03/18/08	416949	(ML/EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Styrene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Trichlorofluoromethane	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Toluene	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Total Xylenes	ND	ug/l	1.5	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
	03/18/08	416949	(ML/EPA 8260)	Vinyl Acetate	ND	ug/l	10	1
			(Surrogate)	1,2-Dichloroethane-d4 (70-130)	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene (70-130)	97	% Rec		
			(Surrogate)	Toluene-d8 (70-130)	92	% Rec		



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
QC Summary
#232971

City of Phoenix

QC Ref #0 - Metals Turbidity Analysis Date: 03/07/2008

2803060173	85A-108	Analyzed by: jrf
2803060173	85A-108	Analyzed by: jrf
2803060176	85A-108 MS	Analyzed by: jrf
2803060176	85A-108 MS	Analyzed by: jrf
2803060177	85A-108 MSD	Analyzed by: jrf
2803060177	85A-108 MSD	Analyzed by: jrf
2803060178	85B-108	Analyzed by: jrf
2803060178	85B-108	Analyzed by: jrf
2803060179	85C-108	Analyzed by: jrf
2803060179	85C-108	Analyzed by: jrf
2803060180	85D-108	Analyzed by: jrf
2803060180	85D-108	Analyzed by: jrf

QC Ref #415322 - Alkalinity in CaCO3 units Analysis Date: 03/07/2008

2803060173	85A-108	Analyzed by: anh
2803060176	85A-108 MS	Analyzed by: anh
2803060177	85A-108 MSD	Analyzed by: anh
2803060178	85B-108	Analyzed by: anh

QC Ref #415324 - Alkalinity in CaCO3 units Analysis Date: 03/07/2008

2803060179	85C-108	Analyzed by: anh
------------	---------	------------------

QC Ref #415791 - Total Dissolved Solid (TDS) Analysis Date: 03/10/2008

2803060173	85A-108	Analyzed by: axa
2803060176	85A-108 MS	Analyzed by: axa
2803060177	85A-108 MSD	Analyzed by: axa
2803060178	85B-108	Analyzed by: axa
2803060179	85C-108	Analyzed by: axa
2803060180	85D-108	Analyzed by: axa

QC Ref #415826 - Alkalinity in CaCO3 units Analysis Date: 03/10/2008

2803060180	85D-108	Analyzed by: anh
------------	---------	------------------



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
QC Summary
#232971

City of Phoenix
(continued)

QC Ref #415841 - EPA Method 8011

Analysis Date: 03/12/2008

2803060173	85A-108	Analyzed by: mcp
2803060176	85A-108 MS	Analyzed by: mcp
2803060177	85A-108 MSD	Analyzed by: mcp
2803060178	85B-108	Analyzed by: mcp
2803060179	85C-108	Analyzed by: mcp
2803060180	85D-108	Analyzed by: mcp
2803060185	85ATB-108	Analyzed by: mcp
2803060186	85CTB-108	Analyzed by: mcp

QC Ref #416242 - Chromium, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416257 - Cobalt, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416261 - Nickel, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh



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
QC Summary
#232971

City of Phoenix
(continued)

QC Ref #416265 - Copper, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416269 - Zinc, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416273 - Arsenic, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416277 - Selenium, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Summary
#232971

City of Phoenix
(continued)

QC Ref #416285 - Silver, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416289 - Cadmium, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416297 - Barium, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh

QC Ref #416305 - Lead, Total, ICAP/MS

Analysis Date: 03/14/2008

2803060173	85A-108	Analyzed by: dyh
2803060176	85A-108 MS	Analyzed by: dyh
2803060177	85A-108 MSD	Analyzed by: dyh
2803060178	85B-108	Analyzed by: dyh
2803060179	85C-108	Analyzed by: dyh
2803060180	85D-108	Analyzed by: dyh



750 Foyal 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
QC Summary
#232971

City of Phoenix
(continued)

QC Ref #416577 - Nitrate + Nitrite as N by RFA Analysis Date: 03/17/2008

2803060173	85A-108	Analyzed by: lupe
2803060176	85A-108 MS	Analyzed by: lupe
2803060177	85A-108 MSD	Analyzed by: lupe
2803060178	85B-108	Analyzed by: lupe

QC Ref #416596 - Fluoride

Analysis Date: 03/17/2008

2803060178	85B-108	Analyzed by: yvette
2803060179	85C-108	Analyzed by: yvette
2803060180	85D-108	Analyzed by: yvette

QC Ref #416598 - Fluoride

Analysis Date: 03/17/2008

2803060173	85A-108	Analyzed by: yvette
2803060176	85A-108 MS	Analyzed by: yvette
2803060177	85A-108 MSD	Analyzed by: yvette

QC Ref #416718 - Mercury

Analysis Date: 03/18/2008

2803060173	85A-108	Analyzed by: azs
2803060176	85A-108 MS	Analyzed by: azs
2803060177	85A-108 MSD	Analyzed by: azs
2803060178	85B-108	Analyzed by: azs
2803060179	85C-108	Analyzed by: azs
2803060180	85D-108	Analyzed by: azs

QC Ref #416745 - Nitrate + Nitrite as N by RFA Analysis Date: 03/18/2008

2803060179	85C-108	Analyzed by: lupe
2803060180	85D-108	Analyzed by: lupe



MWH Laboratories
A Division of MWH Americas, Inc.

