

MWH Laboratories

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: PHOENIX-LF
 Group#: 260163
 Project#: 19-2008-4
 Proj Mgr: Tom French
 Phone: 480 778 1558

The following samples were received from you on 12/01/08. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2812010123	19L-408		Water	01-dec-2008 08:06:00
		@624LF1 @RAD	2CEVE1 ADEQ_ID	AG-MS ALK
		ANION AS-MS	B BA-MS	BE-MS BOD
		CA CATION1	CD-MS CL-LF	CN CO3
		COD CR-MS	CU-MS F	FE HCO3
		HG K	MG MN-MS	NA NH3-LF
		NI-MS NO3RFALF	OH P	PB-MS PH
		PHENOLLF SAMPLETP	SB-MS SE-MS	SO4-LF T
		T-P TDS-LF	TKN-LF TL-MS	TOC TOX-LF
		WELLID ZN-MS		
2812010124	19LTB-408		Water	01-dec-2008 08:06:00
		@624LF1 ADEQ_ID	SAMPLETP WELLID	
2812010126	19DE-408		Water	01-dec-2008 11:12:00
		NO3RFALF		
2812010127	19VER-408		Water	01-dec-2008 11:13:00
		NO3RFALF		

Test Acronym Description

Test Acronym	Description
@624LF1	Volatile Organics HSL
@RAD	Gross Alpha and Beta Radiation
2CEVE1	2-Chloroethylvinylether
ADEQ_ID	ADEQ ID number
AG-MS	Silver, Total, ICAP/MS
ALK	Alkalinity in CaCO3 units
ANION	Anion Sum - Calculated
AS-MS	Arsenic, Total, ICAP/MS
B	Boron, Total, ICAP
BA-MS	Barium, Total, ICAP/MS
BE-MS	Beryllium, Total, ICAP/MS

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 Phone: 480 778 1558

Test Acronym Description

Test Acronym	Description
BOD	Biochemical Oxygen Demand, Totl
CA	Calcium, Total, ICAP
CATION1	Cation Sum - Calculated
CD-MS	Cadmium, Total, ICAP/MS
CL-LF	Chloride
CN	Cyanide by manual distillation
CO3	Carbonate as CO3, Calculated
COD	Chemical Oxygen Demand (COD)
CR-MS	Chromium, Total, ICAP/MS
CU-MS	Copper, Total, ICAP/MS
F	Fluoride
FE	Iron, Total, ICAP
HCO3	Bicarb. Alkalinity as HCO3, calc
HG	Mercury
K	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
MN-MS	Manganese, Total, ICAP/MS
NA	Sodium, Total, ICAP
NH3-LF	Ammonia Nitrogen
NI-MS	Nickel, Total, ICAP/MS
NO3RFALF	Nitrate + Nitrite as N by RFA
OH	Hydroxide as OH, Calculated
P	Metals sample pH
PB-MS	Lead, Total, ICAP/MS
PH	PH (H3=past HT, not compliant)
PHENOLLF	Phenolic Compounds
SAMPLETP	Sample Type
SB-MS	Antimony, Total, ICAP/MS
SE-MS	Selenium, Total, ICAP/MS
SO4-LF	Sulfate
T	Metals Turbidity
T-P	Total phosphorus as P
TDS-LF	Total Dissolved Solid (TDS)
TKN-LF	Kjeldahl Nitrogen
TL-MS	Thallium, Total, ICAP/MS
TOC	Total Organic Carbon
TOX-LF	Total Organic Halogen
WELLID	Well ID
ZN-MS	Zinc, Total, ICAP/MS



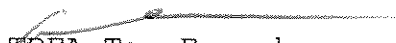
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Laboratory Report

for

City of Phoenix
Public Works Department
Solid Waste Disposal Mgt Div
3060 South 27th Avenue
Phoenix , AZ 85009-6810
Attention: Hillary Hartline
Fax: (602) 534-9872

DATE OF ISSUE
Dec 30 2008
MWH LABORATORIES


TDFA Tom French
Project Manager



Report#: 260163
Project: 19-2008-4

ADHS License# AZ0455

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



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Report
Comments
#260163

Group Comments

Analytical results for Biological Oxygen Demand are
submitted by Aquatic Consulting & Testing, Tempe, AZ. AZ0003

(QC Ref#: 2812010123)

Test: Total Dissolved Solid (TDS) (SM2540C/E160.1)

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Laboratory
Hits Report
#260163

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

Samples Received
01-dec-2008 13:20:39

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812010123	19L-408				
12/10/08		Methyl Chloride	0.2		ug/l	0.2
12/10/08		Alpha, Gross	4.8	15	pCi/l	2.0
12/10/08		Alpha, Min Detectable Activity	2.00		pCi/l	
12/10/08		Alpha, Two Sigma Error	2.2		pCi/l	
12/10/08		Beta, Gross	6.7		pCi/l	1.9
12/10/08		Beta, Min Detectable Activity	1.85		pCi/l	
12/10/08		Beta, Two Sigma Error	1.9		pCi/l	
12/10/08		Gross Alpha + adjusted error	6.65		pCi/l	
12/08/08		Alkalinity in CaCO3 units	256		mg/l	2.0
12/18/08		Anion Sum - Calculated	13.		meq/l	0.0010
12/11/08		Arsenic, Total, ICAP/MS	5.3	10	ug/l	5.0
12/09/08		Barium, Total, ICAP/MS	67	2000	ug/l	2.0
12/09/08		Bicarb.Alkalinity as HCO3,calc	312.		mg/l	2.0
12/03/08		Boron, Total, ICAP	0.51		mg/l	0.050
12/03/08		Calcium, Total, ICAP	66		mg/l	1.0
12/05/08		Cation Sum - Calculated	13.		meq/l	0.0010
12/15/08		Chloride	197		mg/l	5.0
12/09/08		Chromium, Total, ICAP/MS	2.5	100	ug/l	1.0
12/09/08		Copper, Total, ICAP/MS	8.7	1300	ug/l	2.0
12/04/08		Fluoride	0.18	4	mg/l	0.050
12/03/08		Magnesium, Total, ICAP	28		mg/l	0.10
12/09/08		Manganese, Total, ICAP/MS	6.1	50	ug/l	2.0
12/03/08		Nitrate + Nitrite as N by RFA	0.52		mg/l	0.030
12/02/08		PH (H3=past HT, not compliant)	7.4	6.5-8.5	Units	0.010
12/03/08		Potassium, Total, ICAP	6.2		mg/l	1.0
12/04/08		Sample Type	FO		None	
12/03/08		Sodium, Total, ICAP	170		mg/l	1.0
12/15/08		Sulfate	113		mg/l	5.0

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory
Hits Report
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Samples Received
01-dec-2008 13:20:39

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812010123	19L-408				
12/04/08	Total Dissolved Solid (TDS)		780		mg/l	10
12/05/08	Total Organic Carbon		0.83		mg/l	0.30
12/11/08	Total Organic Halogen		6.84		ug/l	5.0
12/04/08	Well ID		I-1		None	
	2812010124	19LTB-408				
12/10/08	Methyl Chloride		0.2		ug/l	0.2
12/04/08	Sample Type		TB		None	
12/04/08	Well ID		I-1		None	
	2812010126	19DE-408				
12/03/08	Nitrate + Nitrite as N by RFA		2.8		mg/l	0.030
	2812010127	19VER-408				
12/03/08	Nitrate + Nitrite as N by RFA		2.8		mg/l	0.030

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Laboratory
Report
#260163

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

Samples Received
01-dec-2008 13:20:39

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
19L-408 (2812010123)		Sampled on 12/01/08						
	12/05/08	463216	(ML/E624/E8260)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	12/09/08	463615	(ML/EPA 200.8)	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	12/08/08	463279	(SM 2320B)	Alkalinity in CaCO3 units	256	mg/l	2.0	1
	12/18/08		(SM 1030E)	Anion Sum - Calculated	13.	meq/l	0.001	1
	12/11/08	464028	(ML/EPA 200.8)	Arsenic, Total, ICAP/MS	5.3	ug/l	5.0	5
	12/03/08	462834	(ML/EPA 200.7)	Boron, Total, ICAP	0.51	mg/l	0.050	1
	12/09/08	463625	(ML/EPA 200.8)	Barium, Total, ICAP/MS	67	ug/l	2.0	1
	12/10/08	463842	(ML/EPA 200.8)	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	12/03/08	465964	(SM 5210B/405.1)	Biochemical Oxygen Demand, Totl	ND	mg/l	2.0	1
	12/03/08	462836	(ML/EPA 200.7)	Calcium, Total, ICAP	66	mg/l	1.0	1
	12/05/08		(SM 1030E)	Cation Sum - Calculated	13.	meq/l	0.001	1
	12/09/08	463619	(ML/EPA 200.8)	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	12/15/08	464283	(ML/EPA 300)	Chloride	197	mg/l	5.0	10
12/04/08	12/04/08	462999	(EPA 335.4)	Cyanide by manual distillation	ND	mg/l	0.005	1
	12/09/08		(SM 2330B)	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	12/05/08	463070	(EPA 410.4)	Chemical Oxygen Demand (COD)	ND	mg/l	5.0	1
	12/09/08	463590	(ML/EPA 200.8)	Chromium, Total, ICAP/MS	2.5	ug/l	1.0	1
	12/09/08	463603	(ML/EPA 200.8)	Copper, Total, ICAP/MS	8.7	ug/l	2.0	1
	12/04/08	462957	(SM 4500F-C)	Fluoride	0.18	mg/l	0.050	1
	12/03/08	462849	(ML/EPA 200.7)	Iron, Total, ICAP	ND	mg/l	0.020	1
	12/09/08		(SM 2330B)	Bicarb. Alkalinity as HCO3, calc	312.	mg/l	2.0	1
	12/05/08	463103	(EPA 245.1)	Mercury	ND	ug/l	0.20	1
	12/03/08	462839	(ML/EPA 200.7)	Potassium, Total, ICAP	6.2	mg/l	1.0	1
	12/03/08	462841	(ML/EPA 200.7)	Magnesium, Total, ICAP	28	mg/l	0.10	1
	12/09/08	463593	(ML/EPA 200.8)	Manganese, Total, ICAP/MS	6.1	ug/l	2.0	1
	12/03/08	462845	(ML/EPA 200.7)	Sodium, Total, ICAP	170	mg/l	1.0	1
	12/08/08	463404	(ML/EPA 350.1)	Ammonia Nitrogen	ND	mg/l	0.030	1
	12/09/08	463600	(ML/EPA 200.8)	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	12/03/08	462780	(EPA 353.2)	Nitrate + Nitrite as N by RFA	0.52	mg/l	0.030	1
	12/03/08		(SM 2330B)	Hydroxide as OH, Calculated	ND	mg/l	2.0	1



