

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/Disposal
3060 South 27th Avenue
Phoenix, AZ 85009-6810
Attention: Jesus Paez

Date of Issue

01/07/2013



**Eurofins Eaton
Analytical**

TDF: Thomas.D.French
Project Manager



01114CA

Report: 418261
Project: SR85
ADHS License #: AZ0778
Group: SR85-2012-4

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

STATE CERTIFICATION LIST

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

Acknowledgement of Samples Received

Addr: **City of Phoenix**
Public Works/Disposal
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Client ID: PHOENIX-LF
Folder #: 418261
Project: SR85
Sample Group: SR85-2012-4

Attn: Jesus Paez
Phone: (602) 534 6655

Project Manager: Thomas.D.French
Phone: (480) 778-1558

The following samples were received from you on **December 12, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date																		
201212120128	85A-412	12/12/2012 0946																		
	Sample Type: FO Well ID: MW-1																			
	<table border="1"> <tr> <td>@504</td> <td>@VOA</td> <td>Mercury</td> </tr> <tr> <td>Alkalinity in CaCO3 units</td> <td>Arsenic Total ICAP/MS</td> <td>Barium Total ICAP/MS</td> </tr> <tr> <td>Cadmium Total ICAP/MS</td> <td>Chloride</td> <td>Chromium Total ICAP/MS</td> </tr> <tr> <td>Copper Total ICAP/MS</td> <td>Fluoride</td> <td>Lead Total ICAP/MS</td> </tr> <tr> <td>Nickel Total ICAP/MS</td> <td>Nitrate as N by RFA Low Level</td> <td>Selenium Total ICAP/MS</td> </tr> <tr> <td>Silver Total ICAP/MS</td> <td>Total Dissolved Solid (TDS)</td> <td>Zinc Total ICAP/MS</td> </tr> </table>	@504	@VOA	Mercury	Alkalinity in CaCO3 units	Arsenic Total ICAP/MS	Barium Total ICAP/MS	Cadmium Total ICAP/MS	Chloride	Chromium Total ICAP/MS	Copper Total ICAP/MS	Fluoride	Lead Total ICAP/MS	Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	Selenium Total ICAP/MS	Silver Total ICAP/MS	Total Dissolved Solid (TDS)	Zinc Total ICAP/MS	
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Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	Selenium Total ICAP/MS																		
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201212120130	85A-412 MSD	12/12/2012 0946																		
	Sample Type: QC Well ID: MW-1																			
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201212120131	85A-412 DUP	12/12/2012 0946																		
	Sample Type: QC Well ID: MW-1																			
	Total Dissolved Solid (TDS)																			
201212120132	85ATB-412	12/12/2012 0946																		
	Sample Type: TB Well ID: MW-1																			
	@504 @VOA																			
201212120133	85B-412	12/12/2012 1103																		
	Sample Type: FO Well ID: MW-2																			

Acknowledgement of Samples Received

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3060 South 27th Avenue
Phoenix, AZ 85009-6810

Client ID: PHOENIX-LF
Folder #: 418261
Project: SR85
Sample Group: SR85-2012-4

Attn: Jesus Paez
Phone: (602) 534 6655

Project Manager: Thomas.D.French
Phone: (480) 778-1558

The following samples were received from you on **December 12, 2012**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical.

Sample #	Sample ID	Sample Date
<u>201212120134</u>	85C-412	12/12/2012 1104
	Sample Type: FD Well ID: MW-2	
	@504	@VOA
	Mercury	
	Alkalinity in CaCO3 units	Arsenic Total ICAP/MS
	Barium Total ICAP/MS	
	Cadmium Total ICAP/MS	Chloride
	Chromium Total ICAP/MS	
Copper Total ICAP/MS	Fluoride	
Lead Total ICAP/MS		
Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	
Selenium Total ICAP/MS		
Silver Total ICAP/MS	Total Dissolved Solid (TDS)	
Zinc Total ICAP/MS		
<u>201212120135</u>	85E-412	12/12/2012 1212
	Sample Type: FB Well ID: MW-3	
	@504	@VOA
	Mercury	
	Alkalinity in CaCO3 units	Arsenic Total ICAP/MS
	Barium Total ICAP/MS	
	Cadmium Total ICAP/MS	Chloride
	Chromium Total ICAP/MS	
Copper Total ICAP/MS	Fluoride	
Lead Total ICAP/MS		
Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	
Selenium Total ICAP/MS		
Silver Total ICAP/MS	Total Dissolved Solid (TDS)	
Zinc Total ICAP/MS		
<u>201212120136</u>	85D-412	12/12/2012 1219
	Sample Type: FD Well ID: MW-3	
	@504	@VOA
	Mercury	
	Alkalinity in CaCO3 units	Arsenic Total ICAP/MS
	Barium Total ICAP/MS	
	Cadmium Total ICAP/MS	Chloride
	Chromium Total ICAP/MS	
Copper Total ICAP/MS	Fluoride	
Lead Total ICAP/MS		
Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	
Selenium Total ICAP/MS		
Silver Total ICAP/MS	Total Dissolved Solid (TDS)	
Zinc Total ICAP/MS		
<u>201212120137</u>	85DTB-412	12/12/2012 1219
	Sample Type: TB Well ID: MW-3	
	@504	@VOA
	Mercury	
	Alkalinity in CaCO3 units	Arsenic Total ICAP/MS
	Barium Total ICAP/MS	
	Cadmium Total ICAP/MS	Chloride
	Chromium Total ICAP/MS	
Copper Total ICAP/MS	Fluoride	
Lead Total ICAP/MS		
Nickel Total ICAP/MS	Nitrate as N by RFA Low Level	
Selenium Total ICAP/MS		
Silver Total ICAP/MS	Total Dissolved Solid (TDS)	
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201212120138	85F-412	12/12/2012 1308																		
Sample Type: FO Well ID: MW-4																				
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Silver Total ICAP/MS	Total Dissolved Solid (TDS)	Zinc Total ICAP/MS																		

Test Description

@504 -- EPA Method 504.1

@VOA -- Volatile Organics by GCMS

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@VOA -- Volatile Organics by GCMS



MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
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Tel: 626 386 1100
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1 800 566 LABS (1 800 566 5227)

CHAIN OF CUSTODY RECORD

MWH LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: _____

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

SAMPLE TEMP RECEIVED AT: Monrovia 35 °C (Compliance: 4 ± 2 °C)
 Colton / Sacramento / Scottsdale 3.8 °C (Compliance: 4 ± 2 °C)
 Monrovia 35 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: FROZEN PARTIALLY FROZEN _____ THAWED _____ WET ICE _____ NO ICE _____

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

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: CITY OF PHOENIX

PROJECT CODE: SR-95 LF

SAMPLE GROUP: _____

STD: ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

(check for yes)

(check for yes)

(check for yes)

COMPLIANCE SAMPLES NON-COMPLIANCE SAMPLES
- Requires state forms REGULATION INVOLVED: _____
Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,....)

SEE ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes) OR
list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	Field Data	Field Data	SAMPLER COMMENTS
12/12/12	0146	85A-412		RAW			
"	1103	85B-412		"			
"	1104	85C-412		"			
"	1212	85E-412		"			
"	1219	85D-412		"			
"	1308	85F-412		"			
"	0746	85AT6-412					
"	1104	85CT6-412					
"	1219	85DT6-412					

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

SAMPLED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		JESUS PAEZ	COP	12/12/12	1956
RECEIVED BY:		Jesus Paetz	COP	12/12/12	1956
RELINQUISHED BY:		Steve W. Smith	SEA	12/12/12	1700
RECEIVED BY:		Steve W. Smith	SEA	12/13/12	1900



Eaton Analytical

formerly MWH Laboratories

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**Laboratory Comments
Report: 418261**

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**Laboratory Hits
 Report: 418261**

City of Phoenix
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 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201212120128 <u>85A-412</u>						
12/14/2012 09:43	Alkalinity in CaCO3 units		140		mg/L	2
12/14/2012 15:06	Arsenic Total ICAP/MS		15	10	ug/L	1
12/14/2012 15:06	Barium Total ICAP/MS		65	2000	ug/L	2
12/22/2012 16:16	Chloride		2300	250	mg/L	100
12/14/2012 15:06	Chromium Total ICAP/MS		2.7	100	ug/L	1
12/14/2012 15:06	Copper Total ICAP/MS		3.0	1300	ug/L	2
12/17/2012 20:24	Fluoride		0.45	4	mg/L	0.05
12/14/2012 15:06	Nickel Total ICAP/MS		12		ug/L	5
12/13/2012 20:09	Nitrate as N by RFA Low Level		25		mg/L	0.6
12/14/2012 15:06	Selenium Total ICAP/MS		12	50	ug/L	5
12/16/2012 22:31	Total Dissolved Solids (TDS)		5400	500	mg/L	10
12/14/2012 15:06	Zinc Total ICAP/MS		98	5000	ug/L	20
201212120131 <u>85A-412 DUP</u>						
12/16/2012 22:42	Total Dissolved Solids (TDS)		5400	500	mg/L	10
201212120133 <u>85B-412</u>						
12/14/2012 10:26	Alkalinity in CaCO3 units		78		mg/L	2
12/14/2012 15:24	Arsenic Total ICAP/MS		11	10	ug/L	1
12/14/2012 15:24	Barium Total ICAP/MS		46	2000	ug/L	2
12/22/2012 13:54	Chloride		1300	250	mg/L	50
12/14/2012 15:24	Chromium Total ICAP/MS		2.2	100	ug/L	1
12/14/2012 15:24	Copper Total ICAP/MS		4.1	1300	ug/L	2
12/17/2012 20:57	Fluoride		2.7	4	mg/L	0.05
12/14/2012 15:24	Lead Total ICAP/MS		0.68	15	ug/L	0.5
12/14/2012 15:24	Nickel Total ICAP/MS		15		ug/L	5
12/13/2012 20:13	Nitrate as N by RFA Low Level		10		mg/L	0.15
12/14/2012 15:24	Selenium Total ICAP/MS		6.8	50	ug/L	5
12/16/2012 22:27	Total Dissolved Solids (TDS)		3200	500	mg/L	10
201212120134 <u>85C-412</u>						
12/14/2012 10:34	Alkalinity in CaCO3 units		78		mg/L	2
12/14/2012 15:17	Arsenic Total ICAP/MS		10	10	ug/L	1
12/14/2012 15:17	Barium Total ICAP/MS		46	2000	ug/L	2
12/22/2012 14:07	Chloride		1300	250	mg/L	50
12/14/2012 15:17	Chromium Total ICAP/MS		2.0	100	ug/L	1
12/14/2012 15:17	Copper Total ICAP/MS		3.0	1300	ug/L	2

SUMMARY OF POSITIVE DATA ONLY

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Samples Received on:
 12/12/2012