750 Foyal Oaks Drive, Suite 100
Monrovia, California 91016-9629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Summary
#232971

City of Phoenix
(continued)

QC Ref #416949 - Volatile Organics HSL

Analysis Date: 03/18/2008

2803060173	85A-108	Analyzed by: mad
2803060176	85A-108 MS	Analyzed by: mad
2803060177	85A-108 MSD	Analyzed by: mad
2803060178	85B-108	Analyzed by: mad
2803060179	85C-108	Analyzed by: mad
2803060180	85D-108	Analyzed by: mad
2803060185	85ATB-108	Analyzed by: mad
2803060186	85CTB-108	Analyzed by: mad

QC Ref #417940 - Chloride

Analysis Date: 03/25/2008

2803060173	85A-108	Analyzed by: mal
2803060176	85A-108 MS	Analyzed by: mal
2803060177	85A-108 MSD	Analyzed by: mal
2803060179	85C-108	Analyzed by: mal
2803060180	85D-108	Analyzed by: mal

QC Ref #417943 - Chloride

Analysis Date: 03/21/2008

2803060178	85B-108	Analyzed by: mal
------------	---------	------------------



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix

QC Ref #415322

Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060173	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	104	MGL	104.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	100	MGL	100.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.31	MGL	65.5	(50-150)	
MS	Alkalinity in CaCO3 units	100	92.0	MGL	92.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	99.0	MGL	99.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	90.0	MGL	90.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	97.0	MGL	97.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	104.000	100.000	MGL	3.9	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	92.000	90.000	MGL	2.2	(0-20)	

QC Ref #415324

Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060179	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	100	MGL	100.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.31	MGL	65.5	(50-150)	
MS	Alkalinity in CaCO3 units	100	85.0	MGL	85.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	78.0	MGL	<u>78.0</u>	(80-120)	
MSD	Alkalinity in CaCO3 units	100	92.0	MGL	92.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	75.0	MGL	<u>75.0</u>	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	100.000	102.000	MGL	2.0	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	85.000	92.000	MGL	7.9	(0-20)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix
(continued)

QC Ref #415791 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	696	MGL	99.4	(80-114)	
AASPKSMP	Spiked sample	Lab # 28	02060275	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	258	256	MGL		(0-10)	0.8
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

QC Ref #415826 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060180	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	100	MGL	100.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.52	MGL	126.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	94	MGL	94.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	94	MGL	94.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	91	MGL	91.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	96	MGL	96.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	102.000	100.000	MGL	2.0	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	94.000	91.000	MGL	3.2	(0-20)	

QC Ref #415841 EPA Method 8011

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060176	NONE		(0-0)	
LCS2	Dibromochloropropane (DBCP)	0.25	0.233	UGL	93.2	(60-140)	
MBLK	Dibromochloropropane (DBCP)	ND	<0.01	UGL			
MRL_CHK	Dibromochloropropane (DBCP)	0.01	0.0091	UGL	91.0	(60-140)	
MS	Dibromochloropropane (DBCP)	0.25	0.209	UGL	83.6	(60-140)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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

Laboratory
QC Report
#232971

City of Phoenix
(continued)

Method	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MSD	Dibromochloropropane (DBCP)	0.25	0.221	UGL	88.4	(60-140)	
LCS2	Ethylene Dibromide (EDB)	0.25	0.251	UGL	100.4	(60-140)	
MBLK	Ethylene Dibromide (EDB)	ND	<0.01	UGL			
MRL_CHK	Ethylene Dibromide (EDB)	0.01	0.0102	UGL	102.0	(60-140)	
MS	Ethylene Dibromide (EDB)	0.25	0.234	UGL	93.6	(60-140)	
MSD	Ethylene Dibromide (EDB)	0.25	0.243	UGL	97.2	(60-140)	
LCS2	1,2-dibromopropane (surr)	100	82	%R	82.0	(60-140)	
MBLK	1,2-dibromopropane (surr)	100	80	%R	80.0		
MRL_CHK	1,2-dibromopropane (surr)	100	84	%R	84.0	(60-140)	
MS	1,2-dibromopropane (surr)	100	74	%R	74.0	(60-140)	
MSD	1,2-dibromopropane (surr)	100	75	%R	75.0	(60-140)	

QC Ref #416242

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	95.1	UGL	95.1	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	94.6	UGL	94.6	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.04	UGL	104.0	(50-150)	
MS	Chromium, Total, ICAP/MS	100	99.9	UGL	99.9	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	103	UGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	103	UGL	103.0	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	102	UGL	102.0	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	95.100	94.600	UGL	0.5	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	99.900	103.000	UGL	3.1	(0-20)	

QC Ref #416257

Cobalt, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Cobalt, Total, ICAP/MS	100	98.7	UGL	98.7	(85-115)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix
(continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS2	Cobalt, Total, ICAP/MS	100	102	UGL	102.0	(85-115)	
MBLK	Cobalt, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Cobalt, Total, ICAP/MS	2.00	2.12	UGL	106.0	(50-150)	
MS	Cobalt, Total, ICAP/MS	100	101	UGL	101.0	(70-130)	
MS2	Cobalt, Total, ICAP/MS	100	109	UGL	109.0	(70-130)	
MSD	Cobalt, Total, ICAP/MS	100	98.6	UGL	98.6	(70-130)	
MSD2	Cobalt, Total, ICAP/MS	100	112	UGL	112.0	(70-130)	
RPD_MS	Cobalt, Total, ICAP/MS	101.000	98.600	UGL	2.4	(0-20)	

QC Ref #416261 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	47.5	UGL	95.0	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	49.1	UGL	98.2	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.09	UGL	101.8	(50-150)	
MS	Nickel, Total, ICAP/MS	50	46.2	UGL	92.4	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	53.5	UGL	107.0	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	46.4	UGL	92.8	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	54.3	UGL	108.6	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	95.000	98.200	UGL	3.3	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	92.400	92.800	UGL	0.4	(0-20)	

QC Ref #416265 Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	101	UGL	101.0	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	98.0	UGL	98.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.12	UGL	106.0	(50-150)	

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.