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Laboratory
Report
#260163

City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/09/08	463631	(ML/EPA 200.8)	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/02/08	462577	(SM 4500-HB)	PH (H3=past HT, not compliant)	7.4	Units	0.010	1
12/03/08	12/04/08	462940	(ML/EPA 420.1)	Phenolic Compounds	ND	mg/l	0.005	1
	12/04/08		(NONE)	Sample Type	FO	None	0.0000	1
	12/09/08	463622	(ML/EPA 200.8)	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	12/10/08	463843	(ML/EPA 200.8)	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/15/08	464284	(ML/EPA 300.0)	Sulfate	113	mg/l	5.0	10
	12/03/08	462934	(S4500PF/ 365.1)	Total phosphorus as P	ND	mg/l	0.020	1
12/04/08	12/04/08	463358	(SM2540C/E160.1)	Total Dissolved Solid (TDS)	780	mg/l	10	1
	12/04/08	463063	(ML/EPA 351.2)	Kjeldahl Nitrogen	ND	mg/l	0.10	1
	12/09/08	463628	(ML/EPA 200.8)	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	12/05/08	463194	(SM5310C/E415.3)	Total Organic Carbon	0.83	mg/l	0.30	1
	12/11/08	464289	(ML/EPA 9020)	Total Organic Halogen	6.84	ug/l	5.0	1
	12/04/08		(NONE)	Well ID	I-1	None	0.0000	1
	12/09/08	463606	(ML/EPA 200.8)	Zinc, Total, ICAP/MS	ND	ug/l	20	1
Gross Alpha and Beta Radiation								
	12/10/08	464776	(ML/EPA 900.0)	Alpha, Gross	4.8	pCi/l	2.0	1
	12/10/08	464776	(ML/EPA 900.0)	Gross Alpha + adjusted error	6.65	pCi/l	0.0000	1
	12/10/08	464776	(ML/EPA 900.0)	Alpha, Two Sigma Error	2.2	pCi/l	0.0000	1
	12/10/08	464776	(ML/EPA 900.0)	Alpha, Min Detectable Activity	2.00	pCi/l	0.0000	1
	12/10/08	464776	(ML/EPA 900.0)	Beta, Gross	6.7	pCi/l	1.9	1
	12/10/08	464776	(ML/EPA 900.0)	Beta, Two Sigma Error	1.9	pCi/l	0.0000	1
	12/10/08	464776	(ML/EPA 900.0)	Beta, Min Detectable Activity	1.85	pCi/l	0.0000	1
Volatile Organics HSL								
	12/10/08	463846	(ML/EPA 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	2-Chloroethylvinyl ether	NA	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Acetone	ND	ug/l	50	1

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 City of Phoenix
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/10/08	463846	(ML/EPA 624	) Benzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Chlorobenzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Bromoform	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Chloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Carbon Tetrachloride	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Dibromochloromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Dichlorobromomethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Ethyl benzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Freon 113	ND	ug/l	2.0	1
	12/10/08	463846	(ML/EPA 624	) Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Methyl Bromide	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Methyl Chloride	0.2	ug/l	0.20	1
	12/10/08	463846	(ML/EPA 624	) Methylene Chloride	ND	ug/l	2.0	1
	12/10/08	463846	(ML/EPA 624	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Tetrachloroethylene (PCE)	ND	ug/l	0.20	1
	12/10/08	463846	(ML/EPA 624	) trans-1,2-Dichloroethene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Trichlorofluoromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Toluene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Total Trihalomethanes	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Total Xylenes	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624	) Vinyl Chloride (VC)	ND	ug/l	0.50	1
			(Surrogate	) 1,2-Dichloroethane-d4 (80-120)	102	% Rec		
			(Surrogate) 4-Bromofluorobenzene (86-115)	101	% Rec		
			(Surrogate) Toluene-d8 (88-110)	97	% Rec		



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**Laboratory
Report
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City of Phoenix
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
19LTB-408 (2812010124)				Sampled on 12/01/08				
	12/05/08	463216	(ML/E624/E8260)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	12/04/08		(NONE)	Sample Type	TB	None	0.0000	1
	12/04/08		(NONE)	Well ID	I-1	None	0.0000	1
Volatile Organics HSL								
	12/10/08	463846	(ML/EPA 624)	1,1,2-Trichloroethane (1,1,2-T	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,1-Dichloroethylene (1,1DCE)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	2-Chloroethylvinyl ether	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Acetone	ND	ug/l	50	1
	12/10/08	463846	(ML/EPA 624)	Benzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	cis-1,2-Dichloroethene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Chlorobenzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Bromoform	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Chloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Dibromochloromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Dichlorobromomethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Ethyl benzene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Freon 113	ND	ug/l	2.0	1
	12/10/08	463846	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Methyl Bromide	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Methyl Chloride	0.2	ug/l	0.20	1
	12/10/08	463846	(ML/EPA 624)	Methylene Chloride	ND	ug/l	2.0	1
	12/10/08	463846	(ML/EPA 624)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Tetrachloroethylene (PCE)	ND	ug/l	0.20	1
	12/10/08	463846	(ML/EPA 624)	trans-1,2-Dichloroethene	ND	ug/l	0.50	1



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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/10/08	463846	(ML/EPA 624)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Trichlorofluoromethane	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Toluene	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Total Trihalomethanes	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Total Xylenes	ND	ug/l	0.50	1
	12/10/08	463846	(ML/EPA 624)	Vinyl Chloride (VC)	ND	ug/l	0.50	1
			(Surrogate)	1,2-Dichloroethane-d4(80-120)	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene(86-115)	100	% Rec		
			(Surrogate)	Toluene-d8(88-110)	97	% Rec		
19DE-408 (2812010126)				Sampled on 12/01/08				
	12/03/08	462780	(EPA 353.2)	Nitrate + Nitrite as N by RFA	2.8	mg/l	0.030	1
19VER-408 (2812010127)				Sampled on 12/01/08				
	12/03/08	462780	(EPA 353.2)	Nitrate + Nitrite as N by RFA	2.8	mg/l	0.030	1



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QC Ref #0	- Metals Turbidity	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: jrf
2812010123	19L-408	Analyzed by: jrf
QC Ref #462577	- PH (H3=past HT, not compliant)	Analysis Date: 12/02/2008
2812010123	19L-408	Analyzed by: sar
QC Ref #462780	- Nitrate + Nitrite as N by RFA	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: lupe
2812010126	19DE-408	Analyzed by: lupe
2812010127	19VER-408	Analyzed by: lupe
QC Ref #462834	- Boron, Total, ICAP	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: csk
QC Ref #462836	- Calcium, Total, ICAP	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: csk
QC Ref #462839	- Potassium, Total, ICAP	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: csk
QC Ref #462841	- Magnesium, Total, ICAP	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: csk
QC Ref #462845	- Sodium, Total, ICAP	Analysis Date: 12/03/2008
2812010123	19L-408	Analyzed by: csk



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QC Ref #462849 - Iron, Total, ICAP	Analysis Date: 12/03/2008
2812010123 19L-408	Analyzed by: csk
QC Ref #462934 - Total phosphorus as P	Analysis Date: 12/03/2008
2812010123 19L-408	Analyzed by: njr
QC Ref #462940 - Phenolic Compounds	Analysis Date: 12/04/2008
2812010123 19L-408	Analyzed by: lupe
QC Ref #462957 - Fluoride	Analysis Date: 12/04/2008
2812010123 19L-408	Analyzed by: yvette
QC Ref #462999 - Cyanide by manual distillation	Analysis Date: 12/04/2008
2812010123 19L-408	Analyzed by: lupe
QC Ref #463063 - Kjeldahl Nitrogen	Analysis Date: 12/04/2008
2812010123 19L-408	Analyzed by: njr
QC Ref #463070 - Chemical Oxygen Demand (COD)	Analysis Date: 12/05/2008
2812010123 19L-408	Analyzed by: vxt
QC Ref #463103 - Mercury	Analysis Date: 12/05/2008
2812010123 19L-408	Analyzed by: azs



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QC Ref #463194 - Total Organic Carbon	Analysis Date: 12/05/2008
2812010123 19L-408	Analyzed by: kxs
QC Ref #463216 - 2-Chloroethylvinylether	Analysis Date: 12/05/2008
2812010123 19L-408	Analyzed by: mad
2812010124 19LTB-408	Analyzed by: mad
QC Ref #463279 - Alkalinity in CaCO3 units	Analysis Date: 12/08/2008
2812010123 19L-408	Analyzed by: vxt
QC Ref #463358 - Total Dissolved Solid (TDS)	Analysis Date: 12/04/2008
2812010123 19L-408	Analyzed by: yaa
QC Ref #463404 - Ammonia Nitrogen	Analysis Date: 12/08/2008
2812010123 19L-408	Analyzed by: njr
QC Ref #463590 - Chromium, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463593 - Manganese, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463600 - Nickel, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh



