



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

Subject: Analytical Testing Results - Project R04S63
SDG: 04176A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
PMD-2

To: Chris Lichens
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical OU2 June 2004 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

1,4-Dioxane



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Phone:(510) 412-2300 Fax:(510) 412-2302

Site Cleanup Section 4

Project: Omega Chemical OU2 June 2004 Sampling

75 Hawthorne Street
San Francisco CA, 94105

Project Number: R04S63
Project Manager: Chris Lichens

SDG: 04176A
Reported: 08/18/04 08:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC2-MW1A-W-0-45	0406051-01	Water	06/23/04 08:50	06/24/04 10:01
OC2-MW1A-W-1-46	0406051-02	Water	06/23/04 09:15	06/24/04 10:01
OC2-MW1B-W-0-47	0406051-03	Water	06/23/04 10:00	06/24/04 10:01
OC2-MW8A-W-0-49	0406051-04	Water	06/23/04 11:15	06/24/04 10:01
OC2-MW8C-W-0-51	0406051-05	Water	06/23/04 12:50	06/24/04 10:01
OC2-MW8D-W-0-52	0406051-06	Water	06/23/04 13:45	06/24/04 10:01
OC2-MW8B-W-0-50	0406051-07	Water	06/23/04 12:05	06/24/04 10:01
OC2-MW11A-W-5-53	0406052-01	Water	06/24/04 08:25	06/25/04 09:47
OC2-MW7A-W-0-54	0406052-02	Water	06/24/04 09:55	06/25/04 09:47
OC2-MW3A-W-0-55	0406052-03	Water	06/24/04 10:55	06/25/04 09:47
OC2-IDW-W-0-56	0406052-04	Water	06/24/04 11:45	06/25/04 09:47



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Semivolatile Organic Compounds by EPA Method 8270C
EPA Region 9 Laboratory

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0406051-01 : OC2-MW1A-W-0-45 Water Sampled: 06/23/04 08:50 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	0.6	C1, J	1.1	ug/L	B4F0143	06/29/04	07/02/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>4.56</i>		<i>87 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-02 : OC2-MW1A-W-1-46 Water Sampled: 06/23/04 09:15 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	0.5	C1, J	1.0	ug/L	B4F0143	06/29/04	07/08/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.21</i>		<i>62 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-03 : OC2-MW1B-W-0-47 Water Sampled: 06/23/04 10:00 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4F0143	06/29/04	07/02/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.51</i>		<i>73 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-04 : OC2-MW8A-W-0-49 Water Sampled: 06/23/04 11:15 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	2.2		1.0	ug/L	B4F0143	06/29/04	07/02/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.76</i>		<i>72 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-05 : OC2-MW8C-W-0-51 Water Sampled: 06/23/04 12:50 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4F0143	06/29/04	07/02/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.48</i>		<i>71 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-06 : OC2-MW8D-W-0-52 Water Sampled: 06/23/04 13:45 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4F0143	06/29/04	07/08/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>2.70</i>		<i>55 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>
0406051-07 : OC2-MW8B-W-0-50 Water Sampled: 06/23/04 12:05 Received: 06/24/04 10:01								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	ND	U	1.0	ug/L	B4F0143	06/29/04	07/08/04	8270C/SOP315
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>3.00</i>		<i>58 %</i>		<i>50-130</i>	<i>"</i>	<i>"</i>	<i>"</i>



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Site Cleanup Section 4	Project: Omega Chemical OU2 June 2004 Sampling
75 Hawthorne Street	Project Number: R04S63
San Francisco CA, 94105	Project Manager: Chris Lichens
	SDG: 04176A
	Reported: 08/18/04 08:54

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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0406052-01 : OC2-MW11A-W-5-53 Water Sampled: 06/24/04 08:25 Received: 06/25/04 09:47
 Semivolatle Organic Compounds by EPA Method 8270C
 1,4-Dioxane ND Q1, J, U 1.0 ug/L B4F0143 06/29/04 07/02/04 8270C/SOP315
Surrogate: 1,4-Dioxane-d8 3.16 61 % 50-130 " " "

0406052-02 : OC2-MW7A-W-0-54 Water Sampled: 06/24/04 09:55 Received: 06/25/04 09:47
 Semivolatle Organic Compounds by EPA Method 8270C
 1,4-Dioxane ND U 1.0 ug/L B4F0143 06/29/04 07/02/04 8270C/SOP315
Surrogate: 1,4-Dioxane-d8 3.56 71 % 50-130 " " "

0406052-03 : OC2-MW3A-W-0-55 Water Sampled: 06/24/04 10:55 Received: 06/25/04 09:47
 Semivolatle Organic Compounds by EPA Method 8270C
 1,4-Dioxane 1.0 1.0 ug/L B4F0143 06/29/04 07/02/04 8270C/SOP315
Surrogate: 1,4-Dioxane-d8 3.94 75 % 50-130 " " "

0406052-04RE1 : OC2-IDW-W-0-56 Water Sampled: 06/24/04 11:45 Received: 06/25/04 09:47
 Semivolatle Organic Compounds by EPA Method 8270C
 1,4-Dioxane 450 10 ug/L B4F0143 06/29/04 07/14/04 8270C/SOP315
Surrogate: 1,4-Dioxane-d8 6.22 120 % 50-130 " " "



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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
EPA Region 9 Laboratory

Batch B4F0143 - 3520B CLLE - 1,4-Dioxane

Blank (B4F0143-BLK1)		Prepared: 06/29/04 Analyzed: 07/02/04								
Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

1,4-Dioxane	ND	U	1.0	ug/L						
<i>Surrogate: 1,4-Dioxane-d8</i>	4.56			"	4.89		93	50-130		

LCS (B4F0143-BS1)		Prepared: 06/29/04 Analyzed: 07/02/04								
Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

1,4-Dioxane	11		1.0	ug/L	9.72		113	50-130		
<i>Surrogate: 1,4-Dioxane-d8</i>	3.72			"	4.86		77	50-130		

Matrix Spike (B4F0143-MS1)		Source: 0406052-01	Prepared: 06/29/04 Analyzed: 07/02/04							
Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

1,4-Dioxane	24		1.9	ug/L	19.5	ND	123	50-130		
<i>Surrogate: 1,4-Dioxane-d8</i>	6.78			"	9.75		70	50-130		

Matrix Spike Dup (B4F0143-MSD1)		Source: 0406052-01	Prepared: 06/29/04 Analyzed: 07/02/04							
Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

1,4-Dioxane	24		2.0	ug/L	19.7	ND	122	50-130	0	30
<i>Surrogate: 1,4-Dioxane-d8</i>	6.83			"	9.84		69	50-130		



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Qualifiers and Comments

Q1 The internal standard associated with this analyte did not meet area count criteria.
J The reported result for this analyte should be considered an estimated value.
C1 The reported concentration for this analyte is below the quantitation limit.
U Not Detected
NR Not Reported