City of Phoenix
 (continued)

MS	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Copper, Total, ICAP/MS	100	92.3	UGL	92.3	(70-130)	
MS2	Copper, Total, ICAP/MS	100	109	UGL	109.0	(70-130)	
MSD	Copper, Total, ICAP/MS	100	96.6	UGL	96.6	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	114	UGL	114.0	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	101.000	98.000	UGL	3.0	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	92.300	96.600	UGL	4.6	(0-20)	

QC Ref #416269 Zinc, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Zinc, Total, ICAP/MS	100	96.5	UGL	96.5	(85-115)	
LCS2	Zinc, Total, ICAP/MS	100	96.2	UGL	96.2	(85-115)	
MBLK	Zinc, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Zinc, Total, ICAP/MS	20.0	20.4	UGL	102.0	(50-150)	
MS	Zinc, Total, ICAP/MS	100	90.9	UGL	90.9	(70-130)	
MS2	Zinc, Total, ICAP/MS	100	120	UGL	120.0	(70-130)	
MSD	Zinc, Total, ICAP/MS	100	92.8	UGL	92.8	(70-130)	
MSD2	Zinc, Total, ICAP/MS	100	120	UGL	120.0	(70-130)	
RPD_LCS	Zinc, Total, ICAP/MS	96.500	96.200	UGL	0.3	(0-20)	
RPD_MS	Zinc, Total, ICAP/MS	90.900	92.800	UGL	2.1	(0-20)	

QC Ref #416273 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	19.1	UGL	95.5	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.07	UGL	107.0	(50-150)	
MS	Arsenic, Total, ICAP/MS	20	20.9	UGL	104.5	(70-130)	
MS2	Arsenic, Total, ICAP/MS	20	23.0	UGL	115.0	(70-130)	

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.

City of Phoenix
 (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MSD	Arsenic, Total, ICAP/MS	20	21.2	UGL	106.0	(70-130)	
MSD2	Arsenic, Total, ICAP/MS	20	23.2	UGL	116.0	(70-130)	
RPD_LCS	Arsenic, Total, ICAP/MS	95.500	97.500	UGL	2.1	(0-20)	
RPD_MS	Arsenic, Total, ICAP/MS	104.500	106.000	UGL	1.4	(0-20)	

QC Ref #416277 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	19.7	UGL	98.5	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.20	UGL	104.0	(50-150)	
MS	Selenium, Total, ICAP/MS	20	20.5	UGL	102.5	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	25.3	UGL	126.5	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	20.8	UGL	104.0	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	25.6	UGL	128.0	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	98.500	97.500	UGL	1.0	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	102.500	104.000	UGL	1.5	(0-20)	

QC Ref #416285 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	50.7	UGL	101.4	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	51.0	UGL	102.0	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.555	UGL	111.0	(50-150)	
MS	Silver, Total, ICAP/MS	50	43.0	UGL	86.0	(70-130)	
MS2	Silver, Total, ICAP/MS	50	53.2	UGL	106.4	(70-130)	
MSD	Silver, Total, ICAP/MS	50	43.5	UGL	87.0	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	55.4	UGL	110.8	(70-130)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix
(continued)

RPD_LCS	Silver, Total, ICAP/MS	101.400	102.000	UGL	0.6	(0-20)
RPD_MS	Silver, Total, ICAP/MS	86.000	87.000	UGL	1.2	(0-20)

QC Ref #416289 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.533	UGL	106.6	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	18.7	UGL	93.5	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	18.9	UGL	94.5	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	97.500	97.500	UGL	0.0	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	93.500	94.500	UGL	1.1	(0-20)	

QC Ref #416297 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	98.1	UGL	98.1	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	97.7	UGL	97.7	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.10	UGL	105.0	(50-150)	
MS	Barium, Total, ICAP/MS	100	96.4	UGL	96.4	(70-130)	
MS2	Barium, Total, ICAP/MS	100	106	UGL	106.0	(70-130)	
MSD	Barium, Total, ICAP/MS	100	97.9	UGL	97.9	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	116	UGL	116.0	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	98.100	97.700	UGL	0.4	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	96.400	97.900	UGL	1.5	(0-20)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix
(continued)

QC Ref #416305 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	02270289	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	19.9	UGL	99.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	20.4	UGL	102.0	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.531	UGL	106.2	(50-150)	
MS	Lead, Total, ICAP/MS	20	18.7	UGL	93.5	(70-130)	
MS2	Lead, Total, ICAP/MS	20	21.7	UGL	108.5	(70-130)	
MSD	Lead, Total, ICAP/MS	20	18.9	UGL	94.5	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	22.7	UGL	113.5	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	99.500	102.000	UGL	2.5	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	93.500	94.500	UGL	1.1	(0-20)	

QC Ref #416577 Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	03060173	MGL	0.0	(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.97	MGL	97.0	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.94	MGL	94.0	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.030	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.030	0.0264	MGL	88.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1	0.91	MGL	91.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.97	MGL	97.0	(90-110)	

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.

City of Phoenix
 (continued)

QC Ref #416596
Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060126	MGL		(0-0)	
CCC3	Fluoride	10.0	10.3	MGL	103.0	(81-116)	
CCCL	Fluoride	0.5	0.509	MGL	101.8	(81-116)	
CCCS	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
LCS1	Fluoride	1.00	0.985	MGL	98.5	(81-116)	
LCS2	Fluoride	1.00	1.03	MGL	103.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
MS	Fluoride	1.00	0.980	MGL	98.0	(73-124)	
MS2	Fluoride	1.00	0.970	MGL	97.0	(73-124)	
MSD	Fluoride	1.00	0.993	MGL	99.3	(73-124)	
MSD2	Fluoride	1.00	1.00	MGL	100.0	(73-124)	
RPD_LCS	Fluoride	98.500	103.000	MGL	4.5	(0-20)	
RPD_MS	Fluoride	98.000	99.300	MGL	1.3	(0-20)	

QC Ref #416598
Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060173	MGL		(0-0)	
CCC3	Fluoride	10.0	10.3	MGL	103.0	(81-116)	
CCCL	Fluoride	0.5	0.509	MGL	101.8	(81-116)	
CCCS	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
LCS1	Fluoride	1.00	1.06	MGL	106.0	(81-116)	
LCS2	Fluoride	1.00	1.04	MGL	104.0	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
MS	Fluoride	1.00	1.18	MGL	118.0	(73-124)	
MSD	Fluoride	1.00	1.26	MGL	<u>126.0</u>	(73-124)	
RPD_LCS	Fluoride	106.000	104.000	MGL	1.9	(0-20)	
RPD_MS	Fluoride	118.000	126.000	MGL	6.6	(0-20)	

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.