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QC Ref #463603 - Copper, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463606 - Zinc, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463615 - Silver, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463619 - Cadmium, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463622 - Antimony, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463625 - Barium, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463628 - Thallium, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463631 - Lead, Total, ICAP/MS	Analysis Date: 12/09/2008
2812010123 19L-408	Analyzed by: dyh



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QC Ref #463842 - Beryllium, Total, ICAP/MS	Analysis Date: 12/10/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463843 - Selenium, Total, ICAP/MS	Analysis Date: 12/10/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #463846 - Volatile Organics HSL	Analysis Date: 12/10/2008
2812010123 19L-408	Analyzed by: mad
2812010124 19LTB-408	Analyzed by: mad
QC Ref #464028 - Arsenic, Total, ICAP/MS	Analysis Date: 12/11/2008
2812010123 19L-408	Analyzed by: dyh
QC Ref #464283 - Chloride	Analysis Date: 12/15/2008
2812010123 19L-408	Analyzed by: sxk
QC Ref #464284 - Sulfate	Analysis Date: 12/15/2008
2812010123 19L-408	Analyzed by: sxk
QC Ref #464289 - Total Organic Halogen	Analysis Date: 12/11/2008
2812010123 19L-408	Analyzed by: azs
QC Ref #464776 - Gross Alpha and Beta Radiation	Analysis Date: 12/10/2008
2812010123 19L-408	Analyzed by: mal



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QC Ref #465964 - Biochemical Oxygen Demand, TotlAnalysis Date: 12/03/2008

2812010123

19L-408

Analyzed by: sub



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QC Ref #462577 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12020368	UNIT		(0-0)	
DUP	PH (H3=past HT, not compliant)	7.33	7.31	UNIT		(0-20)	0.3

QC Ref #462780 Nitrate + Nitrite as N by RFA

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11240148	MGL		(0-0)	
LCS1	Nitrate + Nitrite as N by RFA	1.0	0.982	MGL	98.2	(90-110)	
LCS2	Nitrate + Nitrite as N by RFA	1.0	0.990	MGL	99.0	(90-110)	
MBLK	Nitrate + Nitrite as N by RFA	ND	<0.030	MGL			
MRL_CHK	Nitrate + Nitrite as N by RFA	0.030	0.0177	MGL	59.0	(50-150)	
MS	Nitrate + Nitrite as N by RFA	1	0.96	MGL	96.0	(90-110)	
MSD	Nitrate + Nitrite as N by RFA	1.0	0.97	MGL	97.0	(90-110)	

QC Ref #462834 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.488	MGL	97.6	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.494	MGL	98.8	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0516	MGL	103.2	(50-150)	
MS	Boron, Total, ICAP	0.5	0.491	MGL	98.2	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.499	MGL	99.8	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.499	MGL	99.8	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.491	MGL	98.2	(70-130)	
RPD_LCS	Boron, Total, ICAP	97.600	98.800	MGL	1.2	(0-20)	
RPD_MS	Boron, Total, ICAP	98.200	99.800	MGL	1.6	(0-20)	

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QC Ref #462836 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	53.8	MGL	107.6	(85-115)	
LCS2	Calcium, Total, ICAP	50	53.9	MGL	107.8	(85-115)	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.03	MGL	103.0	(50-150)	
MS	Calcium, Total, ICAP	50	51.5	MGL	103.0	(70-130)	
MS2	Calcium, Total, ICAP	50	50.8	MGL	101.6	(70-130)	
MSD	Calcium, Total, ICAP	50	52.4	MGL	104.8	(70-130)	
MSD2	Calcium, Total, ICAP	50	50.2	MGL	100.4	(70-130)	
RPD_LCS	Calcium, Total, ICAP	107.600	107.800	MGL	0.2	(0-20)	
RPD_MS	Calcium, Total, ICAP	103.000	104.800	MGL	1.7	(0-20)	

QC Ref #462839 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	20.8	MGL	104.0	(85-115)	
LCS2	Potassium, Total, ICAP	20	20.4	MGL	102.0	(85-115)	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.999	MGL	99.9	(50-150)	
MS	Potassium, Total, ICAP	20	20.6	MGL	103.0	(70-130)	
MS2	Potassium, Total, ICAP	20	21.0	MGL	105.0	(70-130)	
MSD	Potassium, Total, ICAP	20	21.1	MGL	105.5	(70-130)	
MSD2	Potassium, Total, ICAP	20	21.0	MGL	105.0	(70-130)	
RPD_LCS	Potassium, Total, ICAP	104.000	102.000	MGL	1.9	(0-20)	
RPD_MS	Potassium, Total, ICAP	103.000	105.500	MGL	2.4	(0-20)	

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QC Ref #462841 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	21.5	MGL	107.5	(85-115)	
LCS2	Magnesium, Total, ICAP	20	21.3	MGL	106.5	(85-115)	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.104	MGL	104.0	(50-150)	
MS	Magnesium, Total, ICAP	20	20.8	MGL	104.0	(70-130)	
MS2	Magnesium, Total, ICAP	20	20.9	MGL	104.5	(70-130)	
MSD	Magnesium, Total, ICAP	20	21.3	MGL	106.5	(70-130)	
MSD2	Magnesium, Total, ICAP	20	20.9	MGL	104.5	(70-130)	
RPD_LCS	Magnesium, Total, ICAP	107.500	106.500	MGL	0.9	(0-20)	
RPD_MS	Magnesium, Total, ICAP	104.000	106.500	MGL	2.4	(0-20)	

QC Ref #462845 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	51.9	MGL	103.8	(85-115)	
LCS2	Sodium, Total, ICAP	50	51.0	MGL	102.0	(85-115)	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	0.929	MGL	92.9	(50-150)	
MS	Sodium, Total, ICAP	50	51.0	MGL	102.0	(70-130)	
MS2	Sodium, Total, ICAP	50	51.6	MGL	103.2	(70-130)	
MSD	Sodium, Total, ICAP	50	52.2	MGL	104.4	(70-130)	
MSD2	Sodium, Total, ICAP	50	51.3	MGL	102.6	(70-130)	
RPD_LCS	Sodium, Total, ICAP	103.800	102.000	MGL	1.7	(0-20)	
RPD_MS	Sodium, Total, ICAP	102.000	104.400	MGL	2.3	(0-20)	

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QC Ref #462849

Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.21	MGL	104.2	(85-115)	
LCS2	Iron, Total, ICAP	5.0	5.17	MGL	103.4	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0221	MGL	110.5	(50-150)	
MS	Iron, Total, ICAP	5.0	5.11	MGL	102.2	(70-130)	
MS2	Iron, Total, ICAP	5.0	5.16	MGL	103.2	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.22	MGL	104.4	(70-130)	
MSD2	Iron, Total, ICAP	5.0	5.17	MGL	103.4	(70-130)	
RPD_LCS	Iron, Total, ICAP	104.200	103.400	MGL	0.8	(0-20)	
RPD_MS	Iron, Total, ICAP	102.200	104.400	MGL	2.1	(0-20)	

QC Ref #462934

Total phosphorus as P

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12020368	MGL		(0-0)	
LCS1	Total phosphorus as P	0.4	0.397	MGL	99.2	(90-110)	
LCS2	Total phosphorus as P	0.4	0.412	MGL	103.0	(90-110)	
MBLK	Total phosphorus as P	ND	<0.020	MGL			
MRL_CHK	Total phosphorus as P	0.02	0.015	MGL	75.0	(50-150)	
MS	Total phosphorus as P	0.4	0.422	MGL	105.5	(90-110)	
MS2	Total phosphorus as P	0.4	0.384	MGL	96.0	(90-110)	
MSD	Total phosphorus as P	0.4	0.410	MGL	102.5	(90-110)	
RPD_LCS	Total phosphorus as P	99.250	103.000	MGL	3.7	(0-10)	
RPD_MS	Total phosphorus as P	105.500	102.500	MGL	2.9	(0-20)	

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QC Ref #462940

Phenolic Compounds

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12010123	MGL		(0-0)	
LCS1	Phenolic Compounds	0.08	0.0827	MGL	103.4	(90-110)	
LCS2	Phenolic Compounds	0.08	0.0811	MGL	101.4	(90-110)	
MS	Phenolic Compounds	0.08	0.0743	MGL	92.9	(90-110)	
MSD	Phenolic Compounds	0.08	0.0819	MGL	102.4	(90-110)	
MBLK	Phenolic Compounds	ND	<0.0050	MGL			

QC Ref #462957

Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11240148	MGL		(0-0)	
CCC3	Fluoride	10.0	9.97	MGL	99.7	(81-116)	
CCCH	Fluoride	10.0	9.89	MGL	98.9	(81-116)	
CCCL	Fluoride	0.5	0.488	MGL	97.6	(81-116)	
CCCM	Fluoride	0.5	0.478	MGL	95.6	(81-116)	
CCCS	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
LCS1	Fluoride	1.00	0.945	MGL	94.5	(81-116)	
LCS2	Fluoride	1.00	0.964	MGL	96.4	(81-116)	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.048	MGL	96.0	(50-150)	
MS	Fluoride	1.00	0.734	MGL	73.4	(73-124)	
MS2	Fluoride	1.00	0.935	MGL	93.5	(73-124)	
MSD	Fluoride	1.00	0.760	MGL	76.0	(73-124)	
RPD_LCS	Fluoride	94.500	96.400	MGL	2.0	(0-20)	
RPD_MS	Fluoride	73.400	76.000	MGL	3.5	(0-20)	