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
12/17/2012 20:54	Fluoride		2.7	4	mg/L	0.05
12/14/2012 15:17	Lead Total ICAP/MS		1.7	15	ug/L	0.5
12/14/2012 15:17	Nickel Total ICAP/MS		14		ug/L	5
12/13/2012 20:14	Nitrate as N by RFA Low Level		10		mg/L	0.15
12/14/2012 15:17	Selenium Total ICAP/MS		6.6	50	ug/L	5
12/16/2012 22:28	Total Dissolved Solids (TDS)		3400	500	mg/L	10
		201212120135	<u>85E-412</u>			
12/22/2012 18:50	Acetone		14		ug/L	10
12/14/2012 11:00	Alkalinity in CaCO3 units		89		mg/L	2
		201212120136	<u>85D-412</u>			
12/18/2012 13:35	Arsenic Total ICAP/MS		12	10	ug/L	1
12/18/2012 13:35	Barium Total ICAP/MS		49	2000	ug/L	2
12/22/2012 14:33	Chloride		780	250	mg/L	25
12/18/2012 13:35	Chromium Total ICAP/MS		5.5	100	ug/L	1
12/17/2012 21:03	Fluoride		4.2	4	mg/L	0.05
12/18/2012 13:35	Nickel Total ICAP/MS		6.3		ug/L	5
12/13/2012 20:19	Nitrate as N by RFA Low Level		2.2		mg/L	0.15
12/16/2012 22:30	Total Dissolved Solids (TDS)		1700	500	mg/L	10
12/18/2012 13:35	Zinc Total ICAP/MS		31	5000	ug/L	20
		201212120138	<u>85F-412</u>			
12/14/2012 11:15	Alkalinity in CaCO3 units		100		mg/L	2
12/18/2012 13:49	Arsenic Total ICAP/MS		8.1	10	ug/L	1
12/18/2012 13:49	Barium Total ICAP/MS		58	2000	ug/L	2
12/22/2012 14:46	Chloride		820	250	mg/L	25
12/18/2012 13:49	Chromium Total ICAP/MS		5.8	100	ug/L	1
12/17/2012 21:00	Fluoride		3.1	4	mg/L	0.05
12/18/2012 13:49	Nickel Total ICAP/MS		24		ug/L	5
12/13/2012 20:20	Nitrate as N by RFA Low Level		3.2		mg/L	0.15
12/16/2012 22:33	Total Dissolved Solids (TDS)		2000	500	mg/L	10
12/18/2012 13:49	Zinc Total ICAP/MS		46	5000	ug/L	20

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 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
85A-412 (201212120128)						Sampled on 12/12/2012 0946		
Sample Type: FO								
Well Id: MW-1								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Arsenic Total ICAP/MS	15	ug/L	1	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Barium Total ICAP/MS	65	ug/L	2	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Chromium Total ICAP/MS	2.7	ug/L	1	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Copper Total ICAP/MS	3.0	ug/L	2	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Nickel Total ICAP/MS	12	ug/L	5	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Selenium Total ICAP/MS	12	ug/L	5	1
12/13/2012	12/20/2012	10:29	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:06	685131 (EPA 200.8)	Zinc Total ICAP/MS	98	ug/L	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:17	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 8011 - EPA Method 504.1								
12/26/2012	12/26/2012	12:08	686361 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/26/2012	12/26/2012	12:08	686361 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	16:16	686524 (EPA 300.0)	Chloride	2300	mg/L	100	100
EPA 353.2 - Nitrate as N by RFA Low Level								
	12/13/2012	20:09	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	25	mg/L	0.6	20
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	2-Butanone (MEK)	ND	ug/L	5	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	2-Hexanone	ND	ug/L	10	1
12/22/2012	12/22/2012	16:10	686667 (EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Acetone	ND	10	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	50	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Benzene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Bromochloromethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Bromodichloromethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Bromoform	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Carbon disulfide	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Carbon Tetrachloride	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Chlorobenzene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Chlorodibromomethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Chloroethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Dibromomethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Dichloromethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Ethyl benzene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Iodomethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	m,p-Xylenes	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	o-Xylene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Styrene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Toluene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Total xylenes	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	10	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Trichloroethylene (TCE)	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Trichlorofluoromethane	ND	0.5	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Vinyl Acetate	ND	10	1
12/22/2012	12/22/2012	16:10	686667	(EPA 8260)	Vinyl chloride (VC)	ND	0.3	1

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Eaton Analytical

formerly MWH Laboratories

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Laboratory Data
Report: 418261

City of Phoenix
Jesus Paez
Public Works/Disposal
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Samples Received on:
12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
SM 4500F-C - Fluoride								
12/17/2012	20:24	685451	(SM 4500F-C)	Fluoride	0.45	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
12/14/2012	09:43	685014	(SM 2320B)	Alkalinity in CaCO3 units	140	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:31	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	5400	mg/L	10	1
85A-412 MS (201212120129)						Sampled on 12/12/2012 0946		
Sample Type: QC Well Id: MW-1								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Arsenic Total ICAP/MS	107	%	1	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Barium Total ICAP/MS	101	%	2	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Cadmium Total ICAP/MS	94	%	0.5	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Chromium Total ICAP/MS	101	%	1	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Copper Total ICAP/MS	93	%	2	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Lead Total ICAP/MS	96	%	0.5	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Nickel Total ICAP/MS	94	%	5	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Selenium Total ICAP/MS	104	%	5	1
12/13/2012	12/20/2012	10:31	685667 (EPA 200.8)	Silver Total ICAP/MS	88	%	0.5	1
12/13/2012	12/14/2012	15:09	685131 (EPA 200.8)	Zinc Total ICAP/MS	89	%	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:19	685154 (EPA 245.1)	Mercury	92	%	0.2	1
EPA 8011 - EPA Method 504.1								
12/26/2012	12/26/2012	12:41	686361 (EPA 8011)	Dibromochloropropane (DBCP)	112	%	0.01	1
12/26/2012	12/26/2012	12:41	686361 (EPA 8011)	Ethylene Dibromide (EDB)	111	%	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
12/22/2012	16:29	686524	(EPA 300.0)	Chloride	110	%	100	100
EPA 353.2 - Nitrate as N by RFA Low Level								
12/13/2012	20:21	685354	(EPA 353.2)	Nitrate as N by RFA Low Level	100	%	0.6	20
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	95	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1,1-Trichloroethane	98	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	92	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1,2-Trichloroethane	95	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1-Dichloroethane	88	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,1-Dichloroethylene	110	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	1,2,3-Trichloropropane	92	%	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	1,2-Dichloroethane	97	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	1,2-Dichloropropane	94	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	2-Butanone (MEK)	123	%	5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	2-Hexanone	111	%	10	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	125	%	5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Acetone	129	%	10	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Acrylonitrile (Screen)	118	%	50	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Benzene	91	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Bromochloromethane	101	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Bromodichloromethane	90	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Bromoform	87	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	92	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Carbon disulfide	90	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Carbon Tetrachloride	103	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Chlorobenzene	97	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Chlorodibromomethane	97	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Chloroethane	100	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Chloroform (Trichloromethane)	101	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	89	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	cis-1,2-Dichloroethylene	102	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	cis-1,3-Dichloropropene	89	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Dibromomethane	93	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Dichloromethane	104	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Ethyl benzene	93	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Iodomethane	111	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	m,p-Xylenes	95	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	102	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	88	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	o-Xylene	92	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	89	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Styrene	72	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Tetrachloroethylene (PCE)	95	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Toluene	91	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	Total xylenes	94	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	trans-1,2-Dichloroethylene	79	%	0.5	1
12/22/2012	12/22/2012	16:33	686667	(EPA 8260)	trans-1,3-Dichloropropene	99	%	0.5	1

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Samples Received on:
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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	trans-1,4-dichloro-2-butene	94	%	10	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	Trichloroethylene (TCE)	85	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	Trichlorofluoromethane	97	%	0.5	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	Vinyl Acetate	70	%	10	1
12/22/2012	12/22/2012	16:33	686667 (EPA 8260)	Vinyl chloride (VC)	91	%	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	20:28	685451 (SM 4500F-C)	Fluoride	84	%	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	09:51	685014 (SM 2320B)	Alkalinity in CaCO3 units	81	%	2	1
85A-412 MSD (201212120130)								
Sampled on 12/12/2012 0946								
Sample Type: QC								
Well Id: MW-1								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Arsenic Total ICAP/MS	112	%	1	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Barium Total ICAP/MS	110	%	2	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Cadmium Total ICAP/MS	101	%	0.5	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Chromium Total ICAP/MS	110	%	1	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Copper Total ICAP/MS	101	%	2	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Lead Total ICAP/MS	105	%	0.5	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Nickel Total ICAP/MS	100	%	5	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Selenium Total ICAP/MS	112	%	5	1
12/13/2012	12/20/2012	10:34	685667 (EPA 200.8)	Silver Total ICAP/MS	88	%	0.5	1
12/13/2012	12/14/2012	15:13	685131 (EPA 200.8)	Zinc Total ICAP/MS	95	%	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:22	685154 (EPA 245.1)	Mercury	93	%	0.2	1
EPA 8011 - EPA Method 504.1								
12/26/2012	12/26/2012	13:14	686361 (EPA 8011)	Dibromochloropropane (DBCP)	113	%	0.01	1
12/26/2012	12/26/2012	13:14	686361 (EPA 8011)	Ethylene Dibromide (EDB)	116	%	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	16:42	686524 (EPA 300.0)	Chloride	109	%	100	100
EPA 353.2 - Nitrate as N by RFA Low Level								
	12/13/2012	20:22	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	98	%	0.6	20
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	103	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	1,1,1-Trichloroethane	113	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	99	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	1,1,2-Trichloroethane	94	%	0.5	1

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 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	1,1-Dichloroethane	98	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	1,1-Dichloroethylene	126	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	1,2,3-Trichloropropane	100	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	1,2-Dichloroethane	106	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	1,2-Dichloropropane	102	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	2-Butanone (MEK)	117	%	5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	2-Hexanone	108	%	10	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	124	%	5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Acetone	114	%	10	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Acrylonitrile (Screen)	113	%	50	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Benzene	106	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Bromochloromethane	105	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Bromodichloromethane	99	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Bromoform	99	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	114	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Carbon disulfide	104	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Carbon Tetrachloride	115	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Chlorobenzene	107	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Chlorodibromomethane	100	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Chloroethane	117	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Chloroform (Trichloromethane)	113	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	107	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	cis-1,2-Dichloroethylene	114	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	cis-1,3-Dichloropropene	102	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Dibromomethane	100	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Dichloromethane	117	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Ethyl benzene	107	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Iodomethane	110	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	m,p-Xylenes	108	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	108	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	99	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	o-Xylene	101	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	110	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Styrene	85	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Tetrachloroethylene (PCE)	111	%	0.5	1
12/22/2012	12/22/2012	16:56	686667	(EPA 8260)	Toluene	103	%	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	Total xylenes	105	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	trans-1,2-Dichloroethylene	92	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	trans-1,3-Dichloropropene	106	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	trans-1,4-dichloro-2-butene	105	%	10	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	Trichloroethylene (TCE)	104	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	Trichlorofluoromethane	113	%	0.5	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	Vinyl Acetate	75	%	10	1
12/22/2012	12/22/2012	16:56	686667 (EPA 8260)	Vinyl chloride (VC)	111	%	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	20:31	685451 (SM 4500F-C)	Fluoride	86	%	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	10:00	685014 (SM 2320B)	Alkalinity in CaCO3 units	88	%	2	1
85A-412 DUP (201212120131)						Sampled on 12/12/2012 0946		
Sample Type: QC Well Id: MW-1								
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:42	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	5400	mg/L	10	1
85ATB-412 (201212120132)						Sampled on 12/12/2012 0946		
Sample Type: TB Well Id: MW-1								
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	05:25	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	05:25	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	2-Butanone (MEK)	ND	ug/L	5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	2-Hexanone	ND	ug/L	10	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
12/22/2012	12/22/2012	17:41	686667 (EPA 8260)	Acetone	ND	ug/L	10	1