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
 QC Report
 #232971

City of Phoenix
 (continued)

QC Ref #416718

Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	03060173	UGL		(0-0)	
LCS1	Mercury	1.50	1.48	UGL	98.7	(85-115)	
LCS2	Mercury	1.50	1.48	UGL	98.7	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.201	UGL	100.5	(50-150)	
MS	Mercury	1.50	1.50	UGL	100.0	(70-130)	
MSD	Mercury	1.50	1.51	UGL	100.7	(70-130)	
RPD_LCS	Mercury	98.667	98.667	UGL	0.0	(0-20)	
RPD_MS	Mercury	100.000	100.667	UGL	0.7	(0-20)	

QC Ref #416745

Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	03060179	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.92	MGL	92.0	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.96	MGL	96.0	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.030	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.030	0.0225	MGL	75.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1	0.95	MGL	95.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	1.01	MGL	101.0	(90-110)	

QC Ref #416949

Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	5.0	4.63	UGL	92.6	(70-130)	
LCS2	1,1,1,2-Tetrachloroethane	5.0	4.70	UGL	94.0	(70-130)	
MBLK	1,1,1,2-Tetrachloroethane	ND	<0.5	UGL			
MS	1,1,1,2-Tetrachloroethane	10.0	10.7	UGL	107.0	(70-130)	
MSD	1,1,1,2-Tetrachloroethane	10.0	10.5	UGL	105.0	(70-130)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3829
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#232971

City of Phoenix (continued)

LCS1	1,1,2-Trichloroethane (1,1,2-T	5.0	4.89	UGL	97.8	(70-130)
LCS2	1,1,2-Trichloroethane (1,1,2-T	5.0	4.75	UGL	95.0	(70-130)
MBLK	1,1,2-Trichloroethane (1,1,2-T	ND	<0.5	UGL		
MS	1,1,2-Trichloroethane (1,1,2-T	10.0	10.5	UGL	105.0	(70-130)
MSD	1,1,2-Trichloroethane (1,1,2-T	10.0	11.0	UGL	110.0	(70-130)
LCS1	1,1-Dichloroethylene (1,1DCE)	5.0	5.63	UGL	112.6	(70-130)
LCS2	1,1-Dichloroethylene (1,1DCE)	5.0	5.36	UGL	107.2	(70-130)
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL		
MS	1,1-Dichloroethylene (1,1DCE)	10.0	12.4	UGL	124.0	(70-130)
MSD	1,1-Dichloroethylene (1,1DCE)	10.0	12.6	UGL	126.0	(70-130)
LCS1	1,1-Dichloroethane	5.0	4.70	UGL	94.0	(70-130)
LCS2	1,1-Dichloroethane	5.0	4.65	UGL	93.0	(70-130)
MBLK	1,1-Dichloroethane	ND	<0.5	UGL		
MS	1,1-Dichloroethane	10.0	10.8	UGL	108.0	(70-130)
MSD	1,1-Dichloroethane	10.0	11.2	UGL	112.0	(70-130)
LCS1	1,2,3-Trichloropropane	5.0	6.42	UGL	128.4	(70-130)
LCS2	1,2,3-Trichloropropane	5.0	6.39	UGL	127.8	(70-130)
MBLK	1,2,3-Trichloropropane	ND	<0.5	UGL		
MS	1,2,3-Trichloropropane	10.0	14.5	UGL	<u>145.0</u>	(70-130)
MSD	1,2,3-Trichloropropane	10.0	14.5	UGL	<u>145.0</u>	(70-130)
LCS1	o-Dichlorobenzene (1,2-DCB)	5.0	4.63	UGL	92.6	(70-130)
LCS2	o-Dichlorobenzene (1,2-DCB)	5.0	4.68	UGL	93.6	(70-130)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL		
MS	o-Dichlorobenzene (1,2-DCB)	10.0	10.5	UGL	105.0	(70-130)
MSD	o-Dichlorobenzene (1,2-DCB)	10.0	10.4	UGL	104.0	(70-130)
LCS1	1,2-Dichloroethane	5.0	4.89	UGL	97.8	(70-130)
LCS2	1,2-Dichloroethane	5.0	4.91	UGL	98.2	(70-130)
MBLK	1,2-Dichloroethane	ND	<0.5	UGL		
MS	1,2-Dichloroethane	10.0	10.5	UGL	105.0	(70-130)
MSD	1,2-Dichloroethane	10.0	10.8	UGL	108.0	(70-130)
LCS1	1,2-Dichloropropane	5.0	4.55	UGL	91.0	(70-130)
LCS2	1,2-Dichloropropane	5.0	4.69	UGL	93.8	(70-130)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10.0	10.7	UGL	107.0	(70-130)
MSD	1,2-Dichloropropane	10.0	10.4	UGL	104.0	(70-130)
LCS1	p-Dichlorobenzene (1,4-DCB)	5.0	4.71	UGL	94.2	(70-130)

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
 QC Report
 #232971

City of Phoenix (continued)