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QC Ref #462999 Cyanide by manual distillation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12010123	MGL		(0-0)	
LCS1	Cyanide by manual distillation	0.1	0.100	MGL	100.0	(90-110)	
LCS2	Cyanide by manual distillation	0.1	0.103	MGL	103.0	(90-110)	
MBLK	Cyanide by manual distillation	ND	<0.0050	MGL			
MRL_CHK	Cyanide by manual distillation	0.005	0.0053	MGL	106.0	(50-150)	
MS	Cyanide by manual distillation	0.1	0.101	MGL	101.0	(90-110)	
MSD	Cyanide by manual distillation	0.1	0.098	MGL	98.0	(90-110)	

QC Ref #463063 Kjeldahl Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11260017	MGL		(0-0)	
LCS1	Kjeldahl Nitrogen	4.0	4.00	MGL	100.0	(90-110)	
LCS2	Kjeldahl Nitrogen	4.0	4.06	MGL	101.5	(90-110)	
MBLK	Kjeldahl Nitrogen	ND	<0.10	MGL			
MRL_CHK	Kjeldahl Nitrogen	0.1	0.130	MGL	130.0	(50-150)	
MS	Kjeldahl Nitrogen	4.0	4.04	MGL	101.0	(90-110)	
MSD	Kjeldahl Nitrogen	4.0	4.06	MGL	101.5	(90-110)	
MS_2ND	Kjeldahl Nitrogen	4.0	4.20	MGL	105.0	(90-110)	
RPD_LCS	Kjeldahl Nitrogen	100.000	101.500	MGL	1.5	(0-20)	
RPD_MS	Kjeldahl Nitrogen	101.000	101.500	MGL	0.5	(0-20)	

QC Ref #463070 Chemical Oxygen Demand (COD)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12010123	MGL		(0-0)	
LCS1	Chemical Oxygen Demand (COD)	50	51.3	MGL	102.6	(90-110)	
LCS2	Chemical Oxygen Demand (COD)	50	49.5	MGL	99.0	(90-110)	
MBLK	Chemical Oxygen Demand (COD)	ND	<5.0	MGL			

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MS	Chemical Oxygen Demand (COD)	50	49.5	MGL	99.0	(90-110)
MSD	Chemical Oxygen Demand (COD)	50	46.8	MGL	93.6	(90-110)

QC Ref #463103 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11240148	UGL		(0-0)	
LCS1	Mercury	1.50	1.49	UGL	99.3	(85-115)	
LCS2	Mercury	1.50	1.51	UGL	100.7	(85-115)	
MBLK	Mercury	ND	<0.20	UGL			
MRL_CHK	Mercury	0.200	0.199	UGL	99.5	(50-150)	
MS	Mercury	1.50	1.55	UGL	103.3	(70-130)	
MSD	Mercury	1.50	1.54	UGL	102.7	(70-130)	
RPD_LCS	Mercury	99.333	100.667	UGL	1.3	(0-20)	
RPD_MS	Mercury	103.333	102.667	UGL	0.6	(0-20)	

QC Ref #463194 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12040469	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	4.85	MGL	97.0	(90-110)	
LCS2	Total Organic Carbon	5.0	4.93	MGL	98.6	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.193	MGL	96.5	(50-150)	
MS	Total Organic Carbon	4.0	3.51	MGL	87.8	(80-120)	
MSD	Total Organic Carbon	4.0	3.76	MGL	94.0	(80-120)	
MS_2ND	Total Organic Carbon	2.0	1.93	MGL	96.5	(80-120)	
RPD_LCS	Total Organic Carbon	97.000	98.600	MGL	1.6	(0-20)	
RPD_MS	Total Organic Carbon	87.750	94.000	MGL	6.9	(0-20)	

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QC Ref #463216 2-Chloroethylvinylether

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	2-Chloroethylvinylether	20	21.9	UGL	109.5	(70-130)	
LCS2	2-Chloroethylvinylether	20	21.6	UGL	108.0	(70-130)	
MBLK	2-Chloroethylvinylether	ND	<1.0	UGL			
MS	2-Chloroethylvinylether	10	10.8	UGL	108.0	(70-130)	
MSD	2-Chloroethylvinylether	10	11.0	UGL	110.0	(70-130)	
RPD_LCS	2-Chloroethylvinylether	109.500	108.000	UGL	1.4	(0-20)	
RPD_MS	2-Chloroethylvinylether	108.000	110.000	UGL	1.8	(0-20)	

QC Ref #463279 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11260245	MGL		(0-0)	
LCS1	Alkalinity in CaCO3 units	100	102	MGL	102.0	(90-110)	
LCS2	Alkalinity in CaCO3 units	100	104	MGL	104.0	(90-110)	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	1.60	MGL	80.0	(50-150)	
MS	Alkalinity in CaCO3 units	100	104	MGL	104.0	(80-120)	
MS2	Alkalinity in CaCO3 units	100	93.0	MGL	93.0	(80-120)	
MSD	Alkalinity in CaCO3 units	100	103	MGL	103.0	(80-120)	
MSD2	Alkalinity in CaCO3 units	100	94.0	MGL	94.0	(80-120)	
RPD_LCS	Alkalinity in CaCO3 units	102.000	104.000	MGL	1.9	(0-10)	
RPD_MS	Alkalinity in CaCO3 units	104.000	103.000	MGL	1.0	(0-20)	

QC Ref #463358 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	194	MGL	110.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	686	MGL	98.0	(80-114)	
AASPKSMP	Spiked sample	Lab # 28	12010201	MGL		(0-0)	

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DUP	Total Dissolved Solid (TDS)	662	660	MGL	(0-10)	0.3
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		

QC Ref #463404 Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12030518	MGL		(0-0)	
LCS1	Ammonia Nitrogen	1.0	1.02	MGL	102.0	(90-110)	
LCS2	Ammonia Nitrogen	1.0	1.02	MGL	102.0	(90-110)	
MBLK	Ammonia Nitrogen	ND	<0.030	MGL			
MS	Ammonia Nitrogen	1.0	0.912	MGL	91.2	(90-110)	
MSD	Ammonia Nitrogen	1.0	0.961	MGL	96.1	(90-110)	

QC Ref #463590 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Chromium, Total, ICAP/MS	100	98.9	UGL	98.9	(85-115)	
LCS2	Chromium, Total, ICAP/MS	100	98.4	UGL	98.4	(85-115)	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.01	UGL	101.0	(50-150)	
MS	Chromium, Total, ICAP/MS	100	94.4	UGL	94.4	(70-130)	
MS2	Chromium, Total, ICAP/MS	100	94.1	UGL	94.1	(70-130)	
MSD	Chromium, Total, ICAP/MS	100	96.8	UGL	96.8	(70-130)	
MSD2	Chromium, Total, ICAP/MS	100	95.5	UGL	95.5	(70-130)	
RPD_LCS	Chromium, Total, ICAP/MS	98.900	98.400	UGL	0.5	(0-20)	
RPD_MS	Chromium, Total, ICAP/MS	94.400	96.800	UGL	2.5	(0-20)	

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QC Ref #463593 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Manganese, Total, ICAP/MS	50	51.1	UGL	102.2	(85-115)	
LCS2	Manganese, Total, ICAP/MS	50	51.3	UGL	102.6	(85-115)	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.01	UGL	100.5	(50-150)	
MS	Manganese, Total, ICAP/MS	50	48.9	UGL	97.8	(70-130)	
MS2	Manganese, Total, ICAP/MS	50	49.8	UGL	99.6	(70-130)	
MSD	Manganese, Total, ICAP/MS	50	50.2	UGL	100.4	(70-130)	
MSD2	Manganese, Total, ICAP/MS	50	50.7	UGL	101.4	(70-130)	
RPD_LCS	Manganese, Total, ICAP/MS	102.200	102.600	UGL	0.4	(0-20)	
RPD_MS	Manganese, Total, ICAP/MS	97.800	100.400	UGL	2.6	(0-20)	

QC Ref #463600 Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Nickel, Total, ICAP/MS	50	47.5	UGL	95.0	(85-115)	
LCS2	Nickel, Total, ICAP/MS	50	47.3	UGL	94.6	(85-115)	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	4.96	UGL	99.2	(50-150)	
MS	Nickel, Total, ICAP/MS	50	45.8	UGL	91.6	(70-130)	
MS2	Nickel, Total, ICAP/MS	50	46.0	UGL	92.0	(70-130)	
MSD	Nickel, Total, ICAP/MS	50	47.0	UGL	94.0	(70-130)	
MSD2	Nickel, Total, ICAP/MS	50	46.3	UGL	92.6	(70-130)	
RPD_LCS	Nickel, Total, ICAP/MS	95.000	94.600	UGL	0.4	(0-20)	
RPD_MS	Nickel, Total, ICAP/MS	91.600	94.000	UGL	2.6	(0-20)	

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QC Ref #463603

Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Copper, Total, ICAP/MS	100	94.9	UGL	94.9	(85-115)	
LCS2	Copper, Total, ICAP/MS	100	95.0	UGL	95.0	(85-115)	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.07	UGL	103.5	(50-150)	
MS	Copper, Total, ICAP/MS	100	92.0	UGL	92.0	(70-130)	
MS2	Copper, Total, ICAP/MS	100	92.7	UGL	92.7	(70-130)	
MSD	Copper, Total, ICAP/MS	100	94.2	UGL	94.2	(70-130)	
MSD2	Copper, Total, ICAP/MS	100	93.9	UGL	93.9	(70-130)	
RPD_LCS	Copper, Total, ICAP/MS	94.900	95.000	UGL	0.1	(0-20)	
RPD_MS	Copper, Total, ICAP/MS	92.000	94.200	UGL	2.4	(0-20)	