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**Laboratory Data
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Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	ug/L	50	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Bromochloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Bromodichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Bromoform	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Carbon disulfide	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Carbon Tetrachloride	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Chlorobenzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Chlorodibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Chloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Dibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Dichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Ethyl benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Iodomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	m,p-Xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	o-Xylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Styrene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Toluene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Total xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/L	10	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	17:41	686667	(EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
85B-412 (201212120133)						Sampled on 12/12/2012 1103		
Sample Type: FO								
Well Id: MW-2								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Arsenic Total ICAP/MS	11	ug/L	1	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Barium Total ICAP/MS	46	ug/L	2	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Chromium Total ICAP/MS	2.2	ug/L	1	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Copper Total ICAP/MS	4.1	ug/L	2	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Lead Total ICAP/MS	0.68	ug/L	0.5	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Nickel Total ICAP/MS	15	ug/L	5	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Selenium Total ICAP/MS	6.8	ug/L	5	1
12/13/2012	12/20/2012	11:03	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:24	685131 (EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:28	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	05:59	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	05:59	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	13:54	686524 (EPA 300.0)	Chloride	1300	mg/L	50	50
EPA 353.2 - Nitrate as N by RFA Low Level								
	12/13/2012	20:13	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	10	mg/L	0.15	5
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	2-Butanone (MEK)	ND	ug/L	5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	2-Hexanone	ND	ug/L	10	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
12/22/2012	12/22/2012	18:04	686667 (EPA 8260)	Acetone	ND	ug/L	10	1

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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	50	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Benzene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Bromochloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Bromodichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Bromoform	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Carbon disulfide	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Carbon Tetrachloride	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Chlorobenzene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Chlorodibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Chloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Dibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Dichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Ethyl benzene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Iodomethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	m,p-Xylenes	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	o-Xylene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Styrene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Toluene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Total xylenes	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	10	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Trichloroethylene (TCE)	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Trichlorofluoromethane	ND	0.5	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Vinyl Acetate	ND	10	1
12/22/2012	12/22/2012	18:04	686667	(EPA 8260)	Vinyl chloride (VC)	ND	0.3	1

SM 4500F-C - Fluoride

Rounding on totals after summation.
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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	12/17/2012	20:57	685451 (SM 4500F-C)	Fluoride	2.7	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	10:26	685014 (SM 2320B)	Alkalinity in CaCO3 units	78	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:27	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	3200	mg/L	10	1
85C-412 (201212120134)						Sampled on 12/12/2012 1104		
Sample Type: FD								
Well Id: MW-2								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Arsenic Total ICAP/MS	10	ug/L	1	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Barium Total ICAP/MS	46	ug/L	2	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Chromium Total ICAP/MS	2.0	ug/L	1	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Copper Total ICAP/MS	3.0	ug/L	2	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Lead Total ICAP/MS	1.7	ug/L	0.5	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Nickel Total ICAP/MS	14	ug/L	5	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Selenium Total ICAP/MS	6.6	ug/L	5	1
12/13/2012	12/20/2012	11:06	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:17	685131 (EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:24	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	06:33	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	06:33	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	14:07	686524 (EPA 300.0)	Chloride	1300	mg/L	50	50
EPA 353.2 - Nitrate as N by RFA Low Level								
	12/13/2012	20:14	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	10	mg/L	0.15	5
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	1,2-Dichloropropane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	2-Butanone (MEK)	ND	5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	2-Hexanone	ND	10	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Acetone	ND	10	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	50	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Benzene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Bromochloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Bromodichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Bromoform	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Carbon disulfide	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Carbon Tetrachloride	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Chlorobenzene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Chlorodibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Chloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Dibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Dichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Ethyl benzene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Iodomethane	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	m,p-Xylenes	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	o-Xylene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Styrene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Toluene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	Total xylenes	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	18:27	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	10	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	18:27	686667 (EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	20:54	685451 (SM 4500F-C)	Fluoride	2.7	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	10:34	685014 (SM 2320B)	Alkalinity in CaCO3 units	78	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:28	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	3400	mg/L	10	1
85E-412 (201212120135)						Sampled on 12/12/2012 1212		
Sample Type: FB								
Well Id: MW-3								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Arsenic Total ICAP/MS	ND	ug/L	1	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Barium Total ICAP/MS	ND	ug/L	2	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
12/13/2012	12/20/2012	11:14	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/14/2012	15:21	685131 (EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:34	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	08:16	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	08:16	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	14:20	686524 (EPA 300.0)	Chloride	ND	mg/L	1	1
EPA 353.2 - Nitrate as N by RFA Low Level								
	12/13/2012	20:15	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	ND	mg/L	0.03	1
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1

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**Laboratory Data
 Report: 418261**

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Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,1,2-Trichloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,1-Dichloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,1-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,2,3-Trichloropropane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,2-Dichloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	1,2-Dichloropropane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	2-Butanone (MEK)	ND	5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	2-Hexanone	ND	10	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Acetone	14	10	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	50	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Benzene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Bromochloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Bromodichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Bromoform	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Carbon disulfide	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Carbon Tetrachloride	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Chlorobenzene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Chlorodibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Chloroethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Dibromomethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Dichloromethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Ethyl benzene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Iodomethane	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	m,p-Xylenes	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	o-Xylene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Styrene	ND	0.5	1
12/22/2012	12/22/2012	18:50	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	0.5	1

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Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Toluene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Total xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	trans-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/L	10	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	18:50	686667 (EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	20:47	685451 (SM 4500F-C)	Fluoride	ND	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	11:00	685014 (SM 2320B)	Alkalinity in CaCO3 units	89	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:29	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	ND	mg/L	10	1
85D-412 (201212120136)								
Sample Type: FD								
Well Id: MW-3								
EPA 200.8 - ICPMS Metals								
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Arsenic Total ICAP/MS	12	ug/L	1	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Barium Total ICAP/MS	49	ug/L	2	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Chromium Total ICAP/MS	5.5	ug/L	1	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Nickel Total ICAP/MS	6.3	ug/L	5	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
12/13/2012	12/20/2012	11:17	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:35	685452 (EPA 200.8)	Zinc Total ICAP/MS	31	ug/L	20	1
EPA 245.1 - Mercury Total								
12/13/2012	12/14/2012	17:30	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	08:51	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	08:51	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	12/22/2012	14:33	686524 (EPA 300.0)	Chloride	780	mg/L	25	25
EPA 353.2 - Nitrate as N by RFA Low Level								

Sampled on 12/12/2012 1219

Rounding on totals after summation.
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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
	12/13/2012	20:19	685354	(EPA 353.2)	Nitrate as N by RFA Low Level	2.2	mg/L	0.15	5
EPA 8260 - Volatile Organics by GCMS									
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	2-Butanone (MEK)	ND	ug/L	5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	2-Hexanone	ND	ug/L	10	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Acetone	ND	ug/L	10	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	ug/L	50	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Bromochloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Bromodichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Bromoform	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Carbon disulfide	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Carbon Tetrachloride	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Chlorobenzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Chlorodibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Chloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Dibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Dichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Ethyl benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Iodomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	m,p-Xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	1

Rounding on totals after summation.
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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	o-Xylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Styrene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Toluene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Total xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	trans-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/L	10	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	19:13	686667 (EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	21:03	685451 (SM 4500F-C)	Fluoride	4.2	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	11:08	685014 (SM 2320B)	Alkalinity in CaCO3 units	ND	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:30	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	1700	mg/L	10	1
85DTB-412 (201212120137)								
Sampled on 12/12/2012 1219								
Sample Type: TB								
Well Id: MW-3								
EPA 8011 - EPA Method 504.1								
12/17/2012	12/18/2012	09:25	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	09:25	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
EPA 8260 - Volatile Organics by GCMS								
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	2-Butanone (MEK)	ND	ug/L	5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	2-Hexanone	ND	ug/L	10	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Acetone	ND	ug/L	10	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	ug/L	50	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Bromochloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Bromodichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Bromoform	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Carbon disulfide	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Carbon Tetrachloride	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Chlorobenzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Chlorodibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Chloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Dibromomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Dichloromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Ethyl benzene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Iodomethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	m,p-Xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	o-Xylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Styrene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Toluene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Total xylenes	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	ug/L	10	1
12/22/2012	12/22/2012	19:35	686667	(EPA 8260)	Trichloroethylene (TCE)	ND	ug/L	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
 Jesus Paez
 Public Works/Disposal
 3060 South 27th Avenue
 Phoenix, AZ 85009-6810

Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	19:35	686667 (EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1

85F-412 (201212120138)

Sampled on 12/12/2012 1308

Sample Type: FO
 Well Id: MW-4

EPA 200.8 - ICPMS Metals

12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Arsenic Total ICAP/MS	8.1	ug/L	1	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Barium Total ICAP/MS	58	ug/L	2	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Chromium Total ICAP/MS	5.8	ug/L	1	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Nickel Total ICAP/MS	24	ug/L	5	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
12/13/2012	12/20/2012	11:20	685667 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
12/13/2012	12/18/2012	13:49	685452 (EPA 200.8)	Zinc Total ICAP/MS	46	ug/L	20	1

EPA 245.1 - Mercury Total

12/13/2012	12/14/2012	17:27	685154 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
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EPA 8011 - EPA Method 504.1

12/17/2012	12/18/2012	09:59	685469 (EPA 8011)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
12/17/2012	12/18/2012	09:59	685469 (EPA 8011)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1

EPA 300.0 - Chloride, Sulfate by EPA 300.0

12/22/2012	14:46	686524 (EPA 300.0)	Chloride	820	mg/L	25	25
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EPA 353.2 - Nitrate as N by RFA Low Level

12/13/2012	20:20	685354 (EPA 353.2)	Nitrate as N by RFA Low Level	3.2	mg/L	0.15	5
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EPA 8260 - Volatile Organics by GCMS

12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,1-Dichloroethylene	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,2-Dichloroethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	1,2-Dichloropropane	ND	ug/L	0.5	1

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**Laboratory Data
 Report: 418261**

City of Phoenix
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 3060 South 27th Avenue
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Samples Received on:
 12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	2-Butanone (MEK)	ND	5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	2-Hexanone	ND	10	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	4-Methyl-2-Pentanone (MIBK)	ND	5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Acetone	ND	10	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Acrylonitrile (Screen)	ND	50	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Benzene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Bromochloromethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Bromodichloromethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Bromoform	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Bromomethane (Methyl Bromide)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Carbon disulfide	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Carbon Tetrachloride	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Chlorobenzene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Chlorodibromomethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Chloroethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Chloroform (Trichloromethane)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Chloromethane(Methyl Chloride)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	cis-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	cis-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Dibromomethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Dichloromethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Ethyl benzene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Iodomethane	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	m,p-Xylenes	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Methyl Tert-butyl ether (MTBE)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	o-Dichlorobenzene (1,2-DCB)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	o-Xylene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	p-Dichlorobenzene (1,4-DCB)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Styrene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Tetrachloroethylene (PCE)	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Toluene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Total xylenes	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	trans-1,2-Dichloroethylene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	trans-1,3-Dichloropropene	ND	0.5	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	trans-1,4-dichloro-2-butene	ND	10	1
12/22/2012	12/22/2012	19:58	686667	(EPA 8260)	Trichloroethylene (TCE)	ND	0.5	1

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



Eaton Analytical

formerly MWH Laboratories

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Laboratory Data
Report: 418261

