MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive
Suite 100
Monrovia, California 91016-3629
Tel: 626 568 6400
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1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

CH2M Hill - San Bernardino, CA
164 W. Hospitality Lane, Ste 2

San Bernardino , CA 92408

Attention: Tom Perina, PhD

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

DEB Debbie Frank
Project Manager

Report#: 123118
OMEGA

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 QC Report,QC Summary,Data Report,Hits Report, totaling 5 page[s].

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Laboratory Hits Report #123118

CH2M Hill - San Bernardino, CA
Tom Perina, PhD
164 W. Hospitality Lane, Ste 2
San Bernardino , CA 92408

Samples Received
03-mar-2004 17:52:37

Analyzed	Sample#	Sample ID	Result	UNITS	MRL
	2403030242	**OC2-MW4A-W-0-5**			
03/11/04	N-Nitroso	dimethylamine (NDMA)	3.3	ng/l	2.000
	2403030243	**OC2-MW4A-W-1-6**			
03/11/04	N-Nitroso	dimethylamine (NDMA)	3.9	ng/l	2.000
	2403030244	**OC2-MW4B-W-0-7**			
03/11/04	N-Nitroso	dimethylamine (NDMA)	5.9	ng/l	2.000
	2403030245	**OC2-MW4C-W-0-8**			
	2403030246	**OC2-MW5A-W-0-9**			
03/11/04	N-Nitroso	dimethylamine (NDMA)	10.2	ng/l	2.000
	2403030247	**OC2-MW6A-W-0-10**			
	2403030248	**OC2-MW6A-W-1-11**			

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory Data Report #123118

CH2M Hill - San Bernardino, CA
Tom Perina, PhD
164 W. Hospitality Lane, Ste 2
San Bernardino , CA 92408

Samples Received
03/03/04

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
OC2-MW4A-W-0-5 (2403030242) Sampled on 03/03/04 08:05								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	3.3	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	86	% Rec		
OC2-MW4A-W-1-6 (2403030243) Sampled on 03/03/04 08:25								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	3.9	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	98	% Rec		
OC2-MW4B-W-0-7 (2403030244) Sampled on 03/03/04 09:00								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	5.9	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	96	% Rec		
OC2-MW4C-W-0-8 (2403030245) Sampled on 03/03/04 09:30								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	ND	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	87	% Rec		

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CH2M Hill - San Bernardino, CA
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
OC2-MW5A-W-0-9 (2403030246) Sampled on 03/03/04 11:15								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	10.2	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	88	% Rec		
OC2-MW6A-W-0-10 (2403030247) Sampled on 03/03/04 12:40								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	ND	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	91	% Rec		
OC2-MW6A-W-1-11 (2403030248) Sampled on 03/03/04 12:45								
	03/11/04 11:00	**225186**	**(ML/EPA 410.4)**	**Chemical Oxygen Demand (COD)**	**ND**	**mg/l**	**5.0**	**1**
N-Nitroso dimethylamine (NDMA)								
03/09/04	03/11/04 00:00	225156	(MD/EPA 1625MOD)	N-Nitroso dimethylamine (NDMA)	ND	ng/l	2.0	1
			(Surrogate)	NDMA-D6(50-150)-Int Std	94	% Rec		

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Laboratory QC Summary #123118

CH2M Hill - San Bernardino, CA

QC Ref #225156 - N-Nitroso dimethylamine (NDMA)Analysis Date: 03/11/2004

2403030242	OC2-MW4A-W-0-5
2403030243	OC2-MW4A-W-1-6
2403030244	OC2-MW4B-W-0-7
2403030245	OC2-MW4C-W-0-8
2403030246	OC2-MW5A-W-0-9
2403030247	OC2-MW6A-W-0-10
2403030248	OC2-MW6A-W-1-11

QC Ref #225186 - Chemical Oxygen Demand (COD) Analysis Date: 03/11/2004

2403030242	OC2-MW4A-W-0-5
2403030243	OC2-MW4A-W-1-6
2403030244	OC2-MW4B-W-0-7
2403030245	OC2-MW4C-W-0-8
2403030246	OC2-MW5A-W-0-9
2403030247	OC2-MW6A-W-0-10
2403030248	OC2-MW6A-W-1-11

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Laboratory QC Report #123118

CH2M Hill - San Bernardino, CA

QC Ref #225156 N-Nitroso dimethylamine (NDMA)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 24	03090036	NONE		(0-0)	
LCS1	N-Nitroso dimethylamine (NDMA)	2	2.27	NGL	113.5	(70-130)	
LCS2	N-Nitroso dimethylamine (NDMA)	2	1.97	NGL	98.5	(70-130)	14
MBLK	N-Nitroso dimethylamine (NDMA)	ND	<2.0	NGL			
MS	N-Nitroso dimethylamine (NDMA)	10	9.14	NGL	91.4	(70-130)	
MSD	N-Nitroso dimethylamine (NDMA)	10	10.2	NGL	102.0	(70-130)	11
LCS1	NDMA-d6(Internal Standard)	100	86	%R	86.0	(50-150)	
LCS2	NDMA-d6(Internal Standard)	100	77	%R	77.0	(50-150)	11
MBLK	NDMA-d6(Internal Standard)	100	73	%R	73.0		
MS	NDMA-d6(Internal Standard)	100	68	%R	68.0	(50-150)	
MSD	NDMA-d6(Internal Standard)	100	73	%R	73.0	(50-150)	7.1

QC Ref #225186 Chemical Oxygen Demand (COD)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chemical Oxygen Demand (COD)	50	50.3	MGL	100.6	(90-110)	
LCS2	Chemical Oxygen Demand (COD)	50	50.8	MGL	101.6	(90-110)	0.99
MBLK	Chemical Oxygen Demand (COD)	ND	<5.0	MGL			

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.