QC Ref #463606

Zinc, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Zinc, Total, ICAP/MS	100	96.6	UGL	96.6	(85-115)	
LCS2	Zinc, Total, ICAP/MS	100	96.6	UGL	96.6	(85-115)	
MBLK	Zinc, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Zinc, Total, ICAP/MS	20.0	19.8	UGL	99.0	(50-150)	
MS	Zinc, Total, ICAP/MS	100	104	UGL	104.0	(70-130)	
MS2	Zinc, Total, ICAP/MS	100	105	UGL	105.0	(70-130)	
MSD	Zinc, Total, ICAP/MS	100	106	UGL	106.0	(70-130)	
MSD2	Zinc, Total, ICAP/MS	100	107	UGL	107.0	(70-130)	
RPD_LCS	Zinc, Total, ICAP/MS	96.600	96.600	UGL	0.0	(0-20)	
RPD_MS	Zinc, Total, ICAP/MS	104.000	106.000	UGL	1.9	(0-20)	

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QC Ref #463615 Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Silver, Total, ICAP/MS	50	51.1	UGL	102.2	(85-115)	
LCS2	Silver, Total, ICAP/MS	50	50.3	UGL	100.6	(85-115)	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.496	UGL	99.2	(50-150)	
MS	Silver, Total, ICAP/MS	50	49.1	UGL	98.2	(70-130)	
MS2	Silver, Total, ICAP/MS	50	50.3	UGL	100.6	(70-130)	
MSD	Silver, Total, ICAP/MS	50	50.5	UGL	101.0	(70-130)	
MSD2	Silver, Total, ICAP/MS	50	51.2	UGL	102.4	(70-130)	
RPD_LCS	Silver, Total, ICAP/MS	102.200	100.600	UGL	1.6	(0-20)	
RPD_MS	Silver, Total, ICAP/MS	98.200	101.000	UGL	2.8	(0-20)	

QC Ref #463619 Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Cadmium, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
LCS2	Cadmium, Total, ICAP/MS	20	19.5	UGL	97.5	(85-115)	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.500	UGL	100.0	(50-150)	
MS	Cadmium, Total, ICAP/MS	20	19.8	UGL	99.0	(70-130)	
MS2	Cadmium, Total, ICAP/MS	20	20.2	UGL	101.0	(70-130)	
MSD	Cadmium, Total, ICAP/MS	20	20.3	UGL	101.5	(70-130)	
MSD2	Cadmium, Total, ICAP/MS	20	20.4	UGL	102.0	(70-130)	
RPD_LCS	Cadmium, Total, ICAP/MS	97.500	97.500	UGL	0.0	(0-20)	
RPD_MS	Cadmium, Total, ICAP/MS	99.000	101.500	UGL	2.5	(0-20)	

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QC Ref #463622 Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Antimony, Total, ICAP/MS	50	50.2	UGL	100.4	(85-115)	
LCS2	Antimony, Total, ICAP/MS	50	49.7	UGL	99.4	(85-115)	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.01	UGL	101.0	(50-150)	
MS	Antimony, Total, ICAP/MS	50	48.9	UGL	97.8	(70-130)	
MS2	Antimony, Total, ICAP/MS	50	50.8	UGL	101.6	(70-130)	
MSD	Antimony, Total, ICAP/MS	50	50.8	UGL	101.6	(70-130)	
MSD2	Antimony, Total, ICAP/MS	50	51.1	UGL	102.2	(70-130)	
RPD_LCS	Antimony, Total, ICAP/MS	100.400	99.400	UGL	1.0	(0-20)	
RPD_MS	Antimony, Total, ICAP/MS	97.800	101.600	UGL	3.8	(0-20)	

QC Ref #463625 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Barium, Total, ICAP/MS	100	96.0	UGL	96.0	(85-115)	
LCS2	Barium, Total, ICAP/MS	100	94.4	UGL	94.4	(85-115)	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	1.96	UGL	98.0	(50-150)	
MS	Barium, Total, ICAP/MS	100	91.2	UGL	91.2	(70-130)	
MS2	Barium, Total, ICAP/MS	100	93.3	UGL	93.3	(70-130)	
MSD	Barium, Total, ICAP/MS	100	94.0	UGL	94.0	(70-130)	
MSD2	Barium, Total, ICAP/MS	100	94.9	UGL	94.9	(70-130)	
RPD_LCS	Barium, Total, ICAP/MS	96.000	94.400	UGL	1.7	(0-20)	
RPD_MS	Barium, Total, ICAP/MS	91.200	94.000	UGL	3.0	(0-20)	

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QC Ref #463628 **Thallium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Thallium, Total, ICAP/MS	20.0	20.3	UGL	101.5	(85-115)	
LCS2	Thallium, Total, ICAP/MS	20.0	20.3	UGL	101.5	(85-115)	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.04	UGL	104.0	(50-150)	
MS	Thallium, Total, ICAP/MS	20.0	19.4	UGL	97.0	(70-130)	
MS2	Thallium, Total, ICAP/MS	20.0	19.6	UGL	98.0	(70-130)	
MSD	Thallium, Total, ICAP/MS	20.0	20.1	UGL	100.5	(70-130)	
MSD2	Thallium, Total, ICAP/MS	20.0	20.0	UGL	100.0	(70-130)	
RPD_LCS	Thallium, Total, ICAP/MS	101.500	101.500	UGL	0.0	(0-20)	
RPD_MS	Thallium, Total, ICAP/MS	97.000	100.500	UGL	3.5	(0-20)	

QC Ref #463631 **Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090105	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12090106	UGL		(0-0)	
LCS1	Lead, Total, ICAP/MS	20	20.1	UGL	100.5	(85-115)	
LCS2	Lead, Total, ICAP/MS	20	20.0	UGL	100.0	(85-115)	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.514	UGL	102.8	(50-150)	
MS	Lead, Total, ICAP/MS	20	19.1	UGL	95.5	(70-130)	
MS2	Lead, Total, ICAP/MS	20	19.5	UGL	97.5	(70-130)	
MSD	Lead, Total, ICAP/MS	20	19.8	UGL	99.0	(70-130)	
MSD2	Lead, Total, ICAP/MS	20	19.7	UGL	98.5	(70-130)	
RPD_LCS	Lead, Total, ICAP/MS	100.500	100.000	UGL	0.5	(0-20)	
RPD_MS	Lead, Total, ICAP/MS	95.500	99.000	UGL	3.6	(0-20)	

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QC Ref #463842 Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12020364	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12020406	UGL		(0-0)	
LCS1	Beryllium, Total, ICAP/MS	5.00	4.97	UGL	99.4	(85-115)	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.01	UGL	100.2	(85-115)	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	1.01	UGL	101.0	(50-150)	
MS	Beryllium, Total, ICAP/MS	5.00	5.15	UGL	103.0	(70-130)	
MS2	Beryllium, Total, ICAP/MS	5.00	5.49	UGL	109.8	(70-130)	
MSD	Beryllium, Total, ICAP/MS	5.00	5.17	UGL	103.4	(70-130)	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.38	UGL	107.6	(70-130)	
RPD_LCS	Beryllium, Total, ICAP/MS	99.400	100.200	UGL	0.8	(0-20)	
RPD_MS	Beryllium, Total, ICAP/MS	103.000	103.400	UGL	0.4	(0-20)	

QC Ref #463843 Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12020364	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12020406	UGL		(0-0)	
LCS1	Selenium, Total, ICAP/MS	20	19.4	UGL	97.0	(85-115)	
LCS2	Selenium, Total, ICAP/MS	20	19.8	UGL	99.0	(85-115)	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	4.59	UGL	91.8	(50-150)	
MS	Selenium, Total, ICAP/MS	20	23.0	UGL	115.0	(70-130)	
MS2	Selenium, Total, ICAP/MS	20	24.2	UGL	121.0	(70-130)	
MSD	Selenium, Total, ICAP/MS	20	23.3	UGL	116.5	(70-130)	
MSD2	Selenium, Total, ICAP/MS	20	23.5	UGL	117.5	(70-130)	
RPD_LCS	Selenium, Total, ICAP/MS	97.000	99.000	UGL	2.0	(0-20)	
RPD_MS	Selenium, Total, ICAP/MS	115.000	116.500	UGL	1.3	(0-20)	

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QC Ref #463846 Volatile Organics HSL

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,2-Trichloroethane (1,1,2-T	20	20.7	UGL	103.5	(79-116)	
LCS2	1,1,2-Trichloroethane (1,1,2-T	20	21.3	UGL	106.5	(79-116)	
MBLK	1,1,2-Trichloroethane (1,1,2-T	ND	<0.5	UGL			
MS	1,1,2-Trichloroethane (1,1,2-T	10	9.68	UGL	96.8	(76-129)	
MSD	1,1,2-Trichloroethane (1,1,2-T	10	9.65	UGL	96.5	(76-129)	
RPD_LCS	1,1,2-Trichloroethane (1,1,2-T	103.500	106.500	UGL	2.9	(0-20)	
RPD_MS	1,1,2-Trichloroethane (1,1,2-T	96.800	96.500	UGL	0.3	(0-20)	
LCS1	1,1-Dichloroethylene (1,1DCE)	20	23.4	UGL	117.0	(77-129)	
LCS2	1,1-Dichloroethylene (1,1DCE)	20	23.0	UGL	115.0	(77-129)	
MBLK	1,1-Dichloroethylene (1,1DCE)	ND	<0.5	UGL			
MS	1,1-Dichloroethylene (1,1DCE)	10	11.9	UGL	119.0	(70-146)	
MSD	1,1-Dichloroethylene (1,1DCE)	10	11.3	UGL	113.0	(70-146)	
RPD_LCS	1,1-Dichloroethylene (1,1DCE)	117.000	115.000	UGL	1.7	(0-20)	
RPD_MS	1,1-Dichloroethylene (1,1DCE)	119.000	113.000	UGL	5.2	(0-20)	
LCS1	1,1-Dichloroethane	20	21.3	UGL	106.5	(79-118)	
LCS2	1,1-Dichloroethane	20	21.2	UGL	106.0	(79-118)	
MBLK	1,1-Dichloroethane	ND	<0.5	UGL			
MS	1,1-Dichloroethane	10	10.3	UGL	103.0	(75-134)	
MSD	1,1-Dichloroethane	10	9.98	UGL	99.8	(75-134)	
RPD_LCS	1,1-Dichloroethane	106.500	106.000	UGL	0.5	(0-20)	
RPD_MS	1,1-Dichloroethane	103.000	99.800	UGL	3.2	(0-20)	
LCS1	o-Dichlorobenzene (1,2-DCB)	20	20.6	UGL	103.0	(79-118)	
LCS2	o-Dichlorobenzene (1,2-DCB)	20	20.4	UGL	102.0	(79-118)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND	<0.5	UGL			
MS	o-Dichlorobenzene (1,2-DCB)	10	9.56	UGL	95.6	(80-125)	
MSD	o-Dichlorobenzene (1,2-DCB)	10	9.44	UGL	94.4	(80-125)	
RPD_LCS	o-Dichlorobenzene (1,2-DCB)	103.000	102.000	UGL	1.0	(0-20)	
RPD_MS	o-Dichlorobenzene (1,2-DCB)	95.600	94.400	UGL	1.3	(0-20)	
LCS1	1,2-Dichloroethane	20	20.6	UGL	103.0	(81-122)	
LCS2	1,2-Dichloroethane	20	20.8	UGL	104.0	(81-122)	
MBLK	1,2-Dichloroethane	ND	<0.5	UGL			