City of Phoenix

Jesus Paez
Public Works/Disposal
3060 South 27th Avenue
Phoenix, AZ 85009-6810

Samples Received on:
12/12/2012

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	Trichlorofluoromethane	ND	ug/L	0.5	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	Vinyl Acetate	ND	ug/L	10	1
12/22/2012	12/22/2012	19:58	686667 (EPA 8260)	Vinyl chloride (VC)	ND	ug/L	0.3	1
SM 4500F-C - Fluoride								
	12/17/2012	21:00	685451 (SM 4500F-C)	Fluoride	3.1	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	12/14/2012	11:15	685014 (SM 2320B)	Alkalinity in CaCO3 units	100	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
12/14/2012	12/16/2012	22:33	685128 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	2000	mg/L	10	1

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

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QC Ref # 685014 - Alkalinity in CaCO3 units

201212120128	85A-412
201212120129	85A-412 MS
201212120130	85A-412 MSD
201212120133	85B-412
201212120134	85C-412
201212120135	85E-412
201212120136	85D-412
201212120138	85F-412

Analysis Date: 12/14/2012

Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL
Analyzed by: LLL

QC Ref # 685128 - Total Dissolved Solids (TDS)

201212120128	85A-412
201212120131	85A-412 DUP
201212120133	85B-412
201212120134	85C-412
201212120135	85E-412
201212120136	85D-412
201212120138	85F-412

Analysis Date: 12/16/2012

Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF
Analyzed by: JRF

QC Ref # 685131 - ICPMS Metals

201212120128	85A-412
201212120129	85A-412 MS
201212120130	85A-412 MSD
201212120133	85B-412
201212120134	85C-412
201212120135	85E-412

Analysis Date: 12/14/2012

Analyzed by: SXX
Analyzed by: SXX
Analyzed by: SXX
Analyzed by: SXX
Analyzed by: SXX
Analyzed by: SXX

QC Ref # 685154 - Mercury Total

201212120128	85A-412
201212120129	85A-412 MS
201212120130	85A-412 MSD
201212120133	85B-412
201212120134	85C-412
201212120135	85E-412
201212120136	85D-412
201212120138	85F-412

Analysis Date: 12/14/2012

Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT
Analyzed by: MXT

QC Ref # 685354 - Nitrate as N by RFA Low Level

201212120128	85A-412
201212120129	85A-412 MS
201212120130	85A-412 MSD
201212120133	85B-412
201212120134	85C-412
201212120135	85E-412
201212120136	85D-412
201212120138	85F-412

Analysis Date: 12/13/2012

Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR
Analyzed by: NJR

QC Ref # 685451 - Fluoride**Analysis Date: 12/17/2012**

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201212120128	85A-412	Analyzed by: MXT
201212120129	85A-412 MS	Analyzed by: MXT
201212120130	85A-412 MSD	Analyzed by: MXT
201212120133	85B-412	Analyzed by: MXT
201212120134	85C-412	Analyzed by: MXT
201212120135	85E-412	Analyzed by: MXT
201212120136	85D-412	Analyzed by: MXT
201212120138	85F-412	Analyzed by: MXT

QC Ref # 685452 - ICPMS Metals

201212120136	85D-412	Analyzed by: SXX
201212120138	85F-412	Analyzed by: SXX

Analysis Date: 12/18/2012
QC Ref # 685469 - EPA Method 504.1

201212120132	85ATB-412	Analyzed by: MCP
201212120133	85B-412	Analyzed by: MCP
201212120134	85C-412	Analyzed by: MCP
201212120135	85E-412	Analyzed by: MCP
201212120136	85D-412	Analyzed by: MCP
201212120137	85DTB-412	Analyzed by: MCP
201212120138	85F-412	Analyzed by: MCP

Analysis Date: 12/18/2012
QC Ref # 685667 - ICPMS Metals

201212120128	85A-412	Analyzed by: DTN
201212120129	85A-412 MS	Analyzed by: DTN
201212120130	85A-412 MSD	Analyzed by: DTN
201212120133	85B-412	Analyzed by: DTN
201212120134	85C-412	Analyzed by: DTN
201212120135	85E-412	Analyzed by: DTN
201212120136	85D-412	Analyzed by: DTN
201212120138	85F-412	Analyzed by: DTN

Analysis Date: 12/20/2012
QC Ref # 686361 - EPA Method 504.1

201212120128	85A-412	Analyzed by: MCP
201212120129	85A-412 MS	Analyzed by: MCP
201212120130	85A-412 MSD	Analyzed by: MCP

Analysis Date: 12/26/2012
QC Ref # 686524 - Chloride, Sulfate by EPA 300.0

201212120128	85A-412	Analyzed by: CYP
201212120129	85A-412 MS	Analyzed by: CYP
201212120130	85A-412 MSD	Analyzed by: CYP
201212120133	85B-412	Analyzed by: CYP
201212120134	85C-412	Analyzed by: CYP
201212120135	85E-412	Analyzed by: CYP
201212120136	85D-412	Analyzed by: CYP
201212120138	85F-412	Analyzed by: CYP

Analysis Date: 12/22/2012
QC Ref # 686667 - Volatile Organics by GCMS

201212120128	85A-412	Analyzed by: SZZ
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Analysis Date: 12/22/2012

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201212120129	85A-412 MS	Analyzed by: SZZ
201212120130	85A-412 MSD	Analyzed by: SZZ
201212120132	85ATB-412	Analyzed by: SZZ
201212120133	85B-412	Analyzed by: SZZ
201212120134	85C-412	Analyzed by: SZZ
201212120135	85E-412	Analyzed by: SZZ
201212120136	85D-412	Analyzed by: SZZ
201212120137	85DTB-412	Analyzed by: SZZ
201212120138	85F-412	Analyzed by: SZZ

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 685014 - Alkalinity in CaCO3 units by SM 2320B						Analysis Date: 12/14/2012			
LCS1	Alkalinity in CaCO3 units		100	93.6	mg/L	94	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	91.0	mg/L	91	(90-110)	20	2.8
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	2.28	mg/L	114	(50-150)		
MS_201212100333	Alkalinity in CaCO3 units	92	100	177	mg/L	85	(80-120)		
MS_201212120128	Alkalinity in CaCO3 units	140	100	224	mg/L	81	(80-120)		
MSD_201212120128	Alkalinity in CaCO3 units	140	100	231	mg/L	88	(80-120)	20	3.1
MSD_201212100333	Alkalinity in CaCO3 units	92	100	183	mg/L	91	(80-120)	20	3.3
QC Ref# 685128 - Total Dissolved Solids (TDS) by E160.1/SM2540C						Analysis Date: 12/16/2012			
DUP_201212120131	Total Dissolved Solid (TDS)	5400		5420	mg/L		(0-20)		
DUP_201212120106	Total Dissolved Solid (TDS)	590		606	mg/L		(0-20)	20	3.4
LCS1	Total Dissolved Solid (TDS)		175	186	mg/L	106	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	714	mg/L	102	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	11.0	mg/L	110	(50-150)		
QC Ref# 685131 - ICPMS Metals by EPA 200.8						Analysis Date: 12/14/2012			
LCS1	Arsenic Total ICAP/MS		20	21.7	ug/L	109	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	21.9	ug/L	109	(85-115)	20	0.92
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_201212120198	Arsenic Total ICAP/MS	ND	20	20.5	ug/L	98	(70-130)		
MS2_201212120031	Arsenic Total ICAP/MS	ND	20	21.0	ug/L	100	(70-130)		
MSD_201212120198	Arsenic Total ICAP/MS	ND	20	20.2	ug/L	96	(70-130)	20	1.5
MSD2_201212120031	Arsenic Total ICAP/MS	ND	20	20.7	ug/L	99	(70-130)	20	1.4
LCS1	Barium Total ICAP/MS		100	108	ug/L	108	(85-115)		
LCS2	Barium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	0.93
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.30	ug/L	115	(50-150)		
MS_201212120198	Barium Total ICAP/MS	74.52	100	171	ug/L	96	(70-130)		
MS2_201212120031	Barium Total ICAP/MS	38	100	142	ug/L	103	(70-130)		
MSD_201212120198	Barium Total ICAP/MS	74.52	100	171	ug/L	97	(70-130)	20	0.0
MSD2_201212120031	Barium Total ICAP/MS	38	100	142	ug/L	103	(70-130)	20	0.0
LCS1	Cadmium Total ICAP/MS		20	21.1	ug/L	106	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	21.0	ug/L	105	(85-115)	20	0.48
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.484	ug/L	97	(50-150)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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

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

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201212120198	Cadmium Total ICAP/MS	ND	20	18.8	ug/L	94	(70-130)		
MS2_201212120031	Cadmium Total ICAP/MS	ND	20	21.1	ug/L	105	(70-130)		
MSD_201212120198	Cadmium Total ICAP/MS	ND	20	18.9	ug/L	95	(70-130)	20	0.53
MSD2_201212120031	Cadmium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)	20	0.48
LCS1	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Chromium Total ICAP/MS		100	107	ug/L	107	(85-115)	20	0.0
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.928	ug/L	93	(50-150)		
MS_201212120198	Chromium Total ICAP/MS	ND	100	91.6	ug/L	91	(70-130)		
MS2_201212120031	Chromium Total ICAP/MS	ND	100	104	ug/L	103	(70-130)		
MSD_201212120198	Chromium Total ICAP/MS	ND	100	90.9	ug/L	90	(70-130)	20	0.77
MSD2_201212120031	Chromium Total ICAP/MS	ND	100	102	ug/L	101	(70-130)	20	1.9
LCS1	Copper Total ICAP/MS		100	111	ug/L	111	(85-115)		
LCS2	Copper Total ICAP/MS		100	112	ug/L	112	(85-115)	20	0.90
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.22	ug/L	111	(50-150)		
MS_201212120198	Copper Total ICAP/MS	ND	100	88.8	ug/L	88	(70-130)		
MS2_201212120031	Copper Total ICAP/MS	ND	100	107	ug/L	107	(70-130)		
MSD_201212120198	Copper Total ICAP/MS	ND	100	88.4	ug/L	88	(70-130)	20	0.34
MSD2_201212120031	Copper Total ICAP/MS	ND	100	106	ug/L	105	(70-130)	20	0.94
LCS1	Lead Total ICAP/MS		20	21.9	ug/L	109	(85-115)		
LCS2	Lead Total ICAP/MS		20	21.8	ug/L	109	(85-115)	20	0.46
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.550	ug/L	110	(50-150)		
MS_201212120198	Lead Total ICAP/MS	ND	20	18.2	ug/L	91	(70-130)		
MS2_201212120031	Lead Total ICAP/MS	ND	20	21.2	ug/L	106	(70-130)		
MSD_201212120198	Lead Total ICAP/MS	ND	20	18.0	ug/L	90	(70-130)	20	1.1
MSD2_201212120031	Lead Total ICAP/MS	ND	20	20.8	ug/L	104	(70-130)	20	1.9
LCS1	Nickel Total ICAP/MS		50	55.3	ug/L	111	(85-115)		
LCS2	Nickel Total ICAP/MS		50	55.3	ug/L	111	(85-115)	20	0.0
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.12	ug/L	102	(50-150)		
MS_201212120198	Nickel Total ICAP/MS	ND	50	44.7	ug/L	88	(70-130)		
MS2_201212120031	Nickel Total ICAP/MS	ND	50	54.1	ug/L	107	(70-130)		
MSD_201212120198	Nickel Total ICAP/MS	ND	50	44.6	ug/L	87	(70-130)	20	0.22
MSD2_201212120031	Nickel Total ICAP/MS	ND	50	53.3	ug/L	106	(70-130)	20	1.5
LCS1	Selenium Total ICAP/MS		20	21.3	ug/L	107	(85-115)		
LCS2	Selenium Total ICAP/MS		20	21.6	ug/L	108	(85-115)	20	1.4

Spike recovery is already corrected for native results.