LCS2	p-Dichlorobenzene (1,4-DCB)	5.0	4.57	UGL	91.4	(70-130)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10.0	10.9	UGL	109.0	(70-130)
MSD	p-Dichlorobenzene (1,4-DCB)	10.0	11.0	UGL	110.0	(70-130)
LCS1	trans-1,4-dichloro-2-butene	5.0	4.94	UGL	98.8	(70-130)
LCS2	trans-1,4-dichloro-2-butene	5.0	5.18	UGL	103.6	(70-130)
MBLK	trans-1,4-dichloro-2-butene	ND	<10	UGL		
MS	trans-1,4-dichloro-2-butene	10.0	9.89	UGL	98.9	(70-130)
MSD	trans-1,4-dichloro-2-butene	10.0	9.94	UGL	99.4	(70-130)
LCS1	2-Butanone (MEK)	50.0	48.3	UGL	96.6	(70-130)
LCS2	2-Butanone (MEK)	50.0	47.6	UGL	95.2	(70-130)
MBLK	2-Butanone (MEK)	ND	<10	UGL		
MS	2-Butanone (MEK)	100	104	UGL	104.0	(70-130)
MSD	2-Butanone (MEK)	100	107	UGL	107.0	(70-130)
LCS1	2-Hexanone	50.0	48.8	UGL	97.6	(70-130)
LCS2	2-Hexanone	50.0	49.0	UGL	98.0	(70-130)
MBLK	2-Hexanone	ND	<10	UGL		
MS	2-Hexanone	100	108	UGL	108.0	(70-130)
MSD	2-Hexanone	100	112	UGL	112.0	(70-130)
LCS1	4-Methyl-2-Pentanone (MIBK)	50.0	49.5	UGL	99.0	(70-130)
LCS2	4-Methyl-2-Pentanone (MIBK)	50.0	47.2	UGL	94.4	(70-130)
MBLK	4-Methyl-2-Pentanone (MIBK)	ND	<10	UGL		
MS	4-Methyl-2-Pentanone (MIBK)	100	112	UGL	112.0	(70-130)
MSD	4-Methyl-2-Pentanone (MIBK)	100	114	UGL	114.0	(70-130)
MS	Spiked sample	Lab # 28	03060173	NONE	0.0	(0-0)
LCS1	Acetone	50.0	41.6	UGL	83.2	(70-130)
LCS2	Acetone	50.0	40.4	UGL	80.8	(70-130)
MBLK	Acetone	ND	<10	UGL		
MS	Acetone	100	84.2	UGL	84.2	(70-130)
MSD	Acetone	100	84.8	UGL	84.8	(70-130)
LCS1	Acrylonitrile	5.0	4.98	UGL	99.6	(70-130)
LCS2	Acrylonitrile	5.0	5.13	UGL	102.6	(70-130)
MBLK	Acrylonitrile	ND	<50	UGL		
MS	Acrylonitrile	10.0	11.0	UGL	110.0	(70-130)
MSD	Acrylonitrile	10.0	10.8	UGL	108.0	(70-130)
LCS1	Benzene	5.0	4.46	UGL	89.2	(70-130)

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.

City of Phoenix
 (continued)

LCS2	Benzene	5.0	4.32	UGL	86.4	(70-130)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10.0	10.3	UGL	103.0	(70-130)
MSD	Benzene	10.0	10.5	UGL	105.0	(70-130)
LCS1	cis-1,2-Dichloroethene	5.0	4.62	UGL	92.4	(70-130)
LCS2	cis-1,2-Dichloroethene	5.0	4.52	UGL	90.4	(70-130)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10.0	10.5	UGL	105.0	(70-130)
MSD	cis-1,2-Dichloroethene	10.0	10.8	UGL	108.0	(70-130)
LCS1	Chlorobenzene	5.0	4.42	UGL	88.4	(70-130)
LCS2	Chlorobenzene	5.0	4.42	UGL	88.4	(70-130)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10.0	10.2	UGL	102.0	(70-130)
MSD	Chlorobenzene	10.0	10.4	UGL	104.0	(70-130)
LCS1	cis-1,3-Dichloropropene	5.0	4.68	UGL	93.6	(70-130)
LCS2	cis-1,3-Dichloropropene	5.0	4.72	UGL	94.4	(70-130)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10.0	10.2	UGL	102.0	(70-130)
MSD	cis-1,3-Dichloropropene	10.0	10.2	UGL	102.0	(70-130)
LCS1	Bromoform	5.0	4.54	UGL	90.8	(70-130)
LCS2	Bromoform	5.0	4.63	UGL	92.6	(70-130)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10.0	9.83	UGL	98.3	(70-130)
MSD	Bromoform	10.0	10.2	UGL	102.0	(70-130)
LCS1	Chloroform (Trichloromethane)	5.0	4.59	UGL	91.8	(70-130)
LCS2	Chloroform (Trichloromethane)	5.0	4.69	UGL	93.8	(70-130)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10.0	10.6	UGL	106.0	(70-130)
MSD	Chloroform (Trichloromethane)	10.0	10.9	UGL	109.0	(70-130)
LCS1	Bromochloromethane	5.0	5.08	UGL	101.6	(70-130)
LCS2	Bromochloromethane	5.0	4.91	UGL	98.2	(70-130)
MBLK	Bromochloromethane	ND	<0.5	UGL		
MS	Bromochloromethane	10.0	10.9	UGL	109.0	(70-130)
MSD	Bromochloromethane	10.0	10.9	UGL	109.0	(70-130)
LCS1	Chloroethane	5.0	5.50	UGL	110.0	(70-130)
LCS2	Chloroethane	5.0	4.82	UGL	96.4	(70-130)

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix (continued)

MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10.0	12.0	UGL	120.0	(70-130)
MSD	Chloroethane	10.0	11.0	UGL	110.0	(70-130)
LCS1	Carbon disulfide	5.0	5.16	UGL	103.2	(70-130)
LCS2	Carbon disulfide	5.0	5.01	UGL	100.2	(70-130)
MBLK	Carbon disulfide	ND	<0.5	UGL		
MS	Carbon disulfide	10.0	11.6	UGL	116.0	(70-130)
MSD	Carbon disulfide	10.0	12.0	UGL	120.0	(70-130)
LCS1	Carbon Tetrachloride	5.0	4.99	UGL	99.8	(70-130)
LCS2	Carbon Tetrachloride	5.0	4.83	UGL	96.6	(70-130)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10.0	11.7	UGL	117.0	(70-130)
MSD	Carbon Tetrachloride	10.0	11.8	UGL	118.0	(70-130)
LCS1	Dibromochloromethane	5.0	4.56	UGL	91.2	(70-130)
LCS2	Dibromochloromethane	5.0	4.43	UGL	88.6	(70-130)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10.0	9.78	UGL	97.8	(70-130)
MSD	Dibromochloromethane	10.0	10.3	UGL	103.0	(70-130)
LCS1	Dibromomethane	5.0	4.75	UGL	95.0	(70-130)
LCS2	Dibromomethane	5.0	4.86	UGL	97.2	(70-130)
MBLK	Dibromomethane	ND	<0.5	UGL		
MS	Dibromomethane	10.0	10.5	UGL	105.0	(70-130)
MSD	Dibromomethane	10.0	11.0	UGL	110.0	(70-130)
LCS1	Dichlorobromomethane	5.0	4.61	UGL	92.2	(70-130)
LCS2	Dichlorobromomethane	5.0	4.51	UGL	90.2	(70-130)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10.0	10.3	UGL	103.0	(70-130)
MSD	Dichlorobromomethane	10.0	10.7	UGL	107.0	(70-130)
LCS1	Ethyl benzene	5.0	4.57	UGL	91.4	(70-130)
LCS2	Ethyl benzene	5.0	4.48	UGL	89.6	(70-130)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10.0	11.0	UGL	110.0	(70-130)
MSD	Ethyl benzene	10.0	11.1	UGL	111.0	(70-130)
LCS1	Iodomethane	5.0	4.69	UGL	93.8	(70-130)
LCS2	Iodomethane	5.0	4.74	UGL	94.8	(70-130)
MBLK	Iodomethane	ND	<0.1	UGL		

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.

City of Phoenix
 (continued)

MS	Iodomethane	10.0	9.50	UGL	95.0	(70-130)
MSD	Iodomethane	10.0	9.79	UGL	97.9	(70-130)
LCS1	Methyl Bromide	5.0	5.34	UGL	106.8	(70-130)
LCS2	Methyl Bromide	5.0	5.43	UGL	108.6	(70-130)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10.0	11.3	UGL	113.0	(70-130)
MSD	Methyl Bromide	10.0	11.4	UGL	114.0	(70-130)
LCS1	Methyl Chloride	5.0	5.43	UGL	108.6	(70-130)
LCS2	Methyl Chloride	5.0	5.57	UGL	111.4	(70-130)
MBLK	Methyl Chloride	ND	<0.5	UGL		
MS	Methyl Chloride	10.0	10.6	UGL	106.0	(70-130)
MSD	Methyl Chloride	10.0	10.6	UGL	106.0	(70-130)
LCS1	Methylene Chloride	5.0	4.62	UGL	92.4	(70-130)
LCS2	Methylene Chloride	5.0	4.64	UGL	92.8	(70-130)
MBLK	Methylene Chloride	ND	<3.0	UGL		
MS	Methylene Chloride	10.0	10.3	UGL	103.0	(70-130)
MSD	Methylene Chloride	10.0	10.7	UGL	107.0	(70-130)
LCS1	Methyl Tert-butyl ether (MTBE)	5.0	4.52	UGL	90.4	(70-130)
LCS2	Methyl Tert-butyl ether (MTBE)	5.0	4.56	UGL	91.2	(70-130)
MBLK	Methyl Tert-butyl ether (MTBE)	ND	<1.0	UGL		
MS	Methyl Tert-butyl ether (MTBE)	10.0	9.74	UGL	97.4	(70-130)
MSD	Methyl Tert-butyl ether (MTBE)	10.0	9.99	UGL	99.9	(70-130)
LCS1	1,1,2,2-Tetrachloroethane	5.0	4.87	UGL	97.4	(70-130)
LCS2	1,1,2,2-Tetrachloroethane	5.0	4.95	UGL	99.0	(70-130)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10.0	11.0	UGL	110.0	(70-130)
MSD	1,1,2,2-Tetrachloroethane	10.0	10.9	UGL	109.0	(70-130)
LCS1	Tetrachloroethylene (PCE)	5.0	4.62	UGL	92.4	(70-130)
LCS2	Tetrachloroethylene (PCE)	5.0	4.68	UGL	93.6	(70-130)
MBLK	Tetrachloroethylene (PCE)	ND	<0.5	UGL		
MS	Tetrachloroethylene (PCE)	10.0	11.2	UGL	112.0	(70-130)
MSD	Tetrachloroethylene (PCE)	10.0	11.5	UGL	115.0	(70-130)
LCS1	Styrene	5.0	4.74	UGL	94.8	(70-130)
LCS2	Styrene	5.0	4.59	UGL	91.8	(70-130)
MBLK	Styrene	ND	<0.5	UGL		
MS	Styrene	10.0	9.38	UGL	93.8	(70-130)

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix (continued)