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MS	1,2-Dichloroethane	10	9.79	UGL	97.9	(75-135)
MSD	1,2-Dichloroethane	10	9.80	UGL	98.0	(75-135)
RPD_LCS	1,2-Dichloroethane	103.000	104.000	UGL	1.0	(0-20)
RPD_MS	1,2-Dichloroethane	97.900	98.000	UGL	0.1	(0-20)
LCS1	1,2-Dichloropropane	20	21.1	UGL	105.5	(77-118)
LCS2	1,2-Dichloropropane	20	21.1	UGL	105.5	(77-118)
MBLK	1,2-Dichloropropane	ND	<0.5	UGL		
MS	1,2-Dichloropropane	10	9.81	UGL	98.1	(73-132)
MSD	1,2-Dichloropropane	10	9.73	UGL	97.3	(73-132)
RPD_LCS	1,2-Dichloropropane	105.500	105.500	UGL	0.0	(0-20)
RPD_MS	1,2-Dichloropropane	98.100	97.300	UGL	0.8	(0-20)
LCS1	m-Dichlorobenzene (1,3-DCB)	20	20.9	UGL	104.5	(76-124)
LCS2	m-Dichlorobenzene (1,3-DCB)	20	20.6	UGL	103.0	(76-124)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND	<0.5	UGL		
MS	m-Dichlorobenzene (1,3-DCB)	10	9.92	UGL	99.2	(76-139)
MSD	m-Dichlorobenzene (1,3-DCB)	10	9.53	UGL	95.3	(76-139)
RPD_LCS	m-Dichlorobenzene (1,3-DCB)	104.500	103.000	UGL	1.4	(0-20)
RPD_MS	m-Dichlorobenzene (1,3-DCB)	99.200	95.300	UGL	4.0	(0-20)
LCS1	p-Dichlorobenzene (1,4-DCB)	20	20.6	UGL	103.0	(74-130)
LCS2	p-Dichlorobenzene (1,4-DCB)	20	20.2	UGL	101.0	(74-130)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND	<0.5	UGL		
MS	p-Dichlorobenzene (1,4-DCB)	10	9.90	UGL	99.0	(71-145)
MSD	p-Dichlorobenzene (1,4-DCB)	10	9.36	UGL	93.6	(71-145)
RPD_LCS	p-Dichlorobenzene (1,4-DCB)	103.000	101.000	UGL	2.0	(0-20)
RPD_MS	p-Dichlorobenzene (1,4-DCB)	99.000	93.600	UGL	5.6	(0-20)
LCS1	Acetone	200	202	UGL	101.0	(47-117)
LCS2	Acetone	200	208	UGL	104.0	(47-117)
MBLK	Acetone	ND	<50	UGL		
MS	Acetone	100	67.1	UGL	67.1	(37-119)
MSD	Acetone	100	74.8	UGL	74.8	(37-119)
RPD_LCS	Acetone	101.000	104.000	UGL	2.9	(0-20)
RPD_MS	Acetone	67.100	74.800	UGL	10.9	(0-20)
LCS1	Benzene	20	20.2	UGL	101.0	(78-119)
LCS2	Benzene	20	19.9	UGL	99.5	(78-119)
MBLK	Benzene	ND	<0.5	UGL		
MS	Benzene	10	9.68	UGL	96.8	(76-133)

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MSD	Benzene	10	9.55	UGL	95.5	(76-133)
RPD_LCS	Benzene	101.000	99.500	UGL	1.5	(0-20)
RPD_MS	Benzene	96.800	95.500	UGL	1.4	(0-20)
LCS1	cis-1,2-Dichloroethene	20	21.3	UGL	106.5	(80-114)
LCS2	cis-1,2-Dichloroethene	20	21.1	UGL	105.5	(80-114)
MBLK	cis-1,2-Dichloroethene	ND	<0.5	UGL		
MS	cis-1,2-Dichloroethene	10	10.3	UGL	103.0	(78-133)
MSD	cis-1,2-Dichloroethene	10	9.97	UGL	99.7	(78-133)
RPD_LCS	cis-1,2-Dichloroethene	106.500	105.500	UGL	0.9	(0-20)
RPD_MS	cis-1,2-Dichloroethene	103.000	99.700	UGL	3.3	(0-20)
LCS1	Chlorobenzene	20	21.1	UGL	105.5	(80-119)
LCS2	Chlorobenzene	20	21.0	UGL	105.0	(80-119)
MBLK	Chlorobenzene	ND	<0.5	UGL		
MS	Chlorobenzene	10	9.94	UGL	99.4	(77-132)
MSD	Chlorobenzene	10	9.76	UGL	97.6	(77-132)
RPD_LCS	Chlorobenzene	105.500	105.000	UGL	0.5	(0-20)
RPD_MS	Chlorobenzene	99.400	97.600	UGL	1.8	(0-20)
LCS1	cis-1,3-Dichloropropene	20	21.5	UGL	107.5	(68-123)
LCS2	cis-1,3-Dichloropropene	20	21.5	UGL	107.5	(68-123)
MBLK	cis-1,3-Dichloropropene	ND	<0.5	UGL		
MS	cis-1,3-Dichloropropene	10	8.98	UGL	89.8	(65-120)
MSD	cis-1,3-Dichloropropene	10	9.31	UGL	93.1	(65-120)
RPD_LCS	cis-1,3-Dichloropropene	107.500	107.500	UGL	0.0	(0-20)
RPD_MS	cis-1,3-Dichloropropene	89.800	93.100	UGL	3.6	(0-20)
LCS1	Bromoform	20	23.2	UGL	116.0	(54-134)
LCS2	Bromoform	20	22.9	UGL	114.5	(54-134)
MBLK	Bromoform	ND	<0.5	UGL		
MS	Bromoform	10	7.86	UGL	78.6	(51-140)
MSD	Bromoform	10	7.67	UGL	76.7	(51-140)
RPD_LCS	Bromoform	116.000	114.500	UGL	1.3	(0-20)
RPD_MS	Bromoform	78.600	76.700	UGL	2.4	(0-20)
LCS1	Chloroform (Trichloromethane)	20	20.6	UGL	103.0	(78-117)
LCS2	Chloroform (Trichloromethane)	20	20.7	UGL	103.5	(78-117)
MBLK	Chloroform (Trichloromethane)	ND	<0.5	UGL		
MS	Chloroform (Trichloromethane)	10	9.99	UGL	99.9	(76-133)
MSD	Chloroform (Trichloromethane)	10	9.86	UGL	98.6	(76-133)

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RPD_LCS	Chloroform (Trichloromethane)	103.000	103.500	UGL	0.5	(0-20)
RPD_MS	Chloroform (Trichloromethane)	99.900	98.600	UGL	1.3	(0-20)
LCS1	Chloroethane	20	21.5	UGL	107.5	(70-133)
LCS2	Chloroethane	20	21.1	UGL	105.5	(70-133)
MBLK	Chloroethane	ND	<0.5	UGL		
MS	Chloroethane	10	11.1	UGL	111.0	(45-180)
MSD	Chloroethane	10	10.9	UGL	109.0	(45-180)
RPD_LCS	Chloroethane	107.500	105.500	UGL	1.9	(0-20)
RPD_MS	Chloroethane	111.000	109.000	UGL	1.8	(0-20)
LCS1	Carbon Tetrachloride	20	22.4	UGL	112.0	(73-127)
LCS2	Carbon Tetrachloride	20	22.0	UGL	110.0	(73-127)
MBLK	Carbon Tetrachloride	ND	<0.5	UGL		
MS	Carbon Tetrachloride	10	10.4	UGL	104.0	(71-151)
MSD	Carbon Tetrachloride	10	10.5	UGL	105.0	(71-151)
RPD_LCS	Carbon Tetrachloride	112.000	110.000	UGL	1.8	(0-20)
RPD_MS	Carbon Tetrachloride	104.000	105.000	UGL	1.0	(0-20)
LCS1	Dibromochloromethane	20	22.1	UGL	110.5	(70-125)
LCS2	Dibromochloromethane	20	22.3	UGL	111.5	(70-125)
MBLK	Dibromochloromethane	ND	<0.5	UGL		
MS	Dibromochloromethane	10	8.79	UGL	87.9	(68-136)
MSD	Dibromochloromethane	10	9.08	UGL	90.8	(68-136)
RPD_LCS	Dibromochloromethane	110.500	111.500	UGL	0.9	(0-20)
RPD_MS	Dibromochloromethane	87.900	90.800	UGL	3.2	(0-20)
LCS1	Dichlorobromomethane	20	21.3	UGL	106.5	(77-113)
LCS2	Dichlorobromomethane	20	21.3	UGL	106.5	(77-113)
MBLK	Dichlorobromomethane	ND	<0.5	UGL		
MS	Dichlorobromomethane	10	9.55	UGL	95.5	(77-130)
MSD	Dichlorobromomethane	10	9.68	UGL	96.8	(77-130)
RPD_LCS	Dichlorobromomethane	106.500	106.500	UGL	0.0	(0-20)
RPD_MS	Dichlorobromomethane	95.500	96.800	UGL	1.4	(0-20)
LCS1	Ethyl benzene	20	21.5	UGL	107.5	(79-122)
LCS2	Ethyl benzene	20	21.5	UGL	107.5	(79-122)
MBLK	Ethyl benzene	ND	<0.5	UGL		
MS	Ethyl benzene	10	10.4	UGL	104.0	(68-146)
MSD	Ethyl benzene	10	10.2	UGL	102.0	(68-146)
RPD_LCS	Ethyl benzene	107.500	107.500	UGL	0.0	(0-20)