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Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.39	ug/L	108	(50-150)		
MS_201212120198	Selenium Total ICAP/MS	ND	20	21.5	ug/L	102	(70-130)		
MS2_201212120031	Selenium Total ICAP/MS	ND	20	22.8	ug/L	113	(70-130)		
MSD_201212120198	Selenium Total ICAP/MS	ND	20	20.9	ug/L	99	(70-130)	20	2.8
MSD2_201212120031	Selenium Total ICAP/MS	ND	20	23.0	ug/L	114	(70-130)	20	0.87
LCS1	Zinc Total ICAP/MS		100	107	ug/L	107	(85-115)		
LCS2	Zinc Total ICAP/MS		100	107	ug/L	107	(85-115)	20	0.0
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	24.1	ug/L	121	(50-150)		
MS_201212120198	Zinc Total ICAP/MS	ND	100	94.6	ug/L	92	(70-130)		
MS2_201212120031	Zinc Total ICAP/MS	ND	100	110	ug/L	109	(70-130)		
MSD_201212120198	Zinc Total ICAP/MS	ND	100	92.1	ug/L	90	(70-130)	20	2.7
MSD2_201212120031	Zinc Total ICAP/MS	ND	100	108	ug/L	106	(70-130)	20	2.7

QC Ref# 685154 - Mercury Total by EPA 245.1
Analysis Date: 12/14/2012

LCS1	Mercury		1.5	1.52	ug/L	101	(85-115)		
LCS2	Mercury		1.5	1.52	ug/L	101	(85-115)	20	0.0
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.194	ug/L	97	(50-150)		
MS_201212120128	Mercury	ND	1.5	1.38	ug/L	92	(70-130)		
MS_201212100055	Mercury	ND	1.5	1.59	ug/L	106	(70-130)		
MSD_201212100055	Mercury	ND	1.5	1.61	ug/L	107	(70-130)	20	1.3
MSD_201212120128	Mercury	ND	1.5	1.39	ug/L	93	(70-130)	20	0.72

QC Ref# 685354 - Nitrate as N by RFA Low Level by EPA 353.2
Analysis Date: 12/13/2012

LCS1	Nitrate as N by RFA Low Level		1.0	1.03	mg/L	103	(90-110)		
LCS2	Nitrate as N by RFA Low Level		1.0	1.04	mg/L	104	(90-110)	20	0.97
MBLK	Nitrate as N by RFA Low Level			<0.03	mg/L				
MRL_CHK	Nitrate as N by RFA Low Level		0.03	0.0184	mg/L	61	(50-150)		
MS_201212170224	Nitrate as N by RFA Low Level	25	1.0	45.2	mg/L	102	(90-110)		
MS_201212120128	Nitrate as N by RFA Low Level	25	1.0	45.2	mg/L	100	(90-110)		
MSD_201212170224	Nitrate as N by RFA Low Level	25	1.0	44.8	mg/L	100	(90-110)	20	0.89
MSD_201212120128	Nitrate as N by RFA Low Level	25	1.0	44.8	mg/L	98	(90-110)	20	0.89

QC Ref# 685451 - Fluoride by SM 4500F-C
Analysis Date: 12/17/2012

LCS1	Fluoride		1.0	0.952	mg/L	95	(81-116)		
LCS2	Fluoride		1.0	0.948	mg/L	95	(81-116)	20	0.53
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0435	mg/L	87	(50-150)		

Spike recovery is already corrected for native results.

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Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201212070445	Fluoride	0.22	1.0	1.14	mg/L	92	(73-124)		
MS2_201212120128	Fluoride	0.45	1.0	1.29	mg/L	84	(73-124)		
MSD_201212070445	Fluoride	0.22	1.0	1.12	mg/L	89	(73-124)	20	1.8
MSD2_201212120128	Fluoride	0.45	1.0	1.31	mg/L	86	(-124)	20	1.5
QC Ref# 685452 - ICPMS Metals by EPA 200.8						Analysis Date: 12/18/2012			
LCS1	Arsenic Total ICAP/MS		20	20.3	ug/L	102	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	20.6	ug/L	103	(85-115)	20	1.5
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	1.14	ug/L	114	(50-150)		
MS_201212140226	Arsenic Total ICAP/MS	ND	20	20.9	ug/L	102	(70-130)		
MS2_201212140224	Arsenic Total ICAP/MS	ND	20	20.4	ug/L	102	(70-130)		
MSD_201212140226	Arsenic Total ICAP/MS	ND	20	20.8	ug/L	101	(70-130)	20	0.48
MSD2_201212140224	Arsenic Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)	20	0.99
LCS1	Barium Total ICAP/MS		100	97.8	ug/L	98	(85-115)		
LCS2	Barium Total ICAP/MS		100	97.5	ug/L	98	(85-115)	20	0.41
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.33	ug/L	117	(50-150)		
MS_201212140226	Barium Total ICAP/MS	ND	100	102	ug/L	100	(70-130)		
MS2_201212140224	Barium Total ICAP/MS	9.0	100	105	ug/L	96	(70-130)		
MSD_201212140226	Barium Total ICAP/MS	ND	100	98.0	ug/L	96	(70-130)	20	4.0
MSD2_201212140224	Barium Total ICAP/MS	9.0	100	104	ug/L	95	(70-130)	20	0.96
LCS1	Cadmium Total ICAP/MS		20	19.9	ug/L	99	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	19.5	ug/L	98	(85-115)	20	2.0
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.538	ug/L	108	(50-150)		
MS_201212140226	Cadmium Total ICAP/MS	ND	20	20.6	ug/L	103	(70-130)		
MS2_201212140224	Cadmium Total ICAP/MS	ND	20	20.2	ug/L	101	(70-130)		
MSD_201212140226	Cadmium Total ICAP/MS	ND	20	19.6	ug/L	98	(70-130)	20	5.5
MSD2_201212140224	Cadmium Total ICAP/MS	ND	20	19.7	ug/L	99	(70-130)	20	2.5
LCS1	Chromium Total ICAP/MS		100	99.5	ug/L	100	(85-115)		
LCS2	Chromium Total ICAP/MS		100	100	ug/L	100	(85-115)	20	0.50
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	0.986	ug/L	99	(50-150)		
MS_201212140226	Chromium Total ICAP/MS	ND	100	98.1	ug/L	98	(70-130)		
MS2_201212140224	Chromium Total ICAP/MS	ND	100	98.4	ug/L	98	(70-130)		
MSD_201212140226	Chromium Total ICAP/MS	ND	100	96.6	ug/L	97	(70-130)	20	1.5
MSD2_201212140224	Chromium Total ICAP/MS	ND	100	98.3	ug/L	98	(70-130)	20	0.10
LCS1	Copper Total ICAP/MS		100	100	ug/L	100	(85-115)		

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Copper Total ICAP/MS		100	100	ug/L	100	(85-115)	20	0.0
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.08	ug/L	104	(50-150)		
MS_201212140226	Copper Total ICAP/MS	12.76	100	113	ug/L	100	(70-130)		
MS2_201212140224	Copper Total ICAP/MS	ND	100	100	ug/L	100	(70-130)		
MSD_201212140226	Copper Total ICAP/MS	12.76	100	111	ug/L	98	(70-130)	20	1.8
MSD2_201212140224	Copper Total ICAP/MS	ND	100	100	ug/L	100	(70-130)	20	0.0
LCS1	Lead Total ICAP/MS		20	20.0	ug/L	100	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.0	ug/L	100	(85-115)	20	0.0
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.528	ug/L	106	(50-150)		
MS_201212140226	Lead Total ICAP/MS	ND	20	20.2	ug/L	100	(70-130)		
MS2_201212140224	Lead Total ICAP/MS	ND	20	20.2	ug/L	100	(70-130)		
MSD_201212140226	Lead Total ICAP/MS	ND	20	19.6	ug/L	97	(70-130)	20	3.0
MSD2_201212140224	Lead Total ICAP/MS	ND	20	20.1	ug/L	100	(70-130)	20	0.50
LCS1	Nickel Total ICAP/MS		50	48.8	ug/L	98	(85-115)		
LCS2	Nickel Total ICAP/MS		50	49.0	ug/L	98	(85-115)	20	0.41
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	4.78	ug/L	96	(50-150)		
MS_201212140226	Nickel Total ICAP/MS	ND	50	48.2	ug/L	96	(70-130)		
MS2_201212140224	Nickel Total ICAP/MS	ND	50	48.0	ug/L	96	(70-130)		
MSD_201212140226	Nickel Total ICAP/MS	ND	50	47.2	ug/L	94	(70-130)	20	2.1
MSD2_201212140224	Nickel Total ICAP/MS	ND	50	47.8	ug/L	96	(70-130)	20	0.42
LCS1	Selenium Total ICAP/MS		20	20.2	ug/L	101	(85-115)		
LCS2	Selenium Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	2.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	5.53	ug/L	111	(50-150)		
MS_201212140226	Selenium Total ICAP/MS	ND	20	21.9	ug/L	105	(70-130)		
MS2_201212140224	Selenium Total ICAP/MS	ND	20	21.3	ug/L	107	(70-130)		
MSD_201212140226	Selenium Total ICAP/MS	ND	20	21.2	ug/L	101	(70-130)	20	3.3
MSD2_201212140224	Selenium Total ICAP/MS	ND	20	21.0	ug/L	105	(70-130)	20	1.4
LCS1	Zinc Total ICAP/MS		100	98.6	ug/L	99	(85-115)		
LCS2	Zinc Total ICAP/MS		100	99.6	ug/L	100	(85-115)	20	1.0
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	25.6	ug/L	128	(50-150)		
MS_201212140226	Zinc Total ICAP/MS	ND	100	113	ug/L	104	(70-130)		
MS2_201212140224	Zinc Total ICAP/MS	210	100	315	ug/L	104	(70-130)		
MSD_201212140226	Zinc Total ICAP/MS	ND	100	110	ug/L	102	(70-130)	20	1.8