MSD	Styrene	10.0	9.82	UGL	98.2	(70-130)
LCS1	1,2-dichloroethane-d4	100	94	%R	94.0	(70-130)
LCS2	1,2-dichloroethane-d4	100	95	%R	95.0	(70-130)
MBLK	1,2-dichloroethane-d4	100	<u>97</u>	%R	<u>97.0</u>	
MS	1,2-dichloroethane-d4	100	100	%R	100.0	(70-130)
MSD	1,2-dichloroethane-d4	100	97	%R	97.0	(70-130)
LCS1	Toluene-d8	100	98	%R	98.0	(70-130)
LCS2	Toluene-d8	100	94	%R	94.0	(70-130)
MBLK	Toluene-d8	100	<u>92</u>	%R	<u>92.0</u>	
MS	Toluene-d8	100	101	%R	101.0	(70-130)
MSD	Toluene-d8	100	104	%R	104.0	(70-130)
LCS1	4-Bromofluorobenzene	100	100	%R	100.0	(70-130)
LCS2	4-Bromofluorobenzene	100	102	%R	102.0	(70-130)
MBLK	4-Bromofluorobenzene	100	<u>99</u>	%R	<u>99.0</u>	
MS	4-Bromofluorobenzene	100	102	%R	102.0	(70-130)
MSD	4-Bromofluorobenzene	100	102	%R	102.0	(70-130)
LCS1	trans-1,2-Dichloroethene	5.0	4.99	UGL	99.8	(70-130)
LCS2	trans-1,2-Dichloroethene	5.0	5.17	UGL	103.4	(70-130)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10.0	11.2	UGL	112.0	(70-130)
MSD	trans-1,2-Dichloroethene	10.0	11.7	UGL	117.0	(70-130)
LCS1	1,1,1-Trichloroethane	5.0	4.94	UGL	98.8	(70-130)
LCS2	1,1,1-Trichloroethane	5.0	4.79	UGL	95.8	(70-130)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10.0	11.6	UGL	116.0	(70-130)
MSD	1,1,1-Trichloroethane	10.0	12.0	UGL	120.0	(70-130)
LCS1	Trichloroethylene (TCE)	5.0	4.75	UGL	95.0	(70-130)
LCS2	Trichloroethylene (TCE)	5.0	4.67	UGL	93.4	(70-130)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10.0	10.5	UGL	105.0	(70-130)
MSD	Trichloroethylene (TCE)	10.0	10.7	UGL	107.0	(70-130)
LCS1	Trichlorofluoromethane	5.0	5.24	UGL	104.8	(70-130)
LCS2	Trichlorofluoromethane	5.0	5.00	UGL	100.0	(70-130)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10.0	11.5	UGL	115.0	(70-130)
MSD	Trichlorofluoromethane	10.0	11.5	UGL	115.0	(70-130)

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
 QC Report
 #232971

City of Phoenix (continued)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	trans-1,3-Dichloropropene	5.0	4.59	UGL	91.8	(70-130)	
LCS2	trans-1,3-Dichloropropene	5.0	4.50	UGL	90.0	(70-130)	
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL			
MS	trans-1,3-Dichloropropene	10.0	10.4	UGL	104.0	(70-130)	
MSD	trans-1,3-Dichloropropene	10.0	10.3	UGL	103.0	(70-130)	
LCS1	Toluene	5.0	4.61	UGL	92.2	(70-130)	
LCS2	Toluene	5.0	4.61	UGL	92.2	(70-130)	
MBLK	Toluene	ND	<0.5	UGL			
MS	Toluene	10.0	10.9	UGL	109.0	(70-130)	
MSD	Toluene	10.0	10.9	UGL	109.0	(70-130)	
LCS1	Total Xylenes	15.0	13.3	UGL	88.7	(70-130)	
LCS2	Total Xylenes	15.0	13.5	UGL	90.0	(70-130)	
MBLK	Total Xylenes	ND	<1.5	UGL			
MS	Total Xylenes	30.0	30.9	UGL	103.0	(70-130)	
MSD	Total Xylenes	30.0	33.1	UGL	110.3	(70-130)	
LCS1	Vinyl Chloride (VC)	5.0	5.47	UGL	109.4	(70-130)	
LCS2	Vinyl Chloride (VC)	5.0	5.53	UGL	110.6	(70-130)	
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL			
MS	Vinyl Chloride (VC)	10.0	11.6	UGL	116.0	(70-130)	
MSD	Vinyl Chloride (VC)	10.0	12.2	UGL	122.0	(70-130)	
LCS1	Vinyl Acetate	25.0	25.3	UGL	101.2	(70-130)	
LCS2	Vinyl Acetate	25.0	24.9	UGL	99.6	(70-130)	
MBLK	Vinyl Acetate	ND	<10	UGL			
MS	Vinyl Acetate	50.0	46.1	UGL	92.2	(70-130)	
MSD	Vinyl Acetate	50.0	48.7	UGL	97.4	(70-130)	

QC Ref #417940

Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	03060173	MGL		(0-0)	
LCS1	Chloride	25	25.9	MGL	103.6	(90-110)	
LCS2	Chloride	25	25.8	MGL	103.2	(90-110)	
MBLK	Chloride	ND	<0.50	MGL			
MRL_CHK	Chloride	0.500	0.436	MGL	87.2	(50-150)	
MS	Chloride	12.5	12.8	MGL	102.4	(74-126)	

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.



MWH Laboratories

A Division of MWH Americas, Inc.

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
QC Report
#232971

City of Phoenix
(continued)

MSD	Chloride	12.5	12.6	MGL	100.8	(74-126)
RPD_LCS	Chloride	103.600	103.200	MGL	0.4	(0-20)
RPD_MS	Chloride	102.400	100.800	MGL	1.6	(0-20)

QC Ref #417943

Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	03210236	MGL		(0-0)	
LCS1	Chloride	25	26.2	MGL	104.8	(90-110)	
LCS2	Chloride	25	26.0	MGL	104.0	(90-110)	
MBLK	Chloride	ND	<0.50	MGL			
MRL_CHK	Chloride	0.500	0.425	MGL	85.0	(50-150)	
MS	Chloride	12.5	13.1	MGL	104.8	(74-126)	
MSD	Chloride	12.5	13.1	MGL	104.8	(74-126)	
RPD_LCS	Chloride	104.800	104.000	MGL	0.8	(0-20)	
RPD_MS	Chloride	104.800	104.800	MGL	0.0	(0-20)	

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.