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RPD_MS	Ethyl benzene	104.000	102.000	UGL	1.9	(0-20)
LCS1	Freon 113	20	22.4	UGL	112.0	(46-165)
LCS2	Freon 113	20	22.4	UGL	112.0	(46-165)
MBLK	Freon 113	ND	<2.0	UGL		
MS	Freon 113	10	13.0	UGL	130.0	(70-130)
MSD	Freon 113	10	12.1	UGL	121.0	(70-130)
RPD_LCS	Freon 113	112.000	112.000	UGL	0.0	(0-20)
RPD_MS	Freon 113	130.000	121.000	UGL	7.2	(0-20)
LCS1	Dichlorodifluoromethane	20	24.0	UGL	120.0	(46-165)
LCS2	Dichlorodifluoromethane	20	23.1	UGL	115.5	(46-165)
MBLK	Dichlorodifluoromethane	ND	<0.5	UGL		
MS	Dichlorodifluoromethane	10	12.7	UGL	127.0	(30-169)
MSD	Dichlorodifluoromethane	10	12.2	UGL	122.0	(30-169)
RPD_LCS	Dichlorodifluoromethane	120.000	115.500	UGL	3.8	(0-20)
RPD_MS	Dichlorodifluoromethane	127.000	122.000	UGL	4.0	(0-20)
LCS1	Methyl Bromide	20	20.0	UGL	100.0	(67-144)
LCS2	Methyl Bromide	20	19.8	UGL	99.0	(67-144)
MBLK	Methyl Bromide	ND	<0.5	UGL		
MS	Methyl Bromide	10	10.3	UGL	103.0	(55-147)
MSD	Methyl Bromide	10	9.91	UGL	99.1	(55-147)
RPD_LCS	Methyl Bromide	100.000	99.000	UGL	1.0	(0-20)
RPD_MS	Methyl Bromide	103.000	99.100	UGL	3.9	(0-20)
LCS1	Methyl Chloride	20	19.9	UGL	99.5	(78-134)
LCS2	Methyl Chloride	20	19.3	UGL	96.5	(78-134)
MBLK	Methyl Chloride	ND	<0.2	UGL		
MS	Methyl Chloride	10	11.1	UGL	111.0	(58-143)
MSD	Methyl Chloride	10	10.5	UGL	105.0	(58-143)
RPD_LCS	Methyl Chloride	99.500	96.500	UGL	3.1	(0-20)
RPD_MS	Methyl Chloride	111.000	105.000	UGL	5.6	(0-20)
LCS1	Methylene Chloride	20	21.4	UGL	107.0	(77-121)
LCS2	Methylene Chloride	20	21.4	UGL	107.0	(77-121)
MBLK	Methylene Chloride	ND	<2.0	UGL		
MS	Methylene Chloride	10	10.3	UGL	103.0	(75-132)
MSD	Methylene Chloride	10	10.0	UGL	100.0	(75-132)
RPD_LCS	Methylene Chloride	107.000	107.000	UGL	0.0	(0-20)
RPD_MS	Methylene Chloride	103.000	100.000	UGL	3.0	(0-20)

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Laboratory
QC Report
#260163

City of Phoenix
(continued)

LCS1	1,1,2,2-Tetrachloroethane	20	18.2	UGL	91.0	(77-126)
LCS2	1,1,2,2-Tetrachloroethane	20	18.4	UGL	92.0	(77-126)
MBLK	1,1,2,2-Tetrachloroethane	ND	<0.5	UGL		
MS	1,1,2,2-Tetrachloroethane	10	9.40	UGL	94.0	(79-130)
MSD	1,1,2,2-Tetrachloroethane	10	9.41	UGL	94.1	(79-130)
RPD_LCS	1,1,2,2-Tetrachloroethane	91.000	92.000	UGL	1.1	(0-20)
RPD_MS	1,1,2,2-Tetrachloroethane	94.000	94.100	UGL	0.1	(0-20)
LCS1	Tetrachloroethylene (PCE)	20	21.2	UGL	106.0	(79-122)
LCS2	Tetrachloroethylene (PCE)	20	20.8	UGL	104.0	(79-122)
MBLK	Tetrachloroethylene (PCE)	ND	<0.2	UGL		
MS	Tetrachloroethylene (PCE)	10	10.2	UGL	102.0	(72-146)
MSD	Tetrachloroethylene (PCE)	10	9.84	UGL	98.4	(72-146)
RPD_LCS	Tetrachloroethylene (PCE)	106.000	104.000	UGL	1.9	(0-20)
RPD_MS	Tetrachloroethylene (PCE)	102.000	98.400	UGL	3.6	(0-20)
LCS1	trans-1,2-Dichloroethene	20	21.4	UGL	107.0	(82-122)
LCS2	trans-1,2-Dichloroethene	20	20.9	UGL	104.5	(82-122)
MBLK	trans-1,2-Dichloroethene	ND	<0.5	UGL		
MS	trans-1,2-Dichloroethene	10	10.4	UGL	104.0	(74-138)
MSD	trans-1,2-Dichloroethene	10	10.1	UGL	101.0	(74-138)
RPD_LCS	trans-1,2-Dichloroethene	107.000	104.500	UGL	2.4	(0-20)
RPD_MS	trans-1,2-Dichloroethene	104.000	101.000	UGL	2.9	(0-20)
LCS1	1,1,1-Trichloroethane	20	22.2	UGL	111.0	(79-121)
LCS2	1,1,1-Trichloroethane	20	21.7	UGL	108.5	(79-121)
MBLK	1,1,1-Trichloroethane	ND	<0.5	UGL		
MS	1,1,1-Trichloroethane	10	10.9	UGL	109.0	(75-144)
MSD	1,1,1-Trichloroethane	10	10.5	UGL	105.0	(75-144)
RPD_LCS	1,1,1-Trichloroethane	111.000	108.500	UGL	2.3	(0-20)
RPD_MS	1,1,1-Trichloroethane	109.000	105.000	UGL	3.7	(0-20)
LCS1	Trichloroethylene (TCE)	20	22.5	UGL	112.5	(78-119)
LCS2	Trichloroethylene (TCE)	20	22.2	UGL	111.0	(78-119)
MBLK	Trichloroethylene (TCE)	ND	<0.5	UGL		
MS	Trichloroethylene (TCE)	10	10.2	UGL	102.0	(71-139)
MSD	Trichloroethylene (TCE)	10	10.1	UGL	101.0	(71-139)
RPD_LCS	Trichloroethylene (TCE)	112.500	111.000	UGL	1.3	(0-20)
RPD_MS	Trichloroethylene (TCE)	102.000	101.000	UGL	1.0	(0-20)
LCS1	Trichlorofluoromethane	20	23.2	UGL	116.0	(70-145)

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(continued)

LCS2	Trichlorofluoromethane	20	23.0	UGL	115.0	(70-145)
MBLK	Trichlorofluoromethane	ND	<0.5	UGL		
MS	Trichlorofluoromethane	10	12.4	UGL	124.0	(63-161)
MSD	Trichlorofluoromethane	10	11.8	UGL	118.0	(63-161)
RPD_LCS	Trichlorofluoromethane	116.000	115.000	UGL	0.9	(0-20)
RPD_MS	Trichlorofluoromethane	124.000	118.000	UGL	5.0	(0-20)
LCS1	trans-1,3-Dichloropropene	20	22.5	UGL	112.5	(64-126)
LCS2	trans-1,3-Dichloropropene	20	22.4	UGL	112.0	(64-126)
MBLK	trans-1,3-Dichloropropene	ND	<0.5	UGL		
MS	trans-1,3-Dichloropropene	10	9.03	UGL	90.3	(61-127)
MSD	trans-1,3-Dichloropropene	10	9.58	UGL	95.8	(61-127)
RPD_LCS	trans-1,3-Dichloropropene	112.500	112.000	UGL	0.4	(0-20)
RPD_MS	trans-1,3-Dichloropropene	90.300	95.800	UGL	5.9	(0-20)
LCS1	Toluene	20	20.9	UGL	104.5	(80-118)
LCS2	Toluene	20	20.7	UGL	103.5	(80-118)
MBLK	Toluene	ND	<0.5	UGL		
MS	Toluene	10	9.98	UGL	99.8	(66-143)
MSD	Toluene	10	9.84	UGL	98.4	(66-143)
RPD_LCS	Toluene	104.500	103.500	UGL	1.0	(0-20)
RPD_MS	Toluene	99.800	98.400	UGL	1.4	(0-20)
LCS1	Vinyl Chloride (VC)	20	21.7	UGL	108.5	(66-140)
LCS2	Vinyl Chloride (VC)	20	21.2	UGL	106.0	(66-140)
MBLK	Vinyl Chloride (VC)	ND	<0.5	UGL		
MS	Vinyl Chloride (VC)	10	11.6	UGL	116.0	(56-159)
MSD	Vinyl Chloride (VC)	10	11.1	UGL	111.0	(56-159)
RPD_LCS	Vinyl Chloride (VC)	108.500	106.000	UGL	2.3	(0-20)
RPD_MS	Vinyl Chloride (VC)	116.000	111.000	UGL	4.4	(0-20)