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD2_201212140224	Zinc Total ICAP/MS	210	100	313	ug/L	102	(70-130)	20	0.64
QC Ref# 685463 - EPA Method 504.1 by EPA 504.1					Analysis Date: 12/17/2012				
DUP_201212100001	1,2-Dibromo-3-chloropropane	ND		ND	ug/L		(0-20)		
MBLK	1,2-Dibromo-3-chloropropane			<0.01	ug/L				
MRL_CHK	1,2-Dibromo-3-chloropropane		0.01	0.0135	ug/L	135	(60-140)		
DUP_201212100001	1,2-Dibromoethane	ND		ND	ug/L		(0-20)		
MBLK	1,2-Dibromoethane			<0.01	ug/L				
MRL_CHK	1,2-Dibromoethane		0.01	0.0115	ug/L	115	(60-140)		
DUP_201212100001	1,2-Dibromopropane (S)			94.7	%	95	(60-140)		
MBLK	1,2-Dibromopropane (S)			91.8	%	92	(60-140)		
MRL_CHK	1,2-Dibromopropane (S)			95.7	%	96	(60-140)		
MRLLW	1,2-Dibromopropane (S)			94.2	%	94	(60-140)		
QC Ref# 685469 - EPA Method 504.1 by EPA 8011					Analysis Date: 12/17/2012				
CCCM	1,2-Dibromo-3-chloropropane		0.25	0.308	ug/L	123	(70-130)		
MBLK	1,2-Dibromo-3-chloropropane			<0.01	ug/L				
MRL_CHK	1,2-Dibromo-3-chloropropane		0.01	0.0135	ug/L	135	(60-140)		
MS_201212100055	1,2-Dibromo-3-chloropropane	ND	0.25	0.261	ug/L	105	(65-135)		
MSD_201212100055	1,2-Dibromo-3-chloropropane	ND	0.25	0.255	ug/L	102	(65-135)	20	2.3
CCCM	1,2-Dibromoethane		0.25	0.298	ug/L	119	(70-130)		
MBLK	1,2-Dibromoethane			<0.01	ug/L				
MRL_CHK	1,2-Dibromoethane		0.01	0.0115	ug/L	115	(60-140)		
MS_201212100055	1,2-Dibromoethane	ND	0.25	0.252	ug/L	101	(65-135)		
MSD_201212100055	1,2-Dibromoethane	ND	0.25	0.253	ug/L	101	(65-135)	20	0.40
CCCM	1,2-Dibromopropane (S)			121	%	121	(60-140)		
MBLK	1,2-Dibromopropane (S)			91.8	%	92	(60-140)		
MRL_CHK	1,2-Dibromopropane (S)			95.7	%	96	(60-140)		
MS_201212100055	1,2-Dibromopropane (S)			94.8	%	95	(60-140)		
MSD_201212100055	1,2-Dibromopropane (S)			92.2	%	92	(60-140)		
QC Ref# 685667 - ICPMS Metals by EPA 200.8					Analysis Date: 12/20/2012				
LCS1	Silver Total ICAP/MS		50	49.2	ug/L	98	(85-115)		
LCS2	Silver Total ICAP/MS		50	49.6	ug/L	99	(85-115)	20	0.81
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.446	ug/L	89	(50-150)		
MS_201212120128	Silver Total ICAP/MS	ND	50	44.3	ug/L	88	(70-130)		
MS2_201212100055	Silver Total ICAP/MS	ND	50	47.0	ug/L	94	(70-130)		
MSD_201212120128	Silver Total ICAP/MS	ND	50	44.3	ug/L	88	(70-130)	20	0.0
MSD2_201212100055	Silver Total ICAP/MS	ND	50	45.6	ug/L	91	(70-130)	20	2.8

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 686361 - EPA Method 504.1 by EPA 8011						Analysis Date: 12/26/2012			
CCCM	1,2-Dibromo-3-chloropropane		0.25	0.276	ug/L	110	(70-130)		
MBLK	1,2-Dibromo-3-chloropropane			<0.01	ug/L				
MRL_CHK	1,2-Dibromo-3-chloropropane		0.01	0.0116	ug/L	116	(60-140)		
MS_201212120128	1,2-Dibromo-3-chloropropane	ND	0.25	0.280	ug/L	112	(65-135)		
MSD_201212120128	1,2-Dibromo-3-chloropropane	ND	0.25	0.283	ug/L	113	(65-135)	20	1.1
CCCM	1,2-Dibromoethane		0.25	0.253	ug/L	101	(70-130)		
MBLK	1,2-Dibromoethane			<0.01	ug/L				
MRL_CHK	1,2-Dibromoethane		0.01	0.0122	ug/L	122	(60-140)		
MS_201212120128	1,2-Dibromoethane	ND	0.25	0.277	ug/L	111	(65-135)		
MSD_201212120128	1,2-Dibromoethane	ND	0.25	0.290	ug/L	116	(65-135)	20	4.6
CCCM	1,2-Dibromopropane (S)			102	%	102	(60-140)		
MBLK	1,2-Dibromopropane (S)			107	%	107	(60-140)		
MRL_CHK	1,2-Dibromopropane (S)			107	%	107	(60-140)		
MS_201212120128	1,2-Dibromopropane (S)			104	%	104	(60-140)		
MSD_201212120128	1,2-Dibromopropane (S)			115	%	115	(60-140)		
QC Ref# 686524 - Chloride, Sulfate by EPA 300.0 by EPA 300.0						Analysis Date: 12/22/2012			
LCS1	Chloride		25	26.3	mg/L	105	(90-110)		
LCS2	Chloride		25	26.3	mg/L	105	(90-110)	20	0.0
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.490	mg/L	98	(50-150)		
MS_201212120128	Chloride	2300	13	3660	mg/L	110	(80-120)		
MSD_201212120128	Chloride	2300	13	3650	mg/L	109	(80-120)	20	0.27
QC Ref# 686667 - Volatile Organics by GCMS by EPA 8260						Analysis Date: 12/22/2012			
LCS1	1,1,1,2-Tetrachloroethane		5.0	4.39	ug/L	88	(70-130)		
LCS2	1,1,1,2-Tetrachloroethane		5.0	4.72	ug/L	94	(70-130)	20	7.2
MBLK	1,1,1,2-Tetrachloroethane			<0.5	ug/L				
MRL_CHK	1,1,1,2-Tetrachloroethane		0.5	0.460	ug/L	92	(50-150)		
MS_201212120128	1,1,1,2-Tetrachloroethane	ND	10	9.49	ug/L	95	(70-130)		
MSD_201212120128	1,1,1,2-Tetrachloroethane	ND	10	10.3	ug/L	103	(70-130)	20	8.2
LCS1	1,1,1-Trichloroethane		5.0	4.40	ug/L	88	(70-130)		
LCS2	1,1,1-Trichloroethane		5.0	5.17	ug/L	103	(70-130)	20	16
MBLK	1,1,1-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,1-Trichloroethane		0.5	0.570	ug/L	114	(50-150)		
MS_201212120128	1,1,1-Trichloroethane	ND	10	9.77	ug/L	98	(70-130)		
MSD_201212120128	1,1,1-Trichloroethane	ND	10	11.3	ug/L	113	(70-130)	20	15
LCS1	1,1,2,2-Tetrachloroethane		5.0	4.53	ug/L	91	(70-130)		

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	1,1,2,2-Tetrachloroethane		5.0	4.77	ug/L	95	(70-130)	20	5.2
MBLK	1,1,2,2-Tetrachloroethane			<0.5	ug/L				
MRL_CHK	1,1,2,2-Tetrachloroethane		0.5	0.510	ug/L	102	(50-150)		
MS_201212120128	1,1,2,2-Tetrachloroethane	ND	10	9.15	ug/L	92	(70-130)		
MSD_201212120128	1,1,2,2-Tetrachloroethane	ND	10	9.88	ug/L	99	(70-130)	20	7.7
LCS1	1,1,2-Trichloroethane		5.0	4.07	ug/L	81	(70-130)		
LCS2	1,1,2-Trichloroethane		5.0	4.37	ug/L	87	(70-130)	20	7.1
MBLK	1,1,2-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,2-Trichloroethane		0.5	0.470	ug/L	94	(50-150)		
MS_201212120128	1,1,2-Trichloroethane	ND	10	9.47	ug/L	95	(70-130)		
MSD_201212120128	1,1,2-Trichloroethane	ND	10	9.43	ug/L	94	(70-130)	20	0.42
LCS1	1,1-Dichloroethane		5.0	4.12	ug/L	82	(70-130)		
LCS2	1,1-Dichloroethane		5.0	4.56	ug/L	91	(70-130)	20	10
MBLK	1,1-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethane		0.5	0.530	ug/L	106	(50-150)		
MS_201212120128	1,1-Dichloroethane	ND	10	8.79	ug/L	88	(70-130)		
MSD_201212120128	1,1-Dichloroethane	ND	10	9.83	ug/L	98	(70-130)	20	11
LCS1	1,1-Dichloroethylene		5.0	5.30	ug/L	106	(70-130)		
LCS2	1,1-Dichloroethylene		5.0	5.65	ug/L	113	(70-130)	20	6.4
MBLK	1,1-Dichloroethylene			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethylene		0.5	0.680	ug/L	136	(50-150)		
MS_201212120128	1,1-Dichloroethylene	ND	10	11.0	ug/L	110	(70-130)		
MSD_201212120128	1,1-Dichloroethylene	ND	10	12.6	ug/L	126	(70-130)	20	14
LCS1	1,2,3-Trichloropropane		5.0	4.34	ug/L	87	(70-130)		
LCS2	1,2,3-Trichloropropane		5.0	4.87	ug/L	97	(70-130)	20	12
MBLK	1,2,3-Trichloropropane			<0.5	ug/L				
MRL_CHK	1,2,3-Trichloropropane		0.5	0.560	ug/L	112	(50-150)		
MS_201212120128	1,2,3-Trichloropropane	ND	10	9.15	ug/L	92	(70-130)		
MSD_201212120128	1,2,3-Trichloropropane	ND	10	10.0	ug/L	100	(70-130)	20	8.9
LCS1	1,2-Dichloroethane		5.0	4.80	ug/L	96	(70-130)		
LCS2	1,2-Dichloroethane		5.0	5.17	ug/L	103	(70-130)	20	7.4
MBLK	1,2-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,2-Dichloroethane		0.5	0.580	ug/L	116	(50-150)		
MS_201212120128	1,2-Dichloroethane	ND	10	9.68	ug/L	97	(70-130)		
MSD_201212120128	1,2-Dichloroethane	ND	10	10.6	ug/L	106	(70-130)	20	9.1
LCS1	1,2-Dichloroethane-d4 (S)			99.4	%	99	(70-130)		
LCS2	1,2-Dichloroethane-d4 (S)			98.4	%	98	(70-130)		
MBLK	1,2-Dichloroethane-d4 (S)			113	%	113	(70-130)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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

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

(S) - Indicates surrogate compound.

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City of Phoenix

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	1,2-Dichloroethane-d4 (S)			106	%	106	(70-130)		
MRLLW	1,2-Dichloroethane-d4 (S)			109	%	109	(70-130)		
MS_201212120128	1,2-Dichloroethane-d4 (S)			101	%	101	(70-130)		
MSD_201212120128	1,2-Dichloroethane-d4 (S)			102	%	102	(70-130)		
LCS1	1,2-Dichloropropane		5.0	4.54	ug/L	91	(70-130)		
LCS2	1,2-Dichloropropane		5.0	4.99	ug/L	100	(70-130)	20	9.4
MBLK	1,2-Dichloropropane			<0.5	ug/L				
MRL_CHK	1,2-Dichloropropane		0.5	0.540	ug/L	108	(50-150)		
MS_201212120128	1,2-Dichloropropane	ND	10	9.36	ug/L	94	(70-130)		
MSD_201212120128	1,2-Dichloropropane	ND	10	10.2	ug/L	102	(70-130)	20	8.6
LCS1	2-Butanone (MEK)		50	47.9	ug/L	96	(70-130)		
LCS2	2-Butanone (MEK)		50	49.9	ug/L	100	(70-130)	20	4.1
MBLK	2-Butanone (MEK)			<5.0	ug/L				
MRL_CHK	2-Butanone (MEK)		5.0	3.57	ug/L	71	(50-150)		
MS_201212120128	2-Butanone (MEK)	ND	100	123	ug/L	123	(70-130)		
MSD_201212120128	2-Butanone (MEK)	ND	100	117	ug/L	117	(70-130)	20	5.0
LCS1	2-Hexanone		50	42.5	ug/L	85	(70-130)		
LCS2	2-Hexanone		50	46.5	ug/L	93	(70-130)	20	9.0
MBLK	2-Hexanone			<5.0	ug/L				
MRL_CHK	2-Hexanone		5.0	4.50	ug/L	90	(50-150)		
MS_201212120128	2-Hexanone	ND	100	111	ug/L	111	(70-130)		
MSD_201212120128	2-Hexanone	ND	100	108	ug/L	108	(70-130)	20	2.7
LCS1	4-Bromofluorobenzene (S)			94.6	%	95	(70-130)		
LCS2	4-Bromofluorobenzene (S)			98.0	%	98	(70-130)		
MBLK	4-Bromofluorobenzene (S)			102	%	102	(70-130)		
MRL_CHK	4-Bromofluorobenzene (S)			99.2	%	99	(70-130)		
MRLLW	4-Bromofluorobenzene (S)			94.4	%	94	(70-130)		
MS_201212120128	4-Bromofluorobenzene (S)			97.0	%	97	(70-130)		
MSD_201212120128	4-Bromofluorobenzene (S)			96.2	%	96	(70-130)		
LCS1	4-Methyl-2-Pentanone (MIBK)		50	50.3	ug/L	101	(70-130)		
LCS2	4-Methyl-2-Pentanone (MIBK)		50	54.5	ug/L	109	(70-130)	20	8.0
MBLK	4-Methyl-2-Pentanone (MIBK)			<5	ug/L				
MRL_CHK	4-Methyl-2-Pentanone (MIBK)		5.0	4.37	ug/L	87	(50-150)		
MS_201212120128	4-Methyl-2-Pentanone (MIBK)	ND	100	125	ug/L	125	(70-130)		
MSD_201212120128	4-Methyl-2-Pentanone (MIBK)	ND	100	124	ug/L	124	(70-130)	20	0.80
LCS1	Acetone		50	48.4	ug/L	97	(70-130)		
LCS2	Acetone		50	51.2	ug/L	102	(70-130)	20	5.6
MBLK	Acetone			<5	ug/L				