CHAIN OF CUSTODY RECORD

750 Royal Oaks, Suite 100
 Monrovia, California 91016
 Phone: (626) 386-1100
 (800) 566-5227
 Fax: (626) 386-1101

MWH LABS USE ONLY:

LOGIN COMMENTS:

SAMPLE TEMP RECEIVED AT:

Scottsdale 5.3 °C (Compliance: 4 +/- 2°C)

RECEIVED FROM CLIENT: REFRIGERATED ON ICE

Monrovia 2.0 °C (Compliance: 4 +/- 2°C)

CONDITION OF ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY, UTILITY or PROJECT:

City of Phoenix

SYSTEM #:

SR-85 LF

COMPLIANCE SAMPLES

- Requires state forms

NON-COMPLIANCE SAMPLES

REGULATION INVOLVED:

MWH LABS CLIENT CODE:

Phoenix-LF

P.O.# / JOB # / PROJECT:

ROUTINE SPECIAL CONFIRMATION

(Eg. SDWA, Phase V, NPDES, FDA,....)

SAMPLER PRINTED NAME AND SIGNATURE:

Hilary B Hartung

TAT requested: rush by adv notice only

STD. 1 week 3 day 2 day 1 day

STATION # or LOCATION

* MATRIX

GRAB

COMP

85A-108

85B-108

85C-108

85D-108

9/6 9:22

9:25

10:50

10:51

↓

↓

↓

↓

SR-85 QC

↓

↓

↓

ABW

↓

↓

↓

ABW

↓

↓

↓

ABW

↓

↓

↓

ABW

↓

↓

↓

ABW

↓

↓

↓

ABW

↓

↓

↓

No trip blanks at time of sampling please add trip blanks for each sample

to VDC 82604

VDC 8211 - for shipment to lab.

MATRIX TYPES:

RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water

RGW = Raw Ground Water FW = Other Finished Water

CWW = Chlorinated Waste Water

WW = Other Waste Water

BW = Bottled Water

SW = Storm Water

SO = Soil

SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

RELINQUISHED BY: Hilary B Hartung

RECEIVED BY: Hilary B Hartung

SCANNED



MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Drive Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for City of Phoenix

Client Code PHOENIX-LF
Project Code SR-85
PO# / Job#

Tom French Your MWL Project Manager
(480) 778-1514 Direct Phone/Voice Mail

BO# 45481

Sampler: please return this paper with your samples

Created by TDF

Ship Sample Kits to

Send Report to

City of Phoenix
Public Works Department
Solid Waste Disposal Mgt. Div.
3060 South 27th Avenue
Phoenix, AZ 85009-6810

City of Phoenix
Public Works Department
Solid Waste Disposal Mgt. Div.
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Billing Address
City of Phoenix
Public Works Department
Solid Waste Disposal Mgt. Div.
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Order Date 02/26/08
Date Needed by Client 03/05/08
Date Samples to Arrive at MWL 03/06/08

ATTN: Hillary Hartline
PHONE: (602) 534 6655

ATTN: Hillary Hartline
PHONE: (602) 534 6655
FAX: (602) 534 9872

of Samples Tests Qteline# Bottles-Qty for each sample, type & preservative if any

# of Samples	Tests	Qteline#	Bottles-Qty for each sample, type & preservative if any	UN DOT #	Comments
3	@8260COP		3 40ml amber glass vials+ 4 drops HCL(36%)		
3	METALS		1 250 ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	Metals = AS-MS, BA-MS, C-MS, CR-MS, CU-MS, PB-MS, HG, NI-MS, SE-MS, AG-MS, ZN-MS
3	ALK		1 125ml poly / no preservative		
3	F/CL		1 125ml poly/ no preservative;; note also log for F-300 if WW		
3	NO3RFA		1 125 ml poly+ 0.5ml H2SO4 (50%)	UN 2796	1 FO, 1 FB, 1 FD
3	TDS		1 500ml poly/ no preservative		
3	@MOD8011		4 40ml amber glass		
1	LITER OF PURGED WATER		glass		
1	GALLON OF DI WATER FOR DUP		cupitainer		
	COC				

2803060173

SCANNED



MWH Laboratories, a Division of MWH Americas, Inc.
 750 Royal Oaks Drive Suite 100
 Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for City of Phoenix

Tom French Your MWL Project Manager
 (480) 778-1514 Direct Phone/Voice Mail

Client Code PHOENIX-LF
 Project Code SR-85
 PO# / Job#

Project Name

Group #
Date Sampled
Date Received

Sampler: please return this paper with your samples

BO# 45483

Created by TDF

Ship Sample Kits to

Send Report to

Order Date	02/26/08
Date Needed by Client	03/05/08
Date Samples to Arrive at MWL	03/06/08

City of Phoenix
 Public Works Department
 Solid Waste Disposal Mgt Div
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Billing Address

City of Phoenix
 Public Works Department
 Solid Waste Disposal Mgt Div
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

ATTN: Hillary Hartline
 PHONE: (602) 534 6655

ATTN: Hillary Hartline
 PHONE: (602) 534 6655
 FAX: (602) 534 9872

# of Samples	Tests	Qteline#	Bottles-Qty for each sample, type & preservative if any	UN DOT #	Comments
1	@8260COP		5 40ml amber glass vials+ 4 drops HCL(36%)		Metals = AS-MS, BA-MS, C-MS, CR-MS, CU-MS, PB-MS, HG, NI-MS, SE-MS, AG-MS, ZN-MS
1	METALS		1 250 ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	
1	ALK/F/CL		1 liter poly / no preservative		
1	@MOD8011		5 40ml clear glass-supplied by LACSD		
1	NO3RFA		1 125 ml poly+ 0.5ml H2SO4 (50%)	UN 2796	
1	TDS		1 liter poly/ no preservative		QC SET - 1 FO, MS, MSD, DUP (TDS)
	COC				