QC Ref #464028

Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11250327	UGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	12060001	UGL		(0-0)	
LCS1	Arsenic, Total, ICAP/MS	20	17.7	UGL	88.5	(85-115)	
LCS2	Arsenic, Total, ICAP/MS	20	18.2	UGL	91.0	(85-115)	

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QC Report
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City of Phoenix
(continued)

MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL		
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	0.979	UGL	97.9	(50-150)
MS	Arsenic, Total, ICAP/MS	20	18.4	UGL	92.0	(70-130)
MS2	Arsenic, Total, ICAP/MS	20	20.1	UGL	100.5	(70-130)
MSD	Arsenic, Total, ICAP/MS	20	19.2	UGL	96.0	(70-130)
MSD2	Arsenic, Total, ICAP/MS	20	19.1	UGL	95.5	(70-130)
RPD_LCS	Arsenic, Total, ICAP/MS	88.500	91.000	UGL	2.8	(0-20)
RPD_MS	Arsenic, Total, ICAP/MS	92.000	96.000	UGL	4.3	(0-20)

QC Ref #464283 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12110156	MGL		(0-0)	
LCS1	Chloride	25	26.4	MGL	105.6	(90-110)	
LCS2	Chloride	25	26.2	MGL	104.8	(90-110)	
MBLK	Chloride	ND	<0.50	MGL			
MRL_CHK	Chloride	0.500	0.434	MGL	86.8	(50-150)	
MS	Chloride	12.5	14.3	MGL	114.4	(74-138)	
MSD	Chloride	12.5	14.4	MGL	115.2	(74-138)	
RPD_LCS	Chloride	105.600	104.800	MGL	0.8	(0-20)	
RPD_MS	Chloride	114.400	115.200	MGL	0.7	(0-20)	

QC Ref #464284 Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.2	MGL	104.4	(90-110)	
LCS2	Sulfate	50	51.9	MGL	103.8	(90-110)	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	0.25	0.291	MGL	116.4	(50-150)	
MS	Sulfate	25	28.1	MGL	112.4	(84-130)	
MSD	Sulfate	25	28.2	MGL	112.8	(84-130)	

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Laboratory
 QC Report
 #260163

City of Phoenix
 (continued)

QC Ref #464289

Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12020123	UGL		(0-0)	
LCS1	Total Organic Halogen	5.0	5.19	UGL	103.8	(85-115)	
LCS2	Total Organic Halogen	200	193	UGL	96.5	(85-115)	
MS	Total Organic Halogen	100	93.2	UGL	93.2	(90-110)	
MSD	Total Organic Halogen	100	103	UGL	103.0	(90-110)	
MBLK	Total Organic Halogen	ND	<5.0	UGL			

QC Ref #464776

Gross Alpha and Beta Radiation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11250404	PCIL		(0-0)	
DUP	Alpha, Gross	4.03	ND	PCIL		(0-20)	
DUP	Alpha, Gross	ND	ND	PCIL		(0-20)	
LCS1	Alpha, Gross	33.2	35.0	PCIL	105.4	(80-120)	
LCS2	Alpha, Gross	33.2	31.0	PCIL	93.4	(80-120)	
MBLK	Alpha, Gross	ND	<3.0	PCIL			
MS	Alpha, Gross	33.2	34.8	PCIL	104.8	(70-130)	
RPD_LCS	Alpha, Gross	105.422	93.373	PCIL	12.1	(0-20)	
DUP	Beta, Gross	4.20	ND	PCIL		(0-20)	
DUP	Beta, Gross	ND	ND	PCIL		(0-20)	
LCS1	Beta, Gross	31.4	33.9	PCIL	108.0	(80-120)	
LCS2	Beta, Gross	31.4	37.0	PCIL	117.8	(80-120)	
MBLK	Beta, Gross	ND	<3.0	PCIL			
MS	Beta, Gross	31.4	23.8	PCIL	75.8	(70-130)	
RPD_LCS	Beta, Gross	107.962	117.834	PCIL	8.7	(0-20)	

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MWH
LABORATORIES

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CHAIN OF CUSTODY RECORD

MWH LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: 260163

SAMPLE TEMP RECEIVED AT:

Scottsdale 3.2 °C (Compliance 3 to 2°C)

RECEIVED FROM CLIENT: REFRIGERATED ON ICE

Monrovia 2 °C (Compliance 4 to 2°C)

CONDITION OF ICE: FROZEN PARTIALLY FROZEN THAWED

SAMPLES LOGGED IN BY: W

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

TO BE COMPLETED BY SAMPLER:

COMPANY, UTILITY OR PROJECT:

City of Phoenix

MWH LABS CLIENT CODE:

Phoenix-UF

SAMPLER PRINTED NAME AND SIGNATURE:

W. HARTMAN

SYSTEM #:

197E ARE UF

P.O.# / JOB # / PROJECT:

197E ARE UF

TAT requested: rush by adv notice only

STD: 1 week, 2 day, 1 day

STATION # OR LOCATION

197E ARE UF

MATRIX

↓

GRAB

✓

COMB

✓

✓

* MATRIX TYPES:

RSW = Raw Surface Water CFW = Chloraminated Finished Water

RGW = Raw Ground Water FW = Other Finished Water

CWW = Chlorinated Waste Water BW = Bottled Water

WW = Other Waste Water SW = Storm Water

SO = Soil

SL = Sludge

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

SIGNATURE

HILARY R. HARTMAN

JESSIE HARTMAN

Star Warehouse

COMPANY NAME

CITY OF PHOENIX

M-14

MWH

DATE

12-1-08

12-1-08

12-1-08

TIME

1305

1305

1800



AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (480) 921-8044 • FAX: (480) 921-0049

Lic. No. AZ0003

LABORATORY REPORT

Client: MWH Laboratories
Southwest Service Center
15953 N. Greenway Hayden Loop #C
Scottsdale, AZ 85260

Date Submitted: 12/02/08

Date Reported: 12/18/08

Attn: Thomas French

Project: 260163 / BU#20176

RESULTS

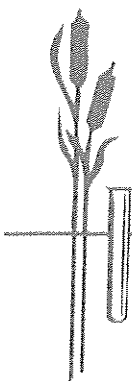
Client ID: 2812010123
ACT Lab No.: BQ18464

Sample Type: Drinking Water
Sample Time: 12/01/08 08:06

<u>Parameter</u>	<u>Analysis Date</u>		<u>Method No.</u>	<u>Result</u>	<u>Unit</u>
	<u>Start</u>	<u>End</u>			
Biochemical Oxygen Demand	12/03/08	12/08/08	SM5210 B	<2.	mg/L

Reviewed by: _____

Frederick A. Amalfi, Ph.D.
Laboratory Director



AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
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Tempe, Arizona 85281
Phone: (480) 921-8044 • FAX: (480) 921-0049

Lic. No. AZ0003

QC Report

QC Parameter	Sample Result	Method Blank Result	QCS % Rec	Duplicate Result	Duplicate RPD	Spike Result	Spike % Rec
Batch ID: BOD-42234	QC ID: BQ18464	Samples: BQ18464					
Biochemical Oxygen Demand	<2.		108.	<2.	0.0		



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Ship To **Mr. Chris Christian**
Aquatic Consulting & Testing, Inc.
1525 West University Suite 106
Tempe, AZ 85281

(480) 921-8044 Fax (480) 921-0049

MWH Project # Report Due: **Sub PO#**
260163 99-36027

Use MWH Lab # for ID

BQ-18464 2812010123 19L-408 Client Sample ID for reference only Analysis Requested Date & Time Matrix Container

Biological Oxygen Demand, tot. 12/01/08 0806 dw 1 1L poly / no pres SHORT HOLDING TIME!!!!- MUST PRESCHEDULE

Date 02/08 Submittal Form & Purchase Order 99-36027

*REPORTING REQUIREMENTS: Do Not Combine Report with any other samples submitted under different MWH project numbers!
 Report & invoice must have the MWH Project Number **260163** and Job # **1000047**

Report all quality control data according to Method. Include dates analyzed, date extracted (if extracted) and Method reference on the report.
 Results must have Complete data & QC with Approval Signature. See reverse side for List of Terms and Conditions

Reports: Elena Montanez / Christine Lewis Sub-contracting Administrator
 EMAIL TO: mwhlabs-subcontractreports@mwhglobal.com
 MWH Laboratories 750 Royal Oaks Dr. Ste. 100, Monrovia, CA 91016
 Phone (626) 386-1118 / 1137 Fax (626) 386-1122
 Invoices to: MWH LABORATORIES
 Accounts Payable PO BOX 6610, Broomfield, CO 80021

Provide in each Report
 the Specified State
 Certification # & Exp Date for
 requested tests + matrix

Arizona DW

rec'd @ 10

Relinquished by: [Signature] Sample Control Date 12/02/08 Time 010 MUST HAVE NOTIFICATION IF TEMP IS GREATER THAN 6 OR LESS THAN 2 CELSIUS
 Received by: [Signature] Date 12.2.8 Time 1040 An Acknowledgement of Receipt is requested to attn: Christine Lewis

-005