Spike recovery is already corrected for native results.

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Acetone		5.0	6.92	ug/L	138	(50-150)		
MS_201212120128	Acetone	ND	100	129	ug/L	129	(70-130)		
MSD_201212120128	Acetone	ND	100	114	ug/L	114	(70-130)	20	12
LCS1	Acrylonitrile (Screen)		5.0	4.83	ug/L	97	(70-130)		
LCS2	Acrylonitrile (Screen)		5.0	5.23	ug/L	105	(70-130)	20	8.0
MBLK	Acrylonitrile (Screen)			<50	ug/L				
MRL_CHK	Acrylonitrile (Screen)		0.5	0.750	ug/L	150	(15-150)		
MS_201212120128	Acrylonitrile (Screen)	ND	10	11.8	ug/L	118	(70-130)		
MSD_201212120128	Acrylonitrile (Screen)	ND	10	11.3	ug/L	113	(70-130)	20	4.3
LCS1	Benzene		5.0	4.25	ug/L	85	(70-130)		
LCS2	Benzene		5.0	4.96	ug/L	99	(70-130)	20	15
MBLK	Benzene			<0.5	ug/L				
MRL_CHK	Benzene		0.5	0.590	ug/L	118	(50-150)		
MS_201212120128	Benzene	ND	10	9.07	ug/L	91	(70-130)		
MSD_201212120128	Benzene	ND	10	10.6	ug/L	106	(70-130)	20	16
LCS1	Bromochloromethane		5.0	4.82	ug/L	96	(70-130)		
LCS2	Bromochloromethane		5.0	5.12	ug/L	102	(70-130)	20	6.0
MBLK	Bromochloromethane			<0.5	ug/L				
MRL_CHK	Bromochloromethane		0.5	0.610	ug/L	122	(50-150)		
MS_201212120128	Bromochloromethane	ND	10	10.1	ug/L	101	(70-130)		
MSD_201212120128	Bromochloromethane	ND	10	10.5	ug/L	105	(70-130)	20	3.9
LCS1	Bromodichloromethane		5.0	4.23	ug/L	85	(70-130)		
LCS2	Bromodichloromethane		5.0	4.51	ug/L	90	(70-130)	20	6.4
MBLK	Bromodichloromethane			<0.5	ug/L				
MRL_CHK	Bromodichloromethane		0.5	0.530	ug/L	106	(50-150)		
MS_201212120128	Bromodichloromethane	ND	10	9.03	ug/L	90	(70-130)		
MSD_201212120128	Bromodichloromethane	ND	10	9.94	ug/L	99	(70-130)	20	9.6
LCS1	Bromoform		5.0	3.59	ug/L	72	(70-130)		
LCS2	Bromoform		5.0	4.03	ug/L	81	(70-130)	20	12
MBLK	Bromoform			<0.5	ug/L				
MRL_CHK	Bromoform		0.5	0.400	ug/L	80	(50-150)		
MS_201212120128	Bromoform	ND	10	8.72	ug/L	87	(70-130)		
MSD_201212120128	Bromoform	ND	10	9.94	ug/L	99	(70-130)	20	13
LCS1	Bromomethane (Methyl Bromide)		5.0	5.57	ug/L	111	(70-130)		
LCS2	Bromomethane (Methyl Bromide)		5.0	6.23	ug/L	125	(70-130)	20	11
MBLK	Bromomethane (Methyl Bromide)			<0.5	ug/L				
MRL_CHK	Bromomethane (Methyl Bromide)		0.5	0.400	ug/L	80	(50-150)		
MS_201212120128	Bromomethane (Methyl Bromide)	ND	10	9.20	ug/L	92	(70-130)		

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201212120128	Bromomethane (Methyl Bromide)	ND	10	11.4	ug/L	114	(70-130)	20	<u>21</u>
LCS1	Carbon disulfide		5.0	4.45	ug/L	89	(70-130)		
LCS2	Carbon disulfide		5.0	4.88	ug/L	98	(70-130)	20	9.2
MBLK	Carbon disulfide			<0.5	ug/L				
MRL_CHK	Carbon disulfide		0.5	0.400	ug/L	80	(50-150)		
MS_201212120128	Carbon disulfide	ND	10	8.96	ug/L	90	(70-130)		
MSD_201212120128	Carbon disulfide	ND	10	10.4	ug/L	105	(70-130)	20	16
LCS1	Carbon Tetrachloride		5.0	4.78	ug/L	96	(70-130)		
LCS2	Carbon Tetrachloride		5.0	5.11	ug/L	102	(70-130)	20	6.7
MBLK	Carbon Tetrachloride			<0.5	ug/L				
MRL_CHK	Carbon Tetrachloride		0.5	0.560	ug/L	112	(50-150)		
MS_201212120128	Carbon Tetrachloride	ND	10	10.3	ug/L	103	(70-130)		
MSD_201212120128	Carbon Tetrachloride	ND	10	11.5	ug/L	115	(70-130)	20	11
LCS1	Chlorobenzene		5.0	4.56	ug/L	91	(70-130)		
LCS2	Chlorobenzene		5.0	5.02	ug/L	100	(70-130)	20	9.6
MBLK	Chlorobenzene			<0.5	ug/L				
MRL_CHK	Chlorobenzene		0.5	0.470	ug/L	94	(50-150)		
MS_201212120128	Chlorobenzene	ND	10	9.66	ug/L	97	(70-130)		
MSD_201212120128	Chlorobenzene	ND	10	10.7	ug/L	107	(70-130)	20	10
LCS1	Chlorodibromomethane		5.0	3.94	ug/L	79	(70-130)		
LCS2	Chlorodibromomethane		5.0	4.34	ug/L	87	(70-130)	20	9.7
MBLK	Chlorodibromomethane			<0.5	ug/L				
MRL_CHK	Chlorodibromomethane		0.5	0.410	ug/L	82	(50-150)		
MS_201212120128	Chlorodibromomethane	ND	10	9.69	ug/L	97	(70-130)		
MSD_201212120128	Chlorodibromomethane	ND	10	10.0	ug/L	100	(70-130)	20	3.1
LCS1	Chloroethane		5.0	5.86	ug/L	117	(70-130)		
LCS2	Chloroethane		5.0	6.35	ug/L	127	(70-130)	20	8.0
MBLK	Chloroethane			<0.5	ug/L				
MRL_CHK	Chloroethane		0.5	0.550	ug/L	110	(50-150)		
MS_201212120128	Chloroethane	ND	10	9.96	ug/L	100	(70-130)		
MSD_201212120128	Chloroethane	ND	10	11.7	ug/L	117	(70-130)	20	16
LCS1	Chloroform (Trichloromethane)		5.0	4.81	ug/L	96	(70-130)		
LCS2	Chloroform (Trichloromethane)		5.0	5.28	ug/L	106	(70-130)	20	9.3
MBLK	Chloroform (Trichloromethane)			<0.5	ug/L				
MRL_CHK	Chloroform (Trichloromethane)		0.5	0.640	ug/L	128	(50-150)		
MS_201212120128	Chloroform (Trichloromethane)	ND	10	10.1	ug/L	101	(70-130)		
MSD_201212120128	Chloroform (Trichloromethane)	ND	10	11.3	ug/L	113	(70-130)	20	11
LCS1	Chloromethane(Methyl Chloride)		5.0	5.10	ug/L	102	(70-130)		

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	Chloromethane(Methyl Chloride)		5.0	5.43	ug/L	109	(70-130)	20	6.3
MBLK	Chloromethane(Methyl Chloride)			<0.5	ug/L				
MRL_CHK	Chloromethane(Methyl Chloride)		0.5	0.550	ug/L	110	(50-150)		
MS_201212120128	Chloromethane(Methyl Chloride)	ND	10	8.90	ug/L	89	(70-130)		
MSD_201212120128	Chloromethane(Methyl Chloride)	ND	10	10.7	ug/L	107	(70-130)	20	18
LCS1	cis-1,2-Dichloroethylene		5.0	4.85	ug/L	97	(70-130)		
LCS2	cis-1,2-Dichloroethylene		5.0	5.32	ug/L	106	(70-130)	20	9.2
MBLK	cis-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	cis-1,2-Dichloroethylene		0.5	0.650	ug/L	130	(50-150)		
MS_201212120128	cis-1,2-Dichloroethylene	ND	10	10.2	ug/L	102	(70-130)		
MSD_201212120128	cis-1,2-Dichloroethylene	ND	10	11.4	ug/L	114	(70-130)	20	11
LCS1	cis-1,3-Dichloropropene		5.0	4.49	ug/L	90	(70-130)		
LCS2	cis-1,3-Dichloropropene		5.0	4.74	ug/L	95	(70-130)	20	5.4
MBLK	cis-1,3-Dichloropropene			<0.5	ug/L				
MRL_CHK	cis-1,3-Dichloropropene		0.5	0.480	ug/L	96	(50-150)		
MS_201212120128	cis-1,3-Dichloropropene	ND	10	8.93	ug/L	89	(70-130)		
MSD_201212120128	cis-1,3-Dichloropropene	ND	10	10.2	ug/L	102	(70-130)	20	13
LCS1	Dibromomethane		5.0	4.37	ug/L	87	(70-130)		
LCS2	Dibromomethane		5.0	4.76	ug/L	95	(70-130)	20	8.5
MBLK	Dibromomethane			<0.5	ug/L				
MRL_CHK	Dibromomethane		0.5	0.540	ug/L	108	(50-150)		
MS_201212120128	Dibromomethane	ND	10	9.28	ug/L	93	(70-130)		
MSD_201212120128	Dibromomethane	ND	10	9.99	ug/L	100	(70-130)	20	7.4
LCS1	Dichloromethane		5.0	4.71	ug/L	94	(70-130)		
LCS2	Dichloromethane		5.0	5.34	ug/L	107	(70-130)	20	13
MBLK	Dichloromethane			<0.5	ug/L				
MRL_CHK	Dichloromethane		0.5	0.430	ug/L	86	(50-150)		
MS_201212120128	Dichloromethane	ND	10	10.7	ug/L	104	(70-130)		
MSD_201212120128	Dichloromethane	ND	10	11.9	ug/L	117	(70-130)	20	11
LCS1	Ethyl benzene		5.0	4.18	ug/L	84	(70-130)		
LCS2	Ethyl benzene		5.0	4.52	ug/L	90	(70-130)	20	7.8
MBLK	Ethyl benzene			<0.5	ug/L				
MRL_CHK	Ethyl benzene		0.5	0.540	ug/L	108	(50-150)		
MS_201212120128	Ethyl benzene	ND	10	9.32	ug/L	93	(70-130)		
MSD_201212120128	Ethyl benzene	ND	10	10.7	ug/L	107	(70-130)	20	14
LCS1	Iodomethane		5.0	4.34	ug/L	87	(70-130)		
LCS2	Iodomethane		5.0	4.84	ug/L	97	(70-130)	20	11
MBLK	Iodomethane			<0.1	ug/L				

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

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

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Iodomethane		0.5	0.590	ug/L	118	(50-150)		
MS_201212120128	Iodomethane	ND	10	11.1	ug/L	111	(70-130)		
MSD_201212120128	Iodomethane	ND	10	11.0	ug/L	110	(70-130)	20	0.91
LCS1	m,p-Xylenes		10	8.50	ug/L	85	(70-130)		
LCS2	m,p-Xylenes		10	9.40	ug/L	94	(70-130)	20	10
MBLK	m,p-Xylenes			<0.5	ug/L				
MRL_CHK	m,p-Xylenes		1.0	0.940	ug/L	94	(50-150)		
MRLLW	m,p-Xylenes		0.5	0.650	ug/L	130	(50-150)		
MS_201212120128	m,p-Xylenes	ND	20	19.0	ug/L	95	(70-130)		
MSD_201212120128	m,p-Xylenes	ND	20	21.5	ug/L	108	(70-130)	20	12
LCS1	Methyl Tert-butyl ether (MTBE)		5.0	4.97	ug/L	99	(70-130)		
LCS2	Methyl Tert-butyl ether (MTBE)		5.0	5.34	ug/L	107	(70-130)	20	7.2
MBLK	Methyl Tert-butyl ether (MTBE)			<0.5	ug/L				
MRL_CHK	Methyl Tert-butyl ether (MTBE)		0.5	0.560	ug/L	112	(50-150)		
MS_201212120128	Methyl Tert-butyl ether (MTBE)	ND	10	10.2	ug/L	102	(70-130)		
MSD_201212120128	Methyl Tert-butyl ether (MTBE)	ND	10	10.8	ug/L	108	(70-130)	20	5.7
LCS1	o-Dichlorobenzene (1,2-DCB)		5.0	4.87	ug/L	97	(70-130)		
LCS2	o-Dichlorobenzene (1,2-DCB)		5.0	4.92	ug/L	98	(70-130)	20	1.0
MBLK	o-Dichlorobenzene (1,2-DCB)			<0.5	ug/L				
MRL_CHK	o-Dichlorobenzene (1,2-DCB)		0.5	0.530	ug/L	106	(50-150)		
MS_201212120128	o-Dichlorobenzene (1,2-DCB)	ND	10	8.78	ug/L	88	(70-130)		
MSD_201212120128	o-Dichlorobenzene (1,2-DCB)	ND	10	9.88	ug/L	99	(70-130)	20	12
LCS1	o-Xylene		5.0	3.91	ug/L	78	(70-130)		
LCS2	o-Xylene		5.0	4.37	ug/L	87	(70-130)	20	11
MBLK	o-Xylene			<0.5	ug/L				
MRL_CHK	o-Xylene		0.5	0.570	ug/L	114	(50-150)		
MS_201212120128	o-Xylene	ND	10	9.20	ug/L	92	(70-130)		
MSD_201212120128	o-Xylene	ND	10	10.1	ug/L	101	(70-130)	20	9.3
LCS1	p-Dichlorobenzene (1,4-DCB)		5.0	4.78	ug/L	96	(70-130)		
LCS2	p-Dichlorobenzene (1,4-DCB)		5.0	5.11	ug/L	102	(70-130)	20	6.7
MBLK	p-Dichlorobenzene (1,4-DCB)			<0.5	ug/L				
MRL_CHK	p-Dichlorobenzene (1,4-DCB)		0.5	0.470	ug/L	94	(50-150)		
MS_201212120128	p-Dichlorobenzene (1,4-DCB)	ND	10	8.94	ug/L	89	(70-130)		
MSD_201212120128	p-Dichlorobenzene (1,4-DCB)	ND	10	11.0	ug/L	110	(70-130)	20	<u>21</u>
LCS1	Styrene		5.0	4.26	ug/L	85	(70-130)		
LCS2	Styrene		5.0	4.64	ug/L	93	(70-130)	20	8.5
MBLK	Styrene			<0.5	ug/L				
MRL_CHK	Styrene		0.5	0.580	ug/L	116	(50-150)		

Spike recovery is already corrected for native results.

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

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City of Phoenix

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_201212120128	Styrene	ND	10	7.21	ug/L	72	(70-130)		
MSD_201212120128	Styrene	ND	10	8.53	ug/L	85	(70-130)	20	17
LCS1	Tetrachloroethylene (PCE)		5.0	4.54	ug/L	91	(70-130)		
LCS2	Tetrachloroethylene (PCE)		5.0	4.80	ug/L	96	(70-130)	20	5.6
MBLK	Tetrachloroethylene (PCE)			<0.5	ug/L				
MRL_CHK	Tetrachloroethylene (PCE)		0.5	0.520	ug/L	104	(50-150)		
MS_201212120128	Tetrachloroethylene (PCE)	ND	10	9.49	ug/L	95	(70-130)		
MSD_201212120128	Tetrachloroethylene (PCE)	ND	10	11.1	ug/L	111	(70-130)	20	16
LCS1	Toluene		5.0	4.30	ug/L	86	(70-130)		
LCS2	Toluene		5.0	4.61	ug/L	92	(70-130)	20	7.0
MBLK	Toluene			<0.5	ug/L				
MRL_CHK	Toluene		0.5	0.480	ug/L	96	(50-150)		
MS_201212120128	Toluene	ND	10	9.09	ug/L	91	(70-130)		
MSD_201212120128	Toluene	ND	10	10.3	ug/L	103	(70-130)	20	13
LCS1	Toluene-d8 (S)			98.2	%	98	(70-130)		
LCS2	Toluene-d8 (S)			98.8	%	99	(70-130)		
MBLK	Toluene-d8 (S)			74.0	%	74	(70-130)		
MRL_CHK	Toluene-d8 (S)			93.4	%	93	(70-130)		
MRLW	Toluene-d8 (S)			82.4	%	82	(70-130)		
MS_201212120128	Toluene-d8 (S)			116	%	116	(70-130)		
MSD_201212120128	Toluene-d8 (S)			106	%	106	(70-130)		
LCS1	trans-1,2-Dichloroethylene		5.0	3.96	ug/L	79	(70-130)		
LCS2	trans-1,2-Dichloroethylene		5.0	4.21	ug/L	84	(70-130)	20	6.1
MBLK	trans-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	trans-1,2-Dichloroethylene		0.5	0.510	ug/L	102	(50-150)		
MS_201212120128	trans-1,2-Dichloroethylene	ND	10	7.91	ug/L	79	(70-130)		
MSD_201212120128	trans-1,2-Dichloroethylene	ND	10	9.23	ug/L	92	(70-130)	20	15
LCS1	trans-1,3-Dichloropropene		5.0	4.43	ug/L	89	(70-130)		
LCS2	trans-1,3-Dichloropropene		5.0	4.75	ug/L	95	(70-130)	20	7.0
MBLK	trans-1,3-Dichloropropene			<0.5	ug/L				
MRL_CHK	trans-1,3-Dichloropropene		0.5	0.440	ug/L	88	(50-150)		
MS_201212120128	trans-1,3-Dichloropropene	ND	10	9.90	ug/L	99	(70-130)		
MSD_201212120128	trans-1,3-Dichloropropene	ND	10	10.6	ug/L	106	(70-130)	20	6.8
LCS1	trans-1,4-dichloro-2-butene		5.0	4.54	ug/L	91	(70-130)		
LCS2	trans-1,4-dichloro-2-butene		5.0	5.22	ug/L	104	(70-130)	20	14
MBLK	trans-1,4-dichloro-2-butene			<10	ug/L				
MRL_CHK	trans-1,4-dichloro-2-butene		0.5	0	ug/L	<u>0</u>	(50-150)		
MS_201212120128	trans-1,4-dichloro-2-butene	ND	10	9.39	ug/L	94	(70-130)		

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201212120128	trans-1,4-dichloro-2-butene	ND	10	10.5	ug/L	105	(70-130)	20	11
LCS1	Trichloroethylene (TCE)		5.0	4.41	ug/L	88	(70-130)		
LCS2	Trichloroethylene (TCE)		5.0	4.91	ug/L	98	(70-130)	20	11
MBLK	Trichloroethylene (TCE)			<0.5	ug/L				
MRL_CHK	Trichloroethylene (TCE)		0.5	0.520	ug/L	104	(50-150)		
MS_201212120128	Trichloroethylene (TCE)	ND	10	8.54	ug/L	85	(70-130)		
MSD_201212120128	Trichloroethylene (TCE)	ND	10	10.4	ug/L	104	(70-130)	20	20
LCS1	Trichlorofluoromethane		5.0	5.09	ug/L	102	(70-130)		
LCS2	Trichlorofluoromethane		5.0	5.45	ug/L	109	(70-130)	20	6.8
MBLK	Trichlorofluoromethane			<0.5	ug/L				
MRL_CHK	Trichlorofluoromethane		0.5	0.510	ug/L	102	(50-150)		
MS_201212120128	Trichlorofluoromethane	ND	10	9.68	ug/L	97	(70-130)		
MSD_201212120128	Trichlorofluoromethane	ND	10	11.3	ug/L	113	(70-130)	20	15
LCS1	Vinyl Acetate		25	6.87	ug/L	<u>28</u>	(70-130)		
LCS2	Vinyl Acetate		25	7.32	ug/L	<u>29</u>	(70-130)	20	6.3
MBLK	Vinyl Acetate			<5.0	ug/L				
MRL_CHK	Vinyl Acetate		2.5	2.74	ug/L	110	(50-150)		
MS_201212120128	Vinyl Acetate	ND	50	35.0	ug/L	70	(70-130)		
MSD_201212120128	Vinyl Acetate	ND	50	37.6	ug/L	75	(70-130)	20	7.2
LCS1	Vinyl chloride (VC)		5.0	5.02	ug/L	100	(70-130)		
LCS2	Vinyl chloride (VC)		5.0	5.51	ug/L	110	(70-130)	20	9.3
MBLK	Vinyl chloride (VC)			<0.3	ug/L				
MRL_CHK	Vinyl chloride (VC)		0.5	0.560	ug/L	112	(50-150)		
MRLW	Vinyl chloride (VC)		0.25	0.230	ug/L	92	(50-150)		
MS_201212120128	Vinyl chloride (VC)	ND	10	9.10	ug/L	91	(70-130)		
MSD_201212120128	Vinyl chloride (VC)	ND	10	11.1	ug/L	111	(70-130)	20